



Visva-Bharati

Santiniketan-731235

INDIA

SELF-STUDY REPORT

PART-A Institutional Profile

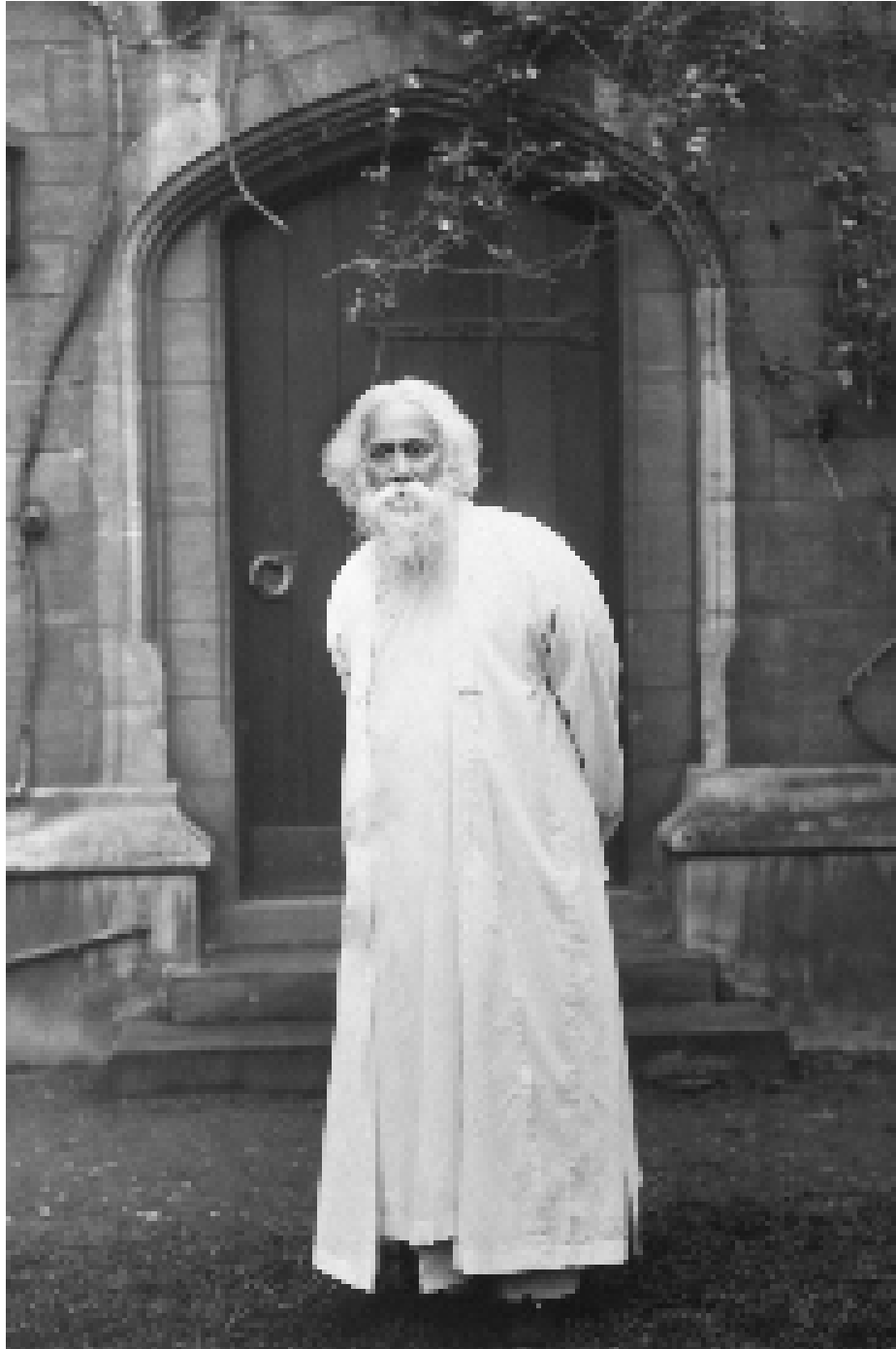
Submitted to
National Assessment and Accreditation Council
2014

॥ यत्र विश्वं भवत्येकनोदम् ॥

YATRA VISVAM BHAVATYEKANIDAM

[Where the world makes its home in a single nest]

Institutional Profile

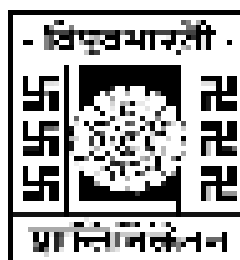


Rabindranath in front of a mansion

CONTENTS

| | Page |
|--|-------------|
| From the Desk of the Vice-Chancellor | – 08 |
| From Brahmacharyashrama to Visva-Bharati : A Chronicle of Metamorphosis of a Tiny School into an Internationally – Acclaimed centre of Learning | – 12 |
| Visva-Bharati at a Glance | – 16 |
| Profile of the Institution | – 52 |
| Visva-Bharati Act [for UGC 2f certificate and recognition of the university under (12B)] | – 65 |
| Statement of Compliance | – 66 |

Institutional Profile



Visva-Bharati represents India where she has her wealth of aims which is for all. Visva-Bharati acknowledges India's obligation to offer to others the hospitality of her best culture and India's right to accept from others their best.

Abinavendra Singh



Excerpts from a Tagore's poem with his own calligraphy.

Institutional Profile



Santiniketan Griha

(This is where the Brahmacharyashrama started in 1901, building was established in 1863)

FROM THE DESK OF THE VICE-CHANCELLOR

Visva-Bharati : Through My Eyes and Experience Sushanta Dattagupta



The purpose of this article is to present the *unique* aspects of the university called Visva-Bharati, founded by India's Nobel Laureate poet, writer and philosopher : Rabindranath Tagore. I begin from the name Visva-Bharati itself. Visva is the Sanskrit word for universe that connects to 'university' while Bharati has multiple meanings – Bharati is Saraswati, the goddess of learning but it also connotes to 'Bharat' – India. Hence, Visva-Bharati is an international university, located in India but where the '*world makes its home in a single nest*'. It is interesting to note that through Visva-Bharati is the sole brainchild of a single individual, Tagore's name is not associated with it (by his own volition) unlike say, Jawaharlal Nehru University (JNU), located in New Delhi. In fact, there are only a few universities in this world – Lubumba

University of Moscow and Humboldt University of Berlin excepted – that have individual's names attached to them. Therefore, there are deep reasons behind Tagore's christening the name of his university as Visva-Bharati. Each institute of Visva-Bharati and its associated academic program has emanated from Tagore's emancipated mind, far sighted concepts and creative thoughts, which are the subject-matter of the present discussion.

My experience of working in India – first in Presidency College, Kolkata during 1968-69, and then a slew of institutions : The Reactor Research Centre, Kalpakkam (1976-81). The Central University of Hyderabad (1981-86), JNU, New Delhi (1986-99), S.N. Bose National Centre for Basic Sciences (1999-2006), and the Indian Institute of Science Education & Research (2006-11) – following a gap of seven years of doctoral and post-doctoral stints in North America – has all been in science-related fields. With this background the arrival in Visva-Bharati in September of 2011 was an eye-opener. Tagore established an 'Ashram-Vidyalaya' in Santiniketan in 1901, for the following reasons, I felt : (1) there was a need to be away from the capital city of Kolkata and the concomitant colonial influence on education ;



Santiniketan in its early days

(2) the seasonal variety of Santiniketan had an abiding appeal to the Poet who viewed nature as a living laboratory; (3) the young Rabi had felt ‘caged’ during his not-too-long school experience, hence wanted to introduce a system of classes held under the trees wherein the children could be exposed to seasonal changes, photo-synthesis, basic entomology, ... not to mention music and dance; (4) and finally, the presence of ‘Bauls’ in Santiniketan and their aligning philosophy with Sufis had a great attraction for Tagore. It is from these motivating factors arose today’s Ananda and Santosh Pathshalas as well as Patha-Bhavana and Siksha-Satra. The present educational scenario of the world sees a lot of emphasis on primary and school education which provides the right platform for learning such subjects as mathematics and languages, and therefore, Tagore’s idea of organically bonding basic education with research under the unitary umbrella of the same university, was a unique concept indeed.

I now come to discuss the two schools of music and fine arts which got started in parallel, in 1919. Tagore had used these two creative attributes as the medium for his entire motto in life – philosophy, spirituality, history, geography, science, environment-studies, and so on. If we can unify Kala-Bhavana (in Santiniketan) with Silpa-Sadana (in adjoining Sriniketan) we can nucleate a modern institute of design which has no parallel in Indian universities. Tagore’s songs were an assimilation of Hindustani Classical Music and Western music, his dance forms had imbibed Manipuri, Kathakali and Candy styles, yielding something akin to a chemical reaction wherein the reacting agents lost their identity just as we cannot decipher the separate presence of sodium and chlorine in the common salt.

The next unique component of Visva-Bharati is the Sriniketan experiment of agriculture. Community teaching and ‘rural reconstruction’. When combined with our school of Education (Vinay Bhavana) and science programs of Botany, Zoology and Biotechnology, these Sriniketan activities can go a long way in making Visva-Bharati a model university. In addition, the various festivities of ‘Briksharopan’ (Tree-planting), ‘Halakarshan’ (Ploughing), ‘Basantotsav’ (Spring festival) provide a backdrop to Tagore’s concern for the environment which, in today’s context of climate issues, assumes a significant dimension for modern education.

Finally, we must mention the Poet’s deep moorings into Vedantic and Upanishadic thoughts and their juxtaposition with Buddhist philosophy. That

is why he had invited Cheena Bhavana, Nippon Bhavana, Indo-Tibetan studies and Buddhist studies in order to provide a forum of East-West harmony.

Before concluding, I want to return to the theme from where I started. My aim was to show how a large university can come into being by adding, brick by brick, the multidimensional ideas of a far-sighted, sensitive and creative genius. Unfortunately, today we seem to have substantially deviated from the great ideals of holistic education, by creating partitions amongst disciplines. Time has come to remind ourselves of the immortal lines from Gitanjali – the Nobel citation of Rabindranath Tagore, to imagine what a university should be like:

Where the mind is without fear and the head is held high;
Where knowledge is free;
Where the world has not been broken up into fragments by narrow domestic walls;
Where words come out from the depth of truth;
Where tireless striving stretches its arms towards perfection;
Where the clear stream of reason has not lost its way into the dreary desert sand of dead habit;
Where the mind is led forward by thee into ever-widening thought and action ---

From Brahmacharyashrama to Visva-Bharati: A Chronicle of Metamorphosis of a Tiny School into an Internationally- Acclaimed Centre of Learning.

Visva-Bharati which epitomizes culmination of Asia's first Nobel Laureate poet Rabindranath Tagore's dream of an institution, slated to deliver holistic education, as preached in the Upanishadas "sā vidyā yā vimuktāye" (that which emancipates is knowledge) had a very modest beginning. In 1863, Debendranath Tagore, the poet's father and a herbringer of nineteenth century Bengal Renaissance took the users right of 20 bighas of land at an yearly land rent of twenty rupees in the arid soil of the district of Birbhum and established the Santiniketan Ashrama. In 1888, he executed a Trust Deed for the management of the Ashrama and dedicated it for the purpose of meditation.

Thoroughly averse to the-then education system and its mode of teaching which he considered mechanical, soulless and uninspiring, Rabindranath established a school viz Santiniketan Brahmacharyashrama on 23rd December, 1901 with five students with the avowed objective of providing, as reported by the Visva-Bharati Bulletin of January, 1924:

“to a limited number of children an education which would not be divorced from life, where pupils would become members of a larger family and regard the affairs of the institution as their own, and where they would live and grow in an atmosphere of freedom, mutual trust and happiness.”

In conscious repudiation of the education system introduced by the British hegemony which harped on producing a group of stupefied clerks, bent on making British Raj unrivalled, Rabindranath introduced a new system of reading-learning where classes were held in open air, where man and nature enter into an immediate harmonious relationship. Twenty years later in a letter to Patrick Geddes, he emphasized:

“I merely started with this one simple idea that education should never be dissociated from life.”



Open air classes held in Santiniketan

The concept of holistic education which will nurture a ‘complete’ human was imbibed by Rabindranath from our ancient Indian Upaniṣadic texts which preached emancipation of soul from the bondage of mundane prosperity. His resource was limited, but his ideal was unswerving.

By 1917, the idea of an Indian cultural centre was gradually shaping up. The centre will be slated “for the coordinated study of the different cultures.” On 23rd December, 1918, the foundation stone of Visva-Bharati was laid by the poet-educator. In his short speech he explained the aims and objectives of the institution:

“The primary function of a university should be the constructive work of joining and imparting knowledge. Men should be brought together and full scope given to them not only for intellectual exploration, but of vital creation as well and the teaching should be the overflow of this spring of culture, spontaneous and inevitable.”

Visva-Bharati was registered on 16th May, 1922. Scholars from all over the universe started pouring in to make Visva-Bharati indeed a centre of global culture and learning.

The Brahmacharya school during 1924 and 1924 came to be called Visva-Bharati Purba Bibhaga and from 1925 it became Patha Bhavana of Visva-Bharati.

In 1921, the Department of Advanced Studies was established which was re-named as Vidya Bhavana in 1926.

From 1921 music and art were being taught at Kala Bhavana which finally branched off into two institutions i.e. Kala and Sangit Bhavana in 1933.



Painting classes in Kala-Bhavana

In his early years during his stay in Shilaidaha and Sahazadpur, Rabindranath could feel the agony and pain of village life, steeped in poverty and ignorance. To put an end to this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational education which will make the village people self-reliant. With this objective on 6th February, 1922 the Visva-Bharati Agricultural and Village Reconstruction Department was started at the Surul under the inspiring leadership of Leonard Elmhirst. After some time it came to be known as Sriniketan (the abode of prosperity). The idea enshrined in establishment of this institution was to bring back life in its completeness to the villages and make villagers self conscious about their propensities.

In 1924, was established another school “Siksha Satra” which was finally shifted to Sriniketan in 1927.

The Cheena-Bhavana was formally inaugurated as a research department by Gurudeva on 14 April 1937 with the lofty ideal of strengthening the age-old cultural ties between India and China. The untiring zeal and effort of Professor Tan Yun-Shan opened up a new vista of Sino-Indian Cultural Fellowship through the Visva-Bharati. In 1994, the establishment of the Nippon-Bhavana added another feather to promote advance studies in Japanese language and culture.

The foundation stone of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Pandit Banarasidas Chaturvedi bore fruit with the completion of the Hindi-Bhavana building on 31 January 1939.

In May, 1951 Visva-Bharati was accorded the status of central university and “an institution of national importance”.

Thus, what began simply as a school, after traversing a long way amidst plethora of constraints— financial, administrative or in whatever form they might be, has today expanded into a modern university with multifarious pursuits and disciplines with an emphasis which will always promote cultivation of excellence and the retention of an ever-alive experimental character. Santiniketan i.e. an abode of peace and Sriniketan i.e. an abode of grace— these two combined make Visva-Bharati a place of ethnical beauty, serenity and academic vibrancy.



Foundation Ceremony of Visva-Bharati in 1921

Visva-Bharati at a Glance

Amidst the flurry of Universities and institutes in the national and global scenario, what makes Visva-Bharati different from other Universities? Wherein lies its uniqueness? Is it simply because of its elevated status of a central University or of an University of national importance? No. Visva-Bharati is unique in the sense that it is not simply a degree-awarding institution, nor it simply aspires to produce shining techies. On the contrary, it conceptualizes the idea of holistic education which has its root embedded in nature and which imbibes its impetus from the ancient Indian concept of ‘Tapovana’ or hermitage—a place which epitomizes a symbiotic man-nature relationship which will also help in nurturing a ‘complete human.’ On the other hand, Visva-Bharati can claim uniqueness because of its conglomeration and synthesis of various facades of creativity, innate in a man. Visva-Bharati thus combines under its umbrella basic science and humanities in unison with fine arts and visual arts. In the words of our founder father Rabindranath: “As Music and Fine

Arts are among the highest means of national self expression... in the proposed centre of our culture, music and art must have prominent seats of honour.” It may be emphasized here that even today, students outside West Bengal and more fascinatingly from different parts of the globe assemble in Sangit Bhavana of Visva-Bharati to get their first lesson in aesthetics and Tagore song. Kala-Bhavana is also equally celebrated for its exclusively *Santiniketan* School of Art, as developed by Ramkinkar Beij, Abanindranath and Binodbihari Mukhopadhyay.

The two schools — Patha-Bhavana and Siksha Satra are embedded in the university structure where teaching is done outside under the trees, so that students can get their first lesson in nature studies like Photosynthesis, Seasonal Changes, Basic Ecology and Entomology and so on.

Another unrivalled feature of Visva-Bharati lies in Sriniketan in the form of ‘Institute of Rural Reconstruction’ (Palli Siksha Bhavana) which is dedicated to the task of upliftment of village community and making them self-sufficient since its inception in 1921. The concept of “Community College” which is bolstered by U.G.C. currently has its first starting point in various institutes viz. Palli Samgathana Vibhaga, Rural Extension Centre and others strewn throughout Sriniketan.

In a nutshell, Visva-Bharati thus provides its students an all-encompassing education that is rich in its cultural heritage, profoundly humanistic in its approach, adequately advanced in higher science, superbly aesthetic in fine arts and visual arts and profoundly universalistic in its attitude towards the global scenario which is manifest in its motto: “Yatra Visvam Bhvatyekanidam”— where the world meets in one nest.

We may quote here convocation address delivered by Sir Asutosh Mookerjee in Calcutta University on 16-02-1923: “No human institution is so permanent as a University. Dynasties may come and go, political parties may rise and fall, the influences of men may change, ... councils will come and go; Ministries will blossom and perish; parties will develop and disappear or change their nature and survive. But your University, may University will live on for ever...”

The Genesis of Visva-Bharati

Santiniketan Brahmacharyashrama : 1901

Kala-Sangit Bhavana : 1919

Visva-Bharati established : 1921

Sriniketan Project initiated : 1922

Palli Samgathana Vibhaga (Institute of Rural Reconstruction) : 1922

Palli Siksha Bhavana (Institute of Agriculture) : 1922

Siksha-Satra : 1924

Brahmacharyashrama re-named as Patha-Bhavana : 1925
 Vidya-Bhavana (Institute of Advanced Studies re-named) : 1925
 Siksha-Bhavana (Under Graduate level) : 1925
 Kala-Bhavana : 1933
 Sangit-Bhavana : 1933
 Vinaya-Bhavana : 1947
 Vidya-Bhavana (Emerged as Institute of Humanities and Social Sciences) : 1972
 Siksha-Bhavana (Emerged as Institute of Science) : 1972
 Bhasa-Bhavana (Institute of Languages, Literature and Culture) : 2009



Class going on in Patha-Bhavana

Patha-Bhavana

Patha-Bhavana, a culmination of “Brahmacharya Vidyalaya” as nurtured by Tagore, was considered as a radical departure from the-then prevalent system of colonial education and gradually became a place where teacher and learner discovered one another in a never-ceasing endeavour of self-discovery and a search for truth. Certain things have changed since Tagore’s times, but priorities and objectives have not. Today with a student strength of just a little over eleven hundred (including one hundred three young learners of the Kindergarten section) in a milieu of terrible competition in the world around, in spite of our several other misgivings, Patha-Bhavana seems to make a difference.

In the last four years Patha-Bhavana has organized workshops and seminars to explore different areas of education; cultural programmes and dance dramas have been staged by the students in different parts of the country. In addition to regular activities, computer training has been introduced with visitors from different parts of the world.

On the whole, Patha-Bhavana has tried to remain resolute in its mission to ensure joy in learning, the learner's right to freedom, and a creative exuberance of self-expression– 'ananda' and 'prakash'– as suggested by the founder.

Siksha-Satra

Established in 1924, Siksha-Satra was primarily designed as a school for rural children to train them in vocational education, sensitivity to the environment and agriculture and to be in close proximity with the community. Many celebrated individuals including Leonard K. Elmhirst, Dr. Preamchand Lal, Santoshchandra Mazumder and other were associated with the school. Siksha-Satra has changed over the years and at present this non-residential school has 783 students from the primary section (Santosh Patshala) to the higher secondary level. Students follow the holistic pattern of education including music, sculpture, gardening and various vocational activities. One of the major achievements of the students of Siksha-Satra was their trip to Srilanka to perform *Chandalika* and *Rituranga*.

Education starts in Visva-Bharati from these two schools and they are an integral part of University setup.

Apart from these two schools Visva-Bharati has nine Bhavanas or Institutes.

Bhasa-Bhavana

Bhasa-Bhavna (the Institute of Languages, Literature & Culture) has ten major language departments, three centres and three subsidiary language units functioning under its aegis. It offers regular programmes of study at the Undergraduate, Postgraduate, M.Phil and Ph.D levels. Bhasa-Bhavana also offers two year certificate, one year diploma and one year advanced diploma programmes in 17 languages. One year casual courses in certain departments are also offered to foreign students. The Centre for Comparative Literature and Centre for Linguistics have been introduced in the current academic session i.e. 2013-14.

Two constituent departments of Bhasa-Bhavana: Cheena-Bhavana (the Department of Chinese Literature and Culture) and Hindi-Bhavana (the Department of Hindi) house prestigious sectional libraries, each containing around 45,000 and 35,000 books respectively. Visiting Professors and scholars from all over the world visit Bhasa-Bhavana where exchange of ideas and significant contributions open up new vistas of study and research. There is a student exchange programme with Yunan University of the People's Republic of China which is open to all students of the University. Cheena-Bhavana plays a significant role in the exchange programme.

The Departments under Bhasa-Bhavana have become a melting pot of cultures where the best of the East and West can interact together, as envisaged by Gurudeva Rabindranath Tagore.

The conglomeration of foreign and Indian languages under one umbrella in Bhasa-Bhavana is indeed a culmination of Tagore's dream "where the world meets in one nest."

The Departments of the Bhavana organise national seminars and conferences. The Department of Chinese Language and Culture and the Department of Indo-Tibetan Studies organise international seminars and conferences.

Vidya-Bhavana

Vidya-Bhavana (Institute of Humanities & Social Sciences) is the oldest and largest unit of the University consisting of seven full-fledged departments which offer Undergraduate, Postgraduate, M.Phil and Ph.D courses. The recent academic activities of the departments are given below in brief:

Department of Geography

The Department of Geography was established in 1968. Since inception, it is pursuing teaching and research programme. Keeping in mind the present developmental trends in Geography, the Department in recent years has paid attention particularly to the thrust areas like resources management, landscape ecology, population and settlement, infrastructure development, urban and regional

planning and rural development etc.

Centre for Journalism and Mass Communication

The Centre for Journalism and Mass Communication (CJMC) came into being on April 29, 2000, with a PG Diploma Course in Journalism and Mass Communication, testifying to the vision of Tagore - the greatest communicator of this world. 2003-04 was a landmark year for the Centre as a full-fledged two-year M.A. Course was introduced.

Department of History

The Department of History came into existence in the year 1962. It offers courses at various levels to the students, and is conducting common courses with the department of Ancient History and Culture, Visva-Bharati. At present, work on UGC-Special Assistance Programme (2nd Phase) is progressing in the thrust area: 'Economic and Social History of India, 1200- 1950'.

Department of Philosophy and Comparative Religion

The Department of Philosophy and Comparative Religion in collaboration with Korean Artists for India, South Korea, organized the 5th International Conference of Korean and Indian Writers and Artists on 'Mythology, Mysticism, Literal Arts of Suffering and Redemption' on July 19, 2012. Several Endowment Lectures and national seminars were organized by the Department.

Department of Economics & Politics

The Department was involved in teaching and research activities during the academic session 2012-13. The faculty and researchers of the Department have undertaken projects, sponsored by several funding agencies. They have published books and papers in national and international peer-reviewed professional journals and participated in various conferences and seminars.

Department of Ancient Indian History, Culture and Archaeology

The Department, combining teaching and research on indological and archaeological studies, has expanded its academic programme towards achieving a holistic approach to cultural and civilizational history of India.

Department of Anthropology

The Department of Anthropology settled within the fold of Vidya-Bhavana during the academic session 2012-13. In the past, the Department enriched itself by cultivating high-level interactions with the academic components like Silpa-Sadana, Social Work and Rural Extension Centre of Palli-Samgathana-Vibhaga (PSV). At present, the Department is actively engaged in research on contemporary topics.

Shiksha-Bhavana

Siksha-Bhavana comprises eleven constituents: nine departments (Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Science, Environmental Studies and Biotechnology) and two Centres (Mathematics Education and Integrated Science Education & Research Centre) where both teaching and research programmes are conducted leading to award of B.Sc. (Hons.), M.Sc., Integrated M.Sc. and Ph.D. degrees. All the Departments and Centres are doing commendable work with motivation for excellence in developing new courses and in initiating novel fields of research. Five departments- Physics, Chemistry, Mathematics, Zoology, Botany and Biotechnology have received the recognition from the DST, GoI in the form of FIST grants. The Departments of Mathematics, Chemistry and Botany have been awarded Special Assistance Programme (DRS-SAP) from UGC. The Department of Zoology has been awarded Centre for Advanced Study status by UGC. The M.Sc. programme of the Centre for Biotechnology is supported by the Department of Biotechnology, GoI.

The performance of the students of the Bhavana in the National level tests like, GATE and NET has been very encouraging. A large number of students have qualified in UGC-CSIR NET and GATE and NET examinations. Faculty members in the various departments under Siksha-Bhavana are carrying out intensive research work in various fields of science.

Department of Physics

The Department of Physics has been playing an active role in the curricular development at both the PG and UG levels. Presently, six special papers are offered at the PG level. In the last academic year, twenty five post graduate students qualified in the national level UGC/CSIR NET, GATE and JEST examinations. Faculty members are involved in research activities in various branches of Physics.

Department of Statistics

Since inception, apart from its regular B.Sc. and M.Sc. courses, this Department renders service in interdisciplinary research activity. This year the Department has organized a one day Awareness Programme on Official Statistical System in India conducted by Field Operation Division (North Zone, West Bengal), National Sample Survey Office for the first time.

Department of Mathematics

The Department is pursuing its academic programme through undergraduate and postgraduate teaching, extensive research work and organization of seminar with UGC's Special Assistance (SAP-DRS Phase-II), It has already developed the computational facilities for both the students and teachers with DST's financial support through FIST programme, University Development Grant and equipped the seminar library with DAE's library grant through NBHM. In the last academic year, fifteen post graduate students qualified in the national level UGC/CSIR NET and GATE examination; eighty three research papers were published in different national and international journals of repute by faculty members and their research students; six students were awarded Ph.D. degree; six students submitted their thesis works for examination; thirty five students are pursuing their Ph.D. programme under different faculty members and a number of students were absorbed in academic programmes in different academic organizations for furtherance of their academic career.

Department of Computer & System Science

The Department offers undergraduate and postgraduate programmes and Ph.D. in

various areas in the subject. The former students of the Department are presently reaching the National and International academic indicators and are well-spread round the country and abroad.

Department of Botany

The Department is running undergraduate as well as postgraduate courses. Besides teaching, active research is going on in different advanced branches of plant science. Two faculties have been awarded UGC Raman fellowship. Two students of this Department have been awarded DAAD fellowship. A number of students have qualified NET and GATE this year who are now engaged in research in various universities and research institutes.

Department of Biotechnology

The Department offers M.Sc. in Biotechnology programme, supported by the Department of Biotechnology, Government of India. Faculty members are actively working on various biotechnology related projects supported by DBT, DST, UGC, CSIR and MOEF, and also under an International collaboration with University of Rome “Tor Vergata”, Italy. The priority areas of research work of the Department are: bioprospecting of cyanobacteria and seaweeds, biodiversity and functional genomics of stress tolerant cyanobacteria, bioactive compounds from plants, cloning and characterization of carbohydrate splitting enzymes, ageing mediated damage to cellular macromolecules and their modulation, host-pathogen interaction in plants, structure and function of plant resistance genes, drought and submergence stress in rice and leishmaniasis. Currently eleven externally funded projects are executed in the department with 19 research scholars. Every year more than 50% of the students have qualified national level tests like UGC-CSIR NET, GATE, ICMR and DBJ JRF etc.

Department of Zoology

The Department has been recognized by the UGC, Govt. of India as Centre of Advanced Study since April 2007. After having successfully accomplished 1st CAS, the 2nd CAS has been initiated since April 01, 2012. The Department has applied for

DST-FIST Level II, It is one of the members of the research network program of ICAR to resolve the problem of diminished Hilsa migration through Indian coast. The Department collaborates with Sri Ramachandra University, Chennai and M/s East India Pharmaceutical Works Ltd., Kolkata in a DST funded project on product development for management of diabetes. A CSIR research program, 'North-East Exploration for Pharmaceutical' has been initiated by the Department. The Department has organized Science Academics' Lecture Workshop in November, 2012,

and International Symposium on Molecular Signalling in Feb 2013. The Department has 74 publications in reputed peer-reviewed national and international journals and has applied for one International Patent.

Department of Chemistry

The department is engaged in undergraduate and postgraduate teaching programmes. It is a DST-FIST sponsored Department. Along with the teaching programme, the Department is highly engaged in theoretical and experimental research. The Department organized different national/international seminars under UGC's Special Assistance (SAP-DRS phase II). In the last academic year, 31 students have qualified in national level test (UGC/CSIR NET and GATE), 97 research articles have been published in national/international journals of high repute, 10 Ph.D. students have been awarded their degrees, 6 Ph.D. thesis have been submitted and presently 60 Ph.D. students are carrying out their research work.

Department of Environmental Studies

The Department of Environmental Studies thrives to fulfil Tagore's dreams of setting up harmony with nature and the local community. This Department is spreading the message to the student community and society as a whole to create new patterns of behaviour towards the environment. It is providing the opportunities to acquire knowledge, values, skills, attitude and commitment to protect and improve the environment in the following ways:

- Promoting the study of environment at all levels' in the form of formal and informal education through appropriate teaching / awareness programmes;

- Undertaking research projects and in depth studies on relevant issues of the environment in a multidisciplinary manner; Promoting and maintaining a liaison between various academic disciplines and institutions;
- Recommending the government and its agencies regarding the environmental issues of public interest;
- Collaborating with international organizations in the fields of research;
- Conducting conferences, seminars, workshops and arranging lectures and demonstrations on various aspects of the environment.

The Centre for Mathematics Education:

The Ph.D. Programme, backed by regular publications in the journals on mathematics education, is conducted. Seminars, Lecture Series and Extension Programmes are organized regularly.

The Integrated Science Education & Research Centre:

This Centre is conducting 5 years Integrated M.Sc. programme. Students are carrying out summer projects at various national universities and research institutes. Faculty members are involved in academic and research activities. A total of 7 research articles have been published in the year 2013 by the faculty of this Centre. INSPIRE Internship Winter Camp 2012 with Class XI students of various schools of the adjacent districts was organized in the Centre.

Vinaya-Bhavana

The genesis of the Department of Education, Vinaya Bhavana dates back to 1948 as a craft oriented teacher-training institution. Right from its inception, it has been mandated to make a Praxis of Education by bridging the gap between theory and practice orientation and training of teachers, initially of craft and afterwards of secondary and level teachers, have been its prime concern. With the passage of time and in keeping pace with the contemporary demands, the Department has relentlessly worked and added feathers to its cap by adding Professional Courses like B.Ed. and M.Ed. Subsequently the Department widened its scope by way of adding M.A. (Education) Programme as a liberal stream alongside professional education.

The Department of Education becomes a confluence of seventeen subjects and having representative students from all over India and other countries. Five Craft subjects i.e. Artistic Handicrafts, Weaving, Woodwork, Horticulture and Music as compulsory Work Education subjects for all its teacher trainees manifest the true spirit of Rabindranath Tagore, Rathindranath Tagore and Mahatma Gandhi together.

Celebration in the Department:

Apart from participating in all kinds of celebration and festivals of Visva-Bharati, the Department of Education stands out in its unique way of organising the following functions

- a) Vaitalik
- b) Rakshabandhan
- c) Teachers' Day
- d) National Education Day
- e) Annual Exhibition
- f) Weekly Cultural Programme

Besides the above, the Department participates in events like Independence Day, Republic Day, Sardostava Drama, Ananda Bazar, Gandhi Punnyah, Pousa Utsava, Briksha Ropan etc.

Students and Teachers of the Department organise and conduct the 'Upasana' at Upasana Mandir with full dedication.

National Events

- g. National Seminar: The Department organises various kinds of National and State Level Seminars and Workshops regularly, the most recent being "The Legacy of Radhakrishnan: Representing India in the New Global Order on 5th-6th September, 2013"

Future Plans

The Department is all set to scale new heights by way of its meticulous planning for

the future on the basis of a Vision Document-2020 duly discussed and developed by its faculty. Following are some of the programmes/activities proposed for future development of the Department:

- Revival of Extension Wing with new vigour and round the Year Activities
- Publication of the Departmental Journal, both in print and electronic form
- Revival of the M.Ed. Course etc.

The Department of Physical Education:

The Department of Physical Education, a constituent part of Vinaya- Bhavana serves in three-fold dimensions - Teaching, Research and Extension services. The primary objective of the Department is to produce Honours graduates in Physical Education, teaching professionals with Postgraduate degrees and Doctoral researchers with a holistic understanding of physical, mental, social and spiritual benefits of human movement.

Teaching: The Department of Physical Education offers Undergraduate B.A./B.Sc.(Honours) courses, Teacher Education B.P.Ed. and Postgraduate M.P.Ed. courses and Ph.D. course in Physical Education. 8 faculty members and 214 students of different courses were involved in teaching-learning processes during the year.

Research: 31 students

40 research projects including two UGC minor projects are running in the department. Faculty participated in 10 International National level Seminar/Conference/Workshops in different capacities. The faculty and scholars published a total number of 44 scientific papers in the International and National Journals.

Extension services:

The Faculty members

- i. Served as members of the National & International professional

organizations/bodies; Research Board, Board of Studies, Editorial Board, Board of Examiners etc. in various Indian universities.

- ii. Organized workshop/camp to develop awareness of bone health and fitness of the elderly women of greater Santiniketan on 27.04.2013.
- iii. Organized Leadership Training camp for the Departmental students during 22-27 February, 2013 at Satkahaniya remote set up.
- iv. Co-ordinated NCC and NSS programmes of the Bhavana.

The Students activities were:

- v. Mass participation through selection in the Intra-University and Inter-University Sports Meets and Tournaments.
- vi. Participation in different tournaments organized by the Sports Board at home and away.
- vii. Mass participation in ceremonial parades and programmes.

Awards & Honours: The students of the department of Physical Education had the following achievements during the year:

- i. Visva-Bharati Women's Basketball team comprising of 75% of Departmental students including the Captain, qualified for the All India Inter-University Basketball Tournament, 2013.
- ii. Vinaya-Bhavana teams, solely comprising of students from the Department of Physical Education, have become Champions in the Inter-Bhavana Athletic Meet (Indiv. & group) and Basketball, Badminton (M & W), Cricket, Football & Table Tennis (M & W) tournaments of Visva-Bharati,
- iii. Individual Championship in the West Bengal Inter Physical Education Institutions (WBCIPE) Athletic Meet, 2013 has been won by a M.P.Ed. student of Visva-Bharati.

Future Plan: The Department of Physical Education aspires to be a Centre of Excellence in Physical Education in India. It intends to

- i. develop its 'Exercise and Sports Science' laboratories and academic honing through inter-disciplinary research.
- ii. produce best teaching professionals and Physical Education graduates in the country.
- iii. render professional services to the community by developing physical fitness of youngsters, adults and elderly citizens and providing them with ample opportunities and guidance.
- iv. produce high level sports persons through scientific sports training.

Palli Siksha Bhavana

Palli Siksha Bhavana has completed 50 years (1963-2013) this year. On this glorious occasion the institute celebrated this year as the “Golden Jubilee Year”. The Bhavana organised a national seminar on “Advances in Agricultural Research towards Food Security and Environmental Sustenance” in a befitting manner. A yearlong programme was drawn up and celebrated.

The Bhavana comprises of four academic departments. the departments are composite in nature viz. Department of ASEPAN (Agronomy, Soil Science & Agril. Chemistry, Agril. Engineering, Plant Physiology and Animal Science), Department of CIHAB (Crop Improvement, Horticulture and Agricultural Botany), Department of EES (Agricultural Extension, Agricultural Economics and Agricultural Statistics), Department of PP (Plant Protection- Agril. Entomology and Plant Pathology). Other non-academic sections include Agricultural Farm, Horticultural Farm, Dairy & Poultry Farm, PSB Library, Soil Testing Laboratory, Rathindra KVK (ICAR unit), AICRP on Weed (ICAR unit), Principal's Office and three Hostels (boys and girls). The Under Graduate (U.G) programme in this Bhavana is not under any specific department but the courses are shared by the four existing departments for all Undergraduates students. Existing teaching programmes include Undergraduate,

Master's and Ph.D. programmes.

The Departments and Centres are performing commendable work in developing new courses and initiating innovative research work by undertaking various projects in collaboration with leading national and international institutes like, IRRI, UNEP, BARC, NHB, IPNI, CSIR, NCAP, GaL, GOWB, DST, SAUs and ICAR institutes like NAARM and IIVR. On the research front, appropriate methodology of vermicomposting has been developed and it has been commercialized.

The mission of the Bhavana will be an effort to address the emerging issues of natural resource management, post-harvest management and value addition and diversification towards high value crops and enterprises among others.

Palli Samgathana Vibhaga

The Sriniketan Experiment on Rural Reconstruction, introduced by Tagore as early as in 1922, nurtures the aim “to bring back life in its completeness into the villages, making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions”.

The institute comprises of four Departments namely Rural Extension Centre (Department of Life Long Learning and Extension), Department of Social Work, Department of Palli Charcha Kendra(Rural Development) and Silpa-Sadana (Department of Craft and Design)

Rural Extension Centre (Department of Life Long Learning and Extension)

The area of operation of the department is now extended to over 50 villages under 8 Gram Panchayats in 2 Blocks namely Bolpur-Sriniketan and Illambazar district. Among the manifold and multi-faceted activities of REC the following are worth mentioning:

48 Village Development Societies (VDS), 10 Mahila Samitis and 1 Health Society are organized and motivated to initiate the reconstruction activities in the villages. To promote the empowerment of women, 10 Women’s Forum and more than 100 SHGs

are formed in different villages to address different health and social issues concerning women in the villages, Rural Boys and Girls between 9 and 14 years of age are mobilized into groups and motivated for the spirit of Community Services among Children and to develop leadership qualities through group dynamism among children. Rural Library Service programme in rural areas has been carried out through networking with 34 rural libraries with financial support from Raja Rammohan Roy Library Foundation (RRRLF), Ministry of Culture, Government of India. The present emphasis has been laid to develop each library as an information centre and knowledge hub. This Department is also looking after various training programmes envisaging the need of the community health, agriculture, education, vocational courses, games and sports, traditional folks and handicrafts.

Department of Social Work

The Department of Social Work, established in the year 1963 at Sriniketan, is offering BSW(Hons.) degree, the first one in India to offer this course. It has started a post graduate course, MSW in 1977. It also offers research programme leading to Ph.D degree. It has developed its own strength because of its commitment in nurturing professionals who could take up the service to the course of humanity.

Palli Charcha Kendra (Department of Rural Development)

Palli Charcha Kendra (PCK) was established in 1977 as a teaching and research Department under the Institute of Rural Reconstruction.

Silpa-Sadana (Department of Crafts)

Silpa-Sadana was established to promote and upgrade the skills of rural artisans as a part of the integrated rural reconstruction programme and aiming at the assimilation of Arts and Crafts. It has introduced a most demanding professional course in Bachelor of Design programme in three files (Ceramics & Glass, Textile & Clothing, Furniture & Interior) since 2010. Through the extension activities the Department generates self employment among the artisans in the field of carpentry, pottery, artistic leather-crafts, hand made paper making, batik, handloom weaving etc.

Kala-Bhavana

Kala-Bhavana (Institute of Fine Arts) was founded in 1919 i.e. two years prior to the establishment of Visva-Bharati (1921). It is indeed blessed as here Nandalal Bose began to develop a new art -movement on the basis of Rabindranath's philosophy of education and the role of culture in nation building. With the passage of time, Kala-Bhavana became one of the core institutions of Visva-Bharati.

At Visva-Bharati, Santiniketan, art education was visualized not as a programme for imparting technical skills but as an exploration of visual communication. Visual arts was not seen in isolation but as a part of a larger cultural spectrum and culture was perceived as a factor enhancing the quality of life, the resurgence of which depends on the renewal of creativity. Kala-Bhavana became the nucleus of the new art movement in pre- independent India and acquired great importance and was the first department of Fine Arts in an Indian University. With the inclusion of Western Art scholars like Stella Kramrisch, Kala-Bhavana developed a truly modern and global perspective even during the pre-independence era.

Since its inception, Kala Bhavana has boasted of an outstanding faculty. It was singularly fortunate to have Nandalal Bose, Asit Kumar Halder, Benode Behari Mukherjee, and Rarnkinkar Baij as its early teachers. Dinakar Kowshik, Somnath Hore and K. G. Subramanyam were among their distinguished successors. And the present faculty is equally distinguished; many of its members have made their mark on the national and international scene.

It has a 4-year Undergraduate (Honours) and Diploma programmes and 2-year Postgraduate and Advanced Diploma programmes in all these areas. At the same time, there is a concerted effort to bring each stream into contact with the others and thereby enrich and diversify it. To encourage each student to make this effort, in the initial year of the undergraduate course they are made to go through an integrated programme before going in for three years of specialization, and the studios are so organized as to make inter-departmental contacts possible even later. In addition to these, there is a Ph.D. programme with facilities for research in the areas of traditional, modern, non-professional, and folk art, a 2-year course in crafts, and a one-year introductory course for foreign students who wish to familiarize themselves

with aspects of Indian art studies and practice. Apart from the academic departments, there is also a museum with a collection of diverse art works covering the entire gamut of oriental and occidental artists.

Another area to be mentioned is a rare collection of books in Kala- Bhavana Library. It started in the early days of Kala-Bhavana when Gurudev Rabindranath Tagore himself started collecting books from across the globe.

As a premier art institute in India, Kala-Bhavana continues to draw its students from all over the country despite the fact that now there are art colleges in every state. Besides Indian students, it regularly attracts students from many countries all around the world. This conglomeration of students with its educational programme and working environment makes Kala-Bhavana a place where cultural interaction comes naturally and where the motto of Visva-Bharati is a living reality. The Bhavana is now introducing a centre for Interdisciplinary Art Practice apart from the traditional specialization-based art schooling to support the growing need for new age art practice. With the constant visit of luminaries and scholars, the ambience is actively cosmopolitan.



A scene from Tagore's dance-drama

Sangit-Bhavana

In tune with Tagore's concept of holistic education which is expected to nurture creativity in various facades-cultural and humanitarian, Sangit- Bhavana, an Institute of Music, Dance and Drama can claim unique status because of its emphasis on fostering the aesthetic sensibilities of young minds. Sangit-Bhavana offers nine streams of music- Rabindra Sangit, Manipuri Dance, Kathakali Dance and Drama and Theatre Arts are under the Department of Rabindra Sangit, Dance and Drama while Hindusthani Classical Music (Vocal), Sitar, Esraj, Tabla and Pakhawaj come under the purview of the Department of Hindusthani Classical Music. Students from all over the country and abroad are imparted training through regular Undergraduate, Postgraduate, Certificate and Ph.D courses. Apart from teaching, the functions and festivals which form an integral part of the cultural ambience of Visva-Bharati in particular and Santiniketan in general, are organized throughout the year by this

Bhavana. Sangit Bhavana carries on the rich tradition built up by pioneers like Dinendranath Tagore, Bhimrao Shastri, Indira Devi Choudhurani, Shantidev Ghosh, Shailajaranjan Majumdar, Kanika Bandyopadhyay, Nilima Sen, Ashesh Bandyopadhyay, Ranadhir Roy, D.T. Joshi, V. Wazalwar, Indranil Bhattacharya, Nimaichand Borai, Kelu Nair, Amu B. Singh and many others.



Rabindranath among the Sangit Bhavana students

Besides imparting music lessons, Sangit-Bhavana is actively engaged in research and innovation, a few of which are mentioned below:

- i. A major project 'Kalanukramik Rabindra Sangit' i.e. the project on 'Tagore Songs in Chronological Order'.
- ii. Research Projects steered by 'The Rabindra Sangit Gabeshana Kendra' i.e. the Centre for detailed Research on 'Tagore Songs', under Tagore Memorial Institute.
- iii. 'The Centre for Esraj' introduced at Sangit-Bhavana,
- iv. Promoting innovative ideas under the aegis of Visva-Bharati Music Board

- v. From the very next session the M.Phil course for all the streams of Music will be introduced in Sangit Bhavana.

A troupe of 28 students and faculty from the Hillwood College, Candy, Srilanka visited Visva-Bharati as a part of exchange programme and were attached to Sangit-Bhavana to attend classes during 7-17 August 2012.

Seminars and workshops organized by Sangit Bhavana include:

1. 'Rabindranath and Baul' (21.05.2011)
2. Rabindranath Tagore and Artistic Creativity, 23-25 March 2012.
3. 'Rabindranath Tagore and the Bauls' during 18-20 December 2012.
4. 'Guru-Sishya Parampara' during 18-20 December, 2012.
5. 'Candy Dance of Srilanka' during 2-31 March, 2013.
6. A three-day National Seminar during 21-23 June 2013 on 'Aesthetics of Indian Classical Music.'
7. A three-day National Seminar on 'Rabindranath O Samasamayik Bangla Geetikargan; Dwijendralal, Autlprasad, Rajanikanta, Dilip Kumar and Nazrul' during 29-31 August 2013.
8. A two-day National Seminar on 'Rabindra Sangiter Bhuban' during 11-1 September 2013.

Sangit-Bhavana considers it a privilege to disseminate Tagore's ideas and ideals by strengthening the intimate relationship with various other institutions both on national and international level through cultural exchange programmes. It has planned to teach Rabindra Sangit through online/skype to reach out to as many learners as possible in our country and abroad. It has also been decided to re-introduce the teaching of Rabindra Sangit at Granthana Vibhaga, Kolkata through Visva-Bharati Music Board. To introduce the distance learning is also another

objective of Sangit Bhavana. Sangit Bhavana would also like to open M.Mus. in Drama & Theatre Arts in near future.

Rabindra-Bhavana

Visva-Bharati indeed is honoured to house Rabindra-Bhavana which is considered as a “Jewel in the Crown” in Visva-Bharati scenario. Rabindra-Bhavana, since its inception is considered as the largest repository of Tagore Collection and a core of Tagore-related research and understanding. Rabindra-Bhavana comprises several units viz. museum, archives, library, audio visual, preservation and garden units. Added to these, Rabindra Charcha Prakalpa and Research and Lipika Manuscriptorium and Hall are two other important facades of Rabindra-Bhavana, adding glow to its luminous brilliance.

At present Rabindra-Bhavana is an integral part and principal constituent of Tagore Memorial Institute.



Udayana Griha in Uttarayana Complex where Tagore used to stay during the last phase of his life

Museum

The museum is the richest repertoire of archival materials related to Tagore and his family with occasional glimpses of other pioneers of 19th century interspersed.

Santiniketan Griha Museum

This is the earliest building constructed in Santiniketan and was blessed with a stay of Gurudeva with his wife Mrinalini Devi and children. This Museum is at present adorned with a permanent exhibition consisting of several panels which highlight various important facades of Tagore's life, both thematically and chronologically. Recently a gallery 'Dwijendrakaksha', commemorating the creative brilliance of Dwijendranath Tagore, the poet's elder brother, had been introduced.

Rathindra-Museum

Guhaghar - the office cum residence of Rathindranath Tagore had been converted into a Museum. The museum was inaugurated by Sri M.K.Narayanan, Hon'ble Rector, Visva-Bharati and Governor of West Bengal on 28th June, 2013.

Archives

Rabindra-Bhavana Archives is presumably the largest repository of Tagore's original manuscripts, correspondence with eminent personalities both in India and abroad and other related items gifted by Tagore connoisseurs. All items have been digitized except new arrivals.

Library

Rabindra-Bhavana Library, considered to be the most important constituent of the Bhavana, is like a place of pilgrimage to all Tagore researchers on account of its vast collection on Tagore and 19th Century Bengal. It preserves a repertoire of several rare books like the first editions of numerous Tagore's publications.

The digitization process of entire library collection by Centre for Development of Advanced Computing (CDAC), funded by Raja Rammohan Roy Library Foundation

under the auspices of Ministry of Culture is continuing in full swing and is expected to be completed shortly.

Audio Visual and Reprographic Unit

A large number of wire, tape and discs vibrating with Tagore's voice, a plethora of rare photographs, films based on Tagore's life and creativity, gramophone records, and audio cassettes of Tagore's songs by eminent singers form the repertoire of this unit. The Tagore photo archives is on the verge of complete digitization and Tagore's paintings had been digitized. The process to digitize paintings other than Tagore's has been initiated.

Rabindra Charcha Prakalpa and Research

With a view to promote Tagore-centric research, this unit has published research journal *Rabindrabiksha* vol. 52, 53 and 54.

To sensitize the entire staff and students of Visva-Bharati about Tagore and his myriad-minded creativity, Rabindra-Bhavana, in collaboration with the Board of Studies, Tagore Studies had organized a two-day workshop on 10th and 24th February, 2013 at Lipika Auditorium. Quite a few Tagore scholars have discussed about Tagore and his relevance in the contemporary global scenario.

Kalanukramik Rabindra Rachanavali Prakalpa

A research team comprising young scholars is working at break-neck speed under the guidance of eminent scholars. The first volume of KRR has already been published.



Lipika Manuscriptorium

Lipika Manuscriptorium is a repository of about 12500 manuscripts pertaining to different languages and archaic scripts such as Sanskrit, Bengali, Oriya and Tamil as well as Surul and Joydev Kenduli records.

A MoU has already been signed between Visva-Bharati and National Manuscript Mission and Lipika Manuscriptorium, Rabindra-Bhavana has been declared by the NMM as a Manuscript Resource Centre.

Rabindrprabaha/Seminar/Workshop/Conference/Exhibition/Publication/Important Event etc.

Rabindrprabaha: 14 talks on various facades of Tagore and other luminaries have been organised.

Other important events: 4 (Four)

Seminar/ Workshop/Conference/Others: 9 (Nine)

Exhibitions Organized by Rabindra-Bhavana: 9 (Nine)

Outreach programme, conducted by the Bhavana in 2013:

- a) 35 blankets have been donated to Bharat Sevasram Sangha and Binapani Asharama for tribal students by the Hon'ble Vice- Chancellor.
- b) A sum of Rs. 50,000/- has been donated by the Hon'ble Vice-Chancellor to Ghosaldanga Evening School for academic development of tribal students.

Publications:

- 1) Rabindra-Bhavana has published a bilingual edition of *Gitanjali*, decked with manuscripts, hitherto unpublished archival materials and rare photographs. The book is jointly edited by Prof. Tapati Mukhopadhyay and Dr. Amrit Sen. This book was released by Sri M.K.Narayanan, Hon'ble Governor, West Bengal and the then Rector, Visva-Bharati on 18th December, 2012 and the first copy of the book was presented to Sri Pranab Mukherjee, Hon'ble President of India and Paridarsaka, Visva-Bharati.
- 2) Monograph on Tagore's thoughts on Education (series of lectures on Rabindranath's Thoughts on Education) edited by Prof. Tapati Mukhopadhyay.
- 3) *Barsasesh O Janmadiney Rabindranath* edited by Prof. Tapati Mukhopadhyay.
- 4) *Rathindranath: The Unsung Hero* edited by Tapati Mukhopadhyay and Amrit Sen.
- 5) The faculty of Rabindra-Bhavana are regularly bringing out the issues of *Rabindrabiksha* and *The Visva-Bharati Quarterly*.

An Evaluative Report of The Performance of Last Five Years

Visva-Bharati has made phenomenal progress in certain key aspects during the last five years.

Infrastructure:

A) Renovation and Restoration of heritage buildings.

Tagore's houses and other heritage buildings had been thoroughly repaired and renovated by Archaeological Survey of India.

To facilitate teaching and higher research, Visva-Bharati has made a sincere attempt to augment its infrastructure. The construction of several academic buildings, hostels and auditorium had opened up a new vista of higher education by introduction of several new courses in these buildings. A few of them are given below:

1. New Bhasa-Vidya Bhavana, catering to the infrastructural requirement of all language and literatures and Social Sciences, inaugurated by Hon'ble President of India and *Paridarsaka* of Visva-Bharati in 2014.
2. Integrated Science Building, inaugurated in 2014.
3. New building of Vinaya Bhavana, inaugurated in 2014.
4. New building of Sangit Bhavana inaugurated in 2014.
5. New Annexe building of library inaugurated in 2013.
6. Golden Jubilee Building of Palli Siksha Bhavana in 2013
7. Social work building in Sriniketan in 2013.
8. New extension block for Silpasadana, inaugurated in 2013.
9. New Building of Pearson Hospital is under construction
10. A full-fledged auditorium 'Natyaghar', which is catering to the aesthetic requirement of Visva-Bharati is thoroughly renovated.
11. Two 500 seater hostels— One in Santiniketan and one in Sriniketan have been constructed.

12. Non-language Building (under construction).
13. Apart from these major constructions, to facilitate teaching and research, University Guest Houses i.e. Ratankuthi and Purbapalli have been thoroughly renovated with a view to accommodate our esteemed guests.
14. Construction of Lipika Auditorium and Manuscriptorium.
15. Fencing of entire Visva-Bharati campus had been completed during this time frame.
16. Repair and renovation of road leading to Sriniketan is completed.
17. A new modern gymnasium has been constructed.
18. Construction of Philosophy Building.
19. Swimming pool is on the verge of completion.
20. Thorough renovation of Kuthibari in Sriniketan.
21. Renovation of office-cum residence of Rathindranath and conversion into Rathindra Museum.

In tune with the aesthetic requirement of the institution, Visva-Bharati has renovated three places of beauty and historical interest and re-named them after three pioneers and connoisseurs of Visva-Bharati.

- a) Kinkar Udyan in the memory of Ramkinkar Beij, the great artist and sculptor.
- b) Dinendra Kunja to pay a tribute to Dinendranath Tagore who is indeed the key person to retain Tagore's notations of music.
- c) Jagadish Udyan: dedicated to the great scientist and an avid friend and connoisseur of Rabindranath.

A few other prestigious projects which are already in pipeline

- a) Moledanga campus
- b) Einstein Bhavana
- c) Natural Science Museum.
- d) Joint building of Kala and Sangit Bhavana which symbolises Tagore's concept of unison of Sangit and Kala.

Academics

- a) Semester system had been introduced in all departments since 2010.
- b) A choice-based credit system had been introduced where a physics honours student can opt for painting as subsidiary.
- c) Transfer of credit system with Indian and Foreign Universities had already started in Kala Bhavana. It is expected that this will be introduced in other Bhavanas shortly.
- d) With the introduction of semester system, curriculum in various subjects had been thoroughly revised.
- e) Thorough change both in admission procedure and national level admission test for under graduate students had been implemented as per recommendation of a high profile committee, headed by Prof. Suranjan Das, Vice-Chancellor, University of Calcutta.
- f) Introduction of new centres and subjects:
 - i. Centre for Comparative Literatures under Bhasa Bhavana
 - ii. Centre for Culture Studies under Bhasa Bhavana
 - iii. Centre for Linguistics under Bhasa Bhavana

- iv. Centre for Esraj in Sangit Bhavana.
- v. Rabindra-Sangit Research Centre.
- vi. Centre for Practising Drama.
- vii. Women's Studies Centre.
- viii. Integrated Science Education and Research Centre.
- ix. Mathematics Education Centre.
- x. Department of Biotechnology.
- xi. For advancement of knowledge several high profile academicians of national and international reputation have been invited and appointed as Adjunct Professors, Emeritus Professors and Visiting Scholars.
- xii. All extremely valuable manuscripts, first edition books and rare books in Rabindra-Bhavana, Kala-Bhavana and Sangit Bhavana have been digitised.

Visva-Bharati has been designated as a nodal centre for Endangered languages, funded by UGC in 2014

Adequate number of faculties have been recruited and fund sanctioned for smooth functioning of these courses.

A few significant Research Projects:

- a) A chronological anthology of Tagore's writings, funded by Ministry of Culture.
- b) A chronological anthology of Tagore songs.

A few more projects pertaining to science:

| <i>Date</i> | <i>Project Title</i> | <i>Funding Agency</i> | <i>Amount of Grant received (Rs.)</i> |
|-------------|---|-----------------------|---------------------------------------|
| 7 Aug. 2012 | NREGA and Conditions of Rural Labourers– A Comparative Study of Two Districts in West Bengal | UGC | 6.71 Lakhs |
| 2012 | Strengthening Decentralization in Rural Bengal through Panchayati Raj Institutions and Self help Group. | UGC | 6.79 Lakhs |
| 2012-2015 | cDNA-AFLP to identify differentially expressed genes in Vigna mungo upon inoculation with Mungbean Yellow mosaic Indian virus. | DST | 24/- Lakhs |
| 2012-2015 | Identification and characterization of <i>Phaseolus vulgaris</i> micro RNAs differentially expressed in biotic stress condition by deep sequencing of small RNA transcriptomes. | DBT | 44.12 Lakhs |
| 2013-2016 | Therapeutic and immunomodulatory potential in traditional and wild relatives of rice <i>Oryza sativa</i> Linn. | UGC | 13.19 Lakhs |
| 2010 | Development of organic-inorganic hybrid materials based on grafting organic polymers onto inorganic nanomaterials. | DST, New Delhi | 18.3 Lakhs |
| 2010 | Ionic liquids and catalysts | DST, New Delhi | 38.25 Lakhs |

| | | | |
|-------------------|--|--|---------------|
| | with ionic tag: Preparation and their application in organic synthesis. | | |
| 2011-2014 | A comparative study of biotransformation mechanisms of earthworm <i>Lampito mauritii</i> and <i>Eisenia fetida</i> exposed to soil of industrial origin. | UGC | 8,70,800/- |
| 2012-2015 | Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge: BioCPV | DST | 2,26,70,325/- |
| 2011-June 2014 | <i>Electrical, Magnetic and Micro-structural characterization of some Composit Biopolymer</i> | CSIR | 15.74 Lakhs |
| May 2013-May 2016 | <i>Physics and Mathematics of PT symmetric system</i> | SERC, DST | 13.40 Lakhs |
| 2013-2014 | Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments. | Board of Research in Nuclear Science (BRNS), DAE funded in collaboration with BARC | 16/- Lakhs |

Major publications:

- To commemorate centenary celebration of award of Nobel to Rabindranath in 1913, a bilingual version of Gitanjali, decked with hitherto unpublished information and clippings were published in 2012 and released by our the-then Rector Sri M.K. Narayanan.
- Rathindranath the Unsung Hero in 2012
- Basobaraney O Janmodiney in 2013.

- d) The first volume of “An anthology of time based Tagore works, was published in 2014.

Visva-Bharati Publishing Department has published almost all works of Rabindranath during these five years. Research publications on myriad-minded creativity of Tagore add a luminous brilliance to Visva-Bharati Publications.

A special achievement of our university in the field of international research publication

The Nature Publishing Index

The Nature Publishing Index ranks institutions according to the number of primary research articles they publish in Nature journals. *Nature* and its family of Nature-branded sister journals is world-renowned as the pre-eminent platform for publication of the very best international research. These rankings are based on the number of papers that were published within the last 12 months. These rankings only include papers that were published as research articles (Articles, Letters and Brief Communications) or reviews in *Nature* and/or Nature monthly research journals. The index is updated weekly. According to the index date range: 16-04-2012 to 15-05-2013 for Research Articles, Visva-Bharati ranked 179 among 725 Institutions/Universities in the Asia-Pacific region.

Eco-friendly Zone:

In tune with the idea of our founder Rabindranath who always upheld the theory of sustainable development and ecological balance, an Eco-friendly zone has been established in a deserted piece of land in Lalbandh, much to the joy of the naturelovers and environmentalists.

Functions and Festivities:

In tune with the concept of education, enunciated by our founder father Rabindranath, that does not restrict education within the periphery of class room but expands itself in the bounty of nature, Visva-Bharati has made functions and festivities an inseparable part of the curricula. A student gets his first lesson in nature

studies in the form of welcoming the season through festivities i.e. welcoming the rainy season or spring festival. In Visva-Bharati we celebrate the birthdays of both Buddha and Christ to substantiate the noble idea of universal love for mankind. On each Wednesday, the students and faculty participate in prayer “upasana” in the temple. Thus functions and festivities are not simply celebrations, they are part and parcel of academic scenario of Visva-Bharati.

Extension activities:

- a) In Social Work Department, students organize Community Based programmes and design it in consultation with faculties in the nearby 25 villages and local communities. Extension activity is also conducted with local NGOs and Government School/Departments where students are placed for field work.
- b) In Palli Siksha Bhavana, faculties are regularly invited to participate in different farmers’ training programmes and training programmes for extension officers, organized by Rathindra Krishi Vigyan Kendra, Agricultural Departments of Government of West Bengal, different NGOs such as Manab Jamin, Ramakrishna Mission and corporate bodies such as IFFCO etc.
- c) A Health Consultation Camp was organized by Women’s Studies Centre for Adolescent Girls on 14 February, 2011 at Islampur village in collaboration with PM Hospital, Visva-Bharati. The doctors visited the camp and provided consultation to about 22 girls within the age group of 10-26, mainly suffering from various gynaecological and malnutrition-related problems and otherwise who do not have access to doctors. Medicines were also provided by Tagoreland Rotary Club, Santiniketan.

A few major events:

- Visva-Bharati celebrated 150th year of its founder’s birthday in a befitting sombre manner. National and International seminars and conferences were organised throughout the year to pay tribute to one of the most outstanding

literary icons, the planet earth had ever produced.

- On this occasion a mobile exhibition of Tagore paintings had been displayed in all major cities of the world with assistance received from National Archives.
- On the occasion of centenary celebration of award of Nobel to Rabindranath in 1913, yearlong celebration was organised by Visva-Bharati both in India and abroad. Sangit Bhavana performed Tagore's dance dramas and presentations, based on the assimilation of scientific ideas and songs, prepared by Vice-Chancellor of Visva-Bharati in Sri Lanka and China and various other prestigious organisations in India.
- To commemorate this remarkable event, Visva-Bharati published a bilingual version of Gitanjali, decked with hitherto unpublished information and reports.
- Two annual convocations were held in 2012 and 2013 after a gap of six years.
- Visva-Bharati is indeed glorified by four Visits of President of India and Paridarsaka, Visva-Bharati and ten visits of the Governor, West Bengal and Rector, Visva-Bharati.
- Indeed Visva-Bharati has traversed a long way during these five years in achieving its goal of imparting holistic education, assimilating humanities, science and arts in a perfect unison – a concept enunciated and nurtured by our founder.

PROFILE OF THE INSTITUTION

1. Profile of the University

1. Name and Address of the University:

| | | | |
|---|--------------------------------------|--------------------|--|
| Name: | Visva-Bharati | | |
| Address: | P.O: Santiniketan, District: Birbhum | | |
| City: Bolpur | Pin: 731235 | State: West Bengal | |
| Website: www.visva-bharati.ac.in | | | |

2. For communication:

| Designation | Name | Telephone with STD Code | Mobile | Fax | Email |
|--|---|------------------------------------|----------------------------|--------------|--|
| Vice Chancellor | Professor Sushanta Dattagupta | O: 03463-262451 R: 03463-262481 | 09434062481 | 03463-262672 | vice-chancellor@visva-bharati.ac.in sushantad@gmail.com |
| Pro Vice Chancellor | None | O: R: | | | |
| Registrar | Dr. D. Gunasekaran | O: 03463-261531 R: 03463-262594 | 09434061641 | 03463-261156 | registrar@visva-bharati.ac.in |
| Steering Committee / IQAC Co-ordinator | Professor Sandip Basu Sarbadhikary (Joint Co-ordinator, NAAC/ | R: 03463-262935 | 09434023372 09933945279 | | sandipsarbadhikary@gmail.com |
| | Professor Nirmalya Banerjee (IQAC) | O: 03463-261290 R: 03463-264755 | 09932619010 | | nirmalya_b@rediffmail.com |

3. Status of the University:

State University

☐

State Private University

☐

Central University

☒

University under Section 3 of UGC (Deemed University)

☐

Institution of National Importance

☒

Any other (please specify)

4. Type of University:

Unitary

☒

Affiliating

☐

5. Source of funding:

Central Government

☒

State Government

☐

Self –financing

☐

Any other (please specify)

6. a. Date of establishment of the university: **22/11/1921**

Declared Central University and Institution of National Importance by an Act of Parliament

Vide Notification No. 40-5/50 G.3 dated 09/05/1951.

b. Prior to the establishment of the university, was it a/ an

i. PG Centre

Yes ☐ No ☐

ii. Affiliated College

Yes ☐ No ☐

iii. Constituent College

Yes ☐ No ☐

iv. Autonomous College

Yes ☒ No ☐

v. Any other (please specify)

The founder Rabindranath Tagore established an experimental school named 'Brahamachharyashrma' that later named

as 'Patha-Bhavana'.

If yes, give the date of establishment : December 23, 1901

7. Date of recognition as a university by UGC or any other national agency

| Under Section | dd | mm | yyyy | Remarks |
|---------------------------|----|----|------|--|
| i. 2f of UGC* | 14 | 05 | 1951 | Notification No. 40-5/50 G.3 of the Central Government |
| ii. 12B of UGC * | 01 | 01 | 1956 | |
| iii. 3 of UGC # | | | | |
| iv. Any other ^ (specify) | | | | |

* Enclose certificate of recognition.

Enclose notification of MHRD and UGC for all courses/programmes/campus/campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes ☐ No ☒

If yes, date of recognition: (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes ☐ No ☒

If yes, Name of the agency and

date of recognition: (dd/mm/yyyy)

9. Does the university have off-campus centres?

Yes ☐ No ☒

If yes, date of establishment : (dd/ mm/ yyyy)

date of recognition : (dd/ mm/ yyyy)

10. Does the university have off-shore campuses?

Yes ☐ No ☒

If yes, date of establishment: (dd/mm/yyyy)

date of recognition : (dd/mm/yyyy)

11. Location of the campus and area: Santiniketan, Sriniketan & Kolkata.

| | Location * | Campus area In acres | Built up ar in sq. mts |
|---------------------|--------------------|-------------------------|---------------------------|
| i. Main campus area | Semi-urban & Rural | 1127.33 | (i) Heritages structures |

| | | | |
|---|-------------------|--------------------|--|
| | | acres | including Rabindra Bhavana 12223 sq. mts (ii) Academic & Administration – 68952 sq. mts (iii) Hostels – 35890 sq. mts (iv) Quarters – 35572 sq. mts |
| ii. Other campuses in the country Visva-Bharati Publishing Department (Granthana-Vibhaga), 6, Acharya Jagadish Chandra Bose Road, Kolkata-700 017 | Metropolitan City | 0.416 acres | 2186 sq. mts |
| iii. Campuses abroad | Nil | NA | NA |

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

Santiniketan-Sriniketan Campus:

- Auditorium/ seminar complex with infrastructural
- Sports facilities
 - * playground : Five units under University Sports Board.
 - * swimming pool : One standard swimming pool is under construction.
 - * gymnasium : Two gymnasium and one under construction.
 - * Any other (please specify)
- Hostel
 - * Boys' hostel
 - i. Number of hostels: 12
 - ii. Number of inmates: 1066
 - iii. Facilities: Electricity, Purified Drinking Water, Kitchen, Hospital, Playground, Gymnasium, Newspaper, Magazines, Telephones, Television, Common room, Visitor's room, indoor games etc.
 - * Girls' hostel
 - i. Number of hostels: 13
 - ii. Number of inmates: 1058

- iii. Facilities : Electricity, Purified Drinking Water, Kitchen, Hospital, Playground, Gymnasium, Newspaper, Magazines, Telephones, Television, Common room, Visitor's room etc.
- * Working women's hostel : Nil
 - i. Number of hostels:
 - ii. Number of inmates:
 - iii. Facilities:
- Residential facilities for faculty and non-teaching:
Residential Accommodation for 109 faculty and 338 non-teaching staff are available in the campus.
- Cafeteria: Canteen, tea/coffee stalls etc are located within the campus.
- Health centre - Nature of facilities available - inpatient, outpatient, ambulance, emergency care facility, etc.
- Facilities like banking, post office, book shops, etc.
Two Branches of State Bank of India - one at Santiniketan with two ATM Counters and other at Sriniketan with one ATM Counter facilities. One Employees' Co-operative Bank namely, Visva-Bharati Co-operative Bank Ltd. located at Santiniketan and one Employees' co-operative store, namely Visva-Bharati Samavaya Samiti Ltd. Besides the above, one ATM Counter of AXIS Bank near central administrative building and Two Post Offices - one at Santiniketan and the other at Sriniketan campus.
Book shop : One private book shop namely, Subarnarekha is at Santiniketan, Visva-Bharati Publishing Department's book shop at Rabindra Bhavana area, Santiniketan.
- Transport facilities to cater to the needs of the students and staff
Two University buses ply between Santiniketan and Sriniketan to cater needs of the students and staff.
- Facilities for persons with disabilities
Such facilities are available in Central Library, P.M.Hospital, Lipika Auditorium, Rathindra Atithi Griha, Rabindra Bhavana and few other places.
- Animal house
One old Dairy and Poultry farm under PSB is under process of renovation, and one animal house under the department of Zoology.
- Incinerator for laboratories
- Power house : Nil
- Waste management facility

The Waste management system of the University is being taken care of by a local Adibashi Self-Help Group namely, Mahadal under the supervision of a Director of the University.

13. Number of institutions affiliated to the university : No affiliated Institute under University. This is a unitary University.

| Type of colleges | Total | Permanent | Temporary |
|--------------------------------------|-------|-----------|-----------|
| Arts, Science and Commerce | | | |
| Law | | | |
| Medicine | | | |
| Engineering | | | |
| Education | | | |
| Management | | | |
| Others (specify and provide details) | | | |

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University: Not applicable.

Yes ☐ No ☐ Number ☐

15. Furnish the following information: For Academic year 2012-13

| Particulars | Number | Number of Students |
|--------------------------------|--------|--------------------|
| a. University Departments | | |
| Undergraduate | 48 | 3091 |
| Post graduate | 44 | 1959 |
| Research centres on the campus | 0 | |
| b. Constituent colleges | Nil | |

| Particulars | Number | Number of Students |
|---|--------|--------------------|
| c. Affiliated colleges | Nil | |
| d. Colleges under 2(f) | Nil | |
| e. Colleges under 2(f) and 12B | Nil | |
| f. NAAC accredited colleges | Nil | |
| g. Colleges with Potential for Excellence (UGC) | Nil | |

| | | |
|---|-----|--|
| h. Autonomous colleges | Nil | |
| i. Colleges with Postgraduate Departments | Nil | |
| j. Colleges with Research Departments | Nil | |
| k. University recognized Research Institutes/ Centres | Nil | |

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes ☒

No ☐

If the university uses any other nomenclatures, please specify.

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)

| Programmes | Number |
|---|------------|
| UG | 48 |
| PG | 44 |
| Integrated Masters(Five years Integrated course) | 01 |
| M.Phil. | 06 |
| Ph.D. | 46 |
| Two year Certificate course | 31 |
| One & Two year and four to nine months short time course | 30 |
| One year Advanced Diploma | 10 |
| One year Foreign Casual Courses/One year Casual Courses for Indians | 25 |
| Any other (please specify) | |
| Total | 241 |

18. Number of working days during the last academic year.

19. Number of teaching days during the past four academic years.

('Teaching days' means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes ☒ No ☐

If yes,

- a. Year of establishment..... (dd/mm/yyyy)
- b. NCTE recognition details (if applicable)
Notification No.: ERC/7-141.6.7/NCTE/B.Ed/2012/13734
Date: 29/08/2012
- c. Is the department opting for assessment and accreditation separately?
Yes ☐ No ☒

21. Does the university have a teaching department of Physical Education?

Yes ☒ No ☐

If yes,

- a. Year of establishment : June, 1997
- b. NCTE recognition details (if applicable) : For B.P.Ed.
(i) Notification No.: ERC/7-75.5.19/2007/7911
(ii) Date: May, 2007
- c. NCTE recognition details (if applicable) : For M.P.Ed.
(i) Notification No.: ERC/7-99.6(1)(4S).2/2009/1114
(ii) Date: 05 August, 2009
- d. Is the department opting for assessment and accreditation separately?
Yes ☐ No ☒

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered? : Not applicable.

Yes ☐ No ☐

If yes, please enclose approval/recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. : No.
24. Number of positions in the university

| Positions | Teaching faculty | | | Non-teaching staff | Technical staff |
|---|------------------|---------------------|---------------------|--------------------------------------|-----------------|
| | Professor | Associate Professor | Assistant Professor | | |
| Sanctioned by the UGC / University / State Government | 70 | 154 | 415 | 1756 (excluding safai karmachari) | 41 |
| Recruited | 48 | 115 | 365 | 1036 | 26 |
| Yet to recruit | 22 | 39 | 50 | 720 | 15 |
| Number of persons working on contract basis | | | | | |

25. Qualifications of the teaching staff

| Highest qualification | Professor | | Associate Professor | | Assistant Professor | | Total |
|-----------------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
| | Male | Female | Male | Female | Male | Female | |
| Permanent teachers | | | | | | | |
| D. Sc. /D. Litt. | | | | | | | |
| Ph. D. | 124 | 28 | 86 | 17 | 189 | 73 | 517 |
| M.Phil. | | | | | | | |
| PG | | | | | | | |
| Temporary teachers | | | | | | | |
| Ph.D. | | | | | | | |
| M.Phil. | | | | | | | |
| PG | | | | | | | |
| | | | | | | | |

| Highest qualification | Professor | | Associate Professor | | Assistant Professor | | Total |
|-----------------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
| | Male | Female | Male | Female | Male | Female | |
| Part-time teachers | | | | | | | |
| Ph.D. | | | | | | | |
| M.Phil. | | | | | | | |

| | | | | | | | |
|----|--|--|--|--|--|--|--|
| PG | | | | | | | |
|----|--|--|--|--|--|--|--|

26. Emeritus, Adjunct and Visiting Professors.

| | | | |
|--------|----------|---------|----------|
| | Emeritus | Adjunct | Visiting |
| Number | 02 | 04 | 14 |

27. Chairs instituted by the university:

| | |
|-------------------|--|
| | Chairs |
| School/Department | 2(one in Sangeet Bhavana and one in Vidya Bhavana) |

28. Students enrolled in the university departments during the current academic year, with the following details: As on 30/09/2013.

| Students | UG | PG | Inte- grated Masters | M.Phil. | Ph.D. | Inte- grated Ph.D. | D.Litt/ D.Sc. | Certificate | Diploma | PG Diploma |
|--|----------------------|--------------------|----------------------------|------------------|--------------------|--------------------------|------------------|--------------------|-----------------|--------------------|
| | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F |
| From the state Where the university is located | M : 1656 F : 1176 | M : 969 F : 779 | M : 39 F : 9 | M : 22 F : 20 | M : 671 F : 340 | M : 1 F : 2 | Nil | M : 188 F : 158 | M : 11 F : 6 | M : 904 F : 972 |
| From other states of India (including union territory) | M : 97 F : 80 | M : 86 F : 85 | Nil | M : 27 F : 13 | M : 128 F : 87 | M : 2 F : 0 | Nil | M : 13 F : 3 | Nil | M : 2 F : 2 |
| NRI students | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F | *M*F |
| Foreign students | M : 41 F : 41 | M : 15 F : 25 | Nil | Nil | M : 2 F : 7 | Nil | Nil | M : 1 F : 0 | Nil | M : 3 F : 1 |
| Total | 3091 | 1959 | 48 | 82 | 1235 | 5 | Nil | 363 | 17 | 1884 |

*M-Male *F-Female

29. 'Unit cost' of education : For the year 2012-13.
(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

- (i) Total expenditure including salary component – 14903.93 (in lacs)
- (ii) Total expenditure excluding salary component – 5558.52 (in lacs)
- (iii) Total No. of students enrolled – 7724 (includes General/SC/ST/OBC/PH)

(a) including the salary component = Rs. 1.93 lacs per annum

(b) excluding the salary component = Rs. 72000/- per annum

30. Academic Staff College : No.

- Year of establishment
- Number of programmes conducted (with duration)
 - * UGC Orientation
 - * UGC Refresher
 - * University's own programmes

31. Does the university offer Distance Education Programmes (DEP)?

Yes ☐ No ☒

If yes, indicate the number of programmes offered.

Are they recognized by the Distance Education Council?

32. Does the university have a provision for external registration of students?

Yes ☐ No ☒

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation: Cycle 1 ☒ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

Re- Assessment: ☐

34. Date of accreditation*(applicable for Cycle 2, Cycle3, Cycle 4 and re-assessment only)

Cycle 1:(dd/mm/yyyy), Accreditation outcome/Result

Cycle 2:(dd/mm/yyyy), Accreditation outcome/Result

Cycle 3:(dd/mm/yyyy), Accreditation outcome/Result

Cycle 4:(dd/mm/yyyy), Accreditation outcome/Result

* Kindly enclose copy of accreditation certificate(s) and peer team report(s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.
36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).
- IQAC 25/01/2011
- AQAR (i) 12/11/2012
- (ii)(dd/mm/yyyy)
- (iii)(dd/mm/yyyy)
- (iv)(dd/mm/yyyy)
37. Any other relevant data, the university would like to include (not exceeding one page).

In consonance with the ideas of Gurudev Rabindranath Tagore who is the fountain source of inspiration in all our creative endeavours, we have started working on a few focal areas which, in our belief will generate novel genres of research and creativity.

- a) Research on innovative education:
By integrating school education which is embedded in the academic structure of Visva-Bharati with Teacher's Education Programme, imparted in Vinaya Bhavana on one hand and the community college system through the Rural Reconstructions Programme in Sriniketan, a new research project, aimed at the holistic education of a student, has already been initiated.
- b) Amalgamation and Assimilation of conventional art form with modern techniques and sensibilities.
Kala-Bhavana, established by Rabindranath and embellished by his disciples Abanindranath, Nandalal and a galaxy of other innovative artists has claimed universal recognition. It was listed by the weekly magazine India Today as India's number one college of art in 2013.
A scheme is already afoot to synergise the innovativeness of Kala-Bhavana with modern techniques of art, as enunciated by Shilpa Sadana, our school of Industrial Art, presently located in Sriniketan and specializing on different forms of village crafts in our attempt to create a modern institute of design which may be named as Santiniketan School of Art.
- c) An exclusive website of Rabindra-Bhavana which will exhibit and demonstrate various facades of creativity of Rabindranath be in literature or art or village reconstruction and will thus cater to the academic and aesthetic requirement of Tagore connoisseurs and research is going to be introduced shortly.
- d) Visva-Bharati is proud of its illustrious alumni. To name a few -

- a) Rathindranath Tagore
- b) Sudhiranjan Das
- c) Indira Gandhi
- d) Satyajit Roy
- e) Santidev Ghosh
- f) Kanika Bandyopadhyay
- g) Suchitra Mitra
- h) Balaraj Sahani
- i) Mrinalini Sarbhai
- j) Abdul Gani Khan

Visva-Bharati has the tradition of inviting faculties from India and abroad and we are renewing this practice in recent times. To name a few illustrious teachers :

- i) Ustad Alauddin Khan
- ii) Pandit Ravishankar
- iii) Pandit Nikhil Bandyopadhyay
- iv) Sambhu Mitra
- v) Badal Sircar
- vi) Sakti Chattopadhyay
- vii) Professor K.G. Subramaniam
- viii) Kajuo-Azuma
- ix) Prof. Anisrjjan
- x) Prof. Makino
- xi) William Radice
- xii) Cassio Francesca
- xiii) Prof. Soumya Chakraborty
- xiv) Shri Paranjoy Guha Thakurta
- xv) Professor Deepak Kumar

THE VISVA-BHARATI ACT, 1951

(Act No. 107 OF 1951)

An Act to declare the institution known as Visva-Bharati to be an institution of national importance and to provide for its functioning as a university, teaching and research institution;

[14th July, 1951]

Enacted by the Legislature of India
The Visva-Bharati (Amendment) Act, 1951
No. 11 of 1951

as published in the Gazette of India, Extraordinary Part II—Section 3,
No. 241 dated December 24, 1951

The Visva-Bharati (Amendment) Act, 1957
No. 37 of 1957

as published in the Gazette of India, Extraordinary Part II—Section 3,
dated December 23, 1957¹

as amended
The Visva-Bharati (Amendment) Act, 1964
No. 31 of 1964

as published in the Gazette of India, Extraordinary Part II—Section 3,
dated 22nd July, 1964²

¹ This Act came into force on the 15th day of May, 1951, by Notification No. 2025-A, dated 15th August 1951, in the name of the Government of India, under the signature of the Minister of Education, Government of India.

² This Act came into force on the 15th day of November, 1957, by Notification No. 2025-A, dated 15th August 1957, in the name of the Government of India, under the signature of the Minister of Education, Government of India.

³ This Act came into force on the 15th day of August, 1964, by Notification No. 2025-A, dated 15th August 1964, in the name of the Government of India, under the signature of the Minister of Education, Government of India.

⁴ This Act came into force on the 15th day of August, 1964, by Notification No. 2025-A, dated 15th August 1964, in the name of the Government of India, under the signature of the Minister of Education, Government of India.

| | | |
|--|--|--|
| विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) | विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) | विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) |
| विषय (Topic) | विषय (Topic) | विषय (Topic) |
| विषय (Topic) | | |
| विषय (Topic) | | |
| विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) | | |
| विषय (Topic) | | |
| विषय (Topic) विषय (Topic) विषय (Topic) विषय (Topic) | | |
| विषय (Topic) | | |



Visva-Bharati

Santiniketan 731235

INDIA

SELF-STUDY REPORT

PART - B

Criteria-wise Inputs

Submitted to
National Assessment and Accreditation Council
2014

C O N T E N T S

| | |
|---|------------|
| Criterion I : Curricular Aspects: | 1 |
| Criterion II : Teaching-Learning and Evaluation | 21 |
| Criterion III : Research, Consultancy and Extension | 44 |
| Criterion IV : Infrastructure and Learning Resources | 80 |
| Criterion V : Student Support and Progression | 92 |
| Criterion VI : Governance, Leadership and Management | 108 |
| Criterion VII : Innovations and Best Practices | 122 |

Criteria-wise Inputs



Rabindranath in class

Criterion I : Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The institutional vision and mission of Visva-Bharati as formulated by the Founder Acharya Rabindranath Tagore has not only been followed by the institution since its inception but with a view to make the system more appropriate and relevant to the present scenario, several new ideas and innovative overtures had been included in the curriculum. Initially the cherished objectives were as follows:

- a) To study the mind of Man in its realization of different aspects of truth from diverse points of view.
- b) To bring into more intimate relation with one another, through patient study and research, the different cultures of the East on the basis of their underlying unity.
- c) To approach the West from the standpoint of such a unity of the life and thought of Asia.
- d) To seek to realize in a common fellowship of study the meeting of the East and

the West and thus ultimately to strengthen the fundamental conditions of world peace through the establishment of free communication of ideas between the two hemispheres.

- e) And, with such ideals in view, to provide at Santiniketan a Centre of Culture where research into and study of the religion, literature, history, science and art of Hindu, Buddhist, Jain, Islamic, Sikh, Christian and other civilizations may be pursued along with the culture of the West, with that simplicity in externals which is necessary for true spiritual realization, in amity, good fellowship and co-operation between the thinkers and scholars of both Eastern and Western countries, free from all antagonisms of race, nationality, creed or caste.

These visions and missions have been addressed and reflected in the academic programmes starting from school system and developing into the highest doctoral level. In consonance with the prescriptions of ancient Indian scriptural texts like the Upanisads which promulgate the all pervasiveness of truth by declaring – *Satyam Bada, Satyanna pramaditabyam* (Speak the truth, one should not deviate from the path of truth) our curricula have emphasized the formulation of a ‘complete man’ who will be a protagonist of truth and virtue. Our school which is embedded in the academic scenario starts with a prayer dedicated to Almighty which will envisage truth. The weekly prayer, held in the Mandir (glass temple) attended by Visva-Bharati fraternity including the students consists of predominantly the hymns from our ancient scripture texts and spiritual songs thus emphasize the importance of truth. These prayers and songs are integral part of our curricula. In Vinaya Bhavana, which accommodates the Department of Education and the Department of Physical Education, the students are encouraged to read messages of the spiritual and religious icons like Swami Vivekananda, Rabindranath, Rishi Aurobindo etc. in their daily assembly, simply to imbibe and inculcate truth, moral strength and universal fraternity which constitute the ethos of Indian life. In the textual part, emphasis is laid on spirituality of which adherence to truth is a major component. In the syllabus of Tagore Studies which is a mandatory course for all 1st Year students irrespective of their stream, articles on Gautam Buddha and Mahatma Gandhi by Rabindranath have been incorporated with a view to instill, the core values of life. With this objective, the Department of Comparative Religion had been established to present before students a broad overview of spirituality and religion.

The second avowed objective of the institution i.e. conglomeration of various cultures of the East had been accorded due weightage in the academic programmes. Our Founder Gurudev Rabindranath Tagore had taken special initiative to establish

China Bhavana (The Centre for Chinese Studies and Culture) in 1937. Slowly and gradually another Bhavana representing oriental culture come into existence in the form of Nippon Bhavana (Centre for Japanese Studies). Thus Chinese and Japanese culture and education had formed significant part of our curricula in tune with the institutional vision and mission; Indo-Tibetan Studies forms another significant branch of oriental learning in Visva-Bharati. Highly academic research had been undertaken in all these departments which signals a fusion of neighbouring oriental cultures.

In pursuance of the concept of our Founder who was in favour of effecting synthesis of the East and West and with a profound appreciation of the East underneath, we have several academic programmes to offer our students what is perceived to be best of the West. Instead of a single literature Department like English, we have English and other Modern European Languages Department which teaches French, German, Italian and Russian language and literatures.

To promote peace and harmony among the citizens in a strife-torn and violence-marred world, the institution has introduced a few disciplines in recent part viz. Comparative Literature and Culture Studies which will augment international understanding by encouraging the study of several literatures and cultures of the world, viewed against a backdrop of contemporaneity. To fulfill our objectives, we have introduced a Centre for Modern European Languages, Literature and Cultural Studies which will include study of European literature and culture from a broader perspective.

In our attempt to make Visva-Bharati a International Centre of Culture which will epitomize our motto – '*Yatra Visvam bhavati ekanidam*' (where the world makes a home in a single nest) Indian philosophy, medieval mysticism, Islamic culture, Zoroastrian philosophy, Vedic and classic Sanskrit, Pali, Prakrit, Chinese, Tibetan, Persian, Arabic, German, Latin and Hindi form some major constituents of our academic programmes.

Since we strongly believe that the concept of holistic education can be achieved by amalgamating fine arts and visual arts with conventional mode of education, music and fine arts are our two treasured areas where we excel. To cope with the trend of entranced importance on science and technology, we have several Science Departments Viz. Physics, Chemistry, Mathematics, Zoology, Botany, Biotechnology, Environmental Studies, Statistics and Computer Science etc. An Integrated Science Education programmed also been introduced. In a nutshell, our academic programme has been designed in tune with the mission and vision of the institution.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Yes, the University follows a systematic process in designing and developing the curriculum as and when deemed necessary. For instance, in case of introduction of a new course or subject, the issue is discussed in details in departmental committees allied to the proposed course and subject. The matter then comes up for discussion in the meeting of Board of Studies of that Bhavana and then in the meeting of the Institute Board of the relevant Bhavana. In the meeting of Board of Studies and Institute Board, the opinion of the external experts is always sought for. If there is a general consensus of opinion related to suitability of the course and favourable feedback from the stakeholders viz. teachers, students, experts on the subjects, the matter is itemized as agenda for discussion in Academic Council, where Principals of all Bhavanas/Vibhaga and Professors of all Departments, other nominated members are at liberty to express their opinion about the proposed curriculum. If the Academic Council is presided over by Vice-Chancellor endorses the design and structure of the curricula including minute details, the curriculum and course is approved. As such, the entire process of designing and developing curriculum goes through several phases until it is finally approved by the highest body.

1.1.3 How are the following aspects ensured through curriculum design and development?

* **Employability**

* **Innovation**

* **Research**

Employability

While maintaining and preserving Tagorean ambience which thrives on value based education and simultaneously encourages job-centric avenues, the University ensures employability and job propensity in designing and developing curricula as far as practicable. For example the Department of CIHAB i.e. Crop Improvement, Horticulture and Agricultural Botany updates its course of studies to include the recent research interests in the curricula from time to time: This helps the Department to train the students in such a way that they find ample job opportunities in various research fields. Similarly the Department of Palli Charcha Kendra in Sriniketan is offering a M.A. Course in Rural Development by developing a course structure and the syllabus which will produce students having a strong basic theoretical knowledge of related core subjects and they will also possess the power to apply those knowledges in the real world situation. Needless

to say, this job-oriented curricula enhances the employability of students. In this context, a special mention may be made of Silpa Sadana, Cottage Industries Training Centre for its need based Course Curriculum which has introduced innovation in technique, technology, aesthetics and design to cater to the requirement of expanding job market for handicrafts. The linkage of the course with the village surrounding has provided stimulus to entrepreneurial activities which also create employability for the pass-outs.

The Rural Extension Centre (REC), one of the oldest Departments of Visva-Bharati located at Sriniketan, in its structured curricula has been giving emphasis over the years on extension programmes to encourage the villages to become self-reliant through formation of Village Development Societies, Self-Help Groups, Youth organizations, Women's forum etc. Invariably, the employability in and around these institutions help our students to get suitable avenues of job.

In the field of science, all nine Departments viz. Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer and System Science, Environmental Studies and Biotechnology and two centres viz. Mathematics Education and Integrated Science Education and Research Centre had structured their curricula in such a way as to generate employability of the students in various research organizations educational institutions as well as public and private sector undertakings. More significantly a few Departments have human faces too. The Department of Environmental Studies has structured a curricula to bridge the rural and urban divide with regard to energy in providing support to the rural people in tribal villages in remote areas for the upliftment and socio-economic development.

In the area of Humanities, several departments have designed their curricula so as to appear lucrative in term of employability. Among the language and literature Departments, the course structure in foreign languages viz. Chinese, Japanese, French, German etc. help the students for job opportunities as interpreter in this globalised world scenario apart from regular job opportunities in teaching and other academic fields. Employability is absolutely ensured in the course structure of Journalism and Mass Communication which produces the budding journalists to cover the world scenario. Even in conventional language and literature courses, the curricula have been designed in such a way as to open up new vistas of thought and thus create avenue for employability. For example, the multi-disciplinary approach to studies in DEOMEL has encouraged students to excel in professional fields like Journalism and Media, apart from pursuing vocations in academic institutions at national and international levels.

The area of social sciences has paid equal attention to this aspect of employability. As for example, the Department of Geography in its curricula has devoted special

attention to the thrust areas like resources management, landscape ecology, population, remote sensing and settlement infrastructure development, urban and regional planning and rural development etc.

In the arena of fine arts and visual arts, employability is the key word in curricular design. A fusion of innovative technique and traditional style has been effected in the curricula of Hindustani Classical Music, Rabindrasangit, Drama and Theatre Arts and classical dance forms (Kathakali and Manipuri) to cater to the taste of contemporaneity but at the same time retaining and preserving the cultural ethos without any compromise. Obviously, there are several takers of this innovative technique in today's world. In the field of art, the Department of Graphic Art (Printmaking) has incorporated new printmaking Medias in their syllabus curricula which has kept the door open for employability.

Innovation

In view of the fact that our Founder Gurudev Rabindranath was ever-agile in introducing innovativeness in curriculum in the form of open air school, Visva-Bharati never desisted from that path. Innovativeness is the keyword in the curriculum design of almost all subjects, irrespective of stream division viz. Humanities, Science or Fine Arts. Let us take a few examples.

In the Department of Plant Protection, Credit-based semester system has been incorporated for UG, PG and Ph.D students in order to make the course curriculum system more flexible. During the year 2011-12, M.Sc.(Ag.) in Plant Protection syllabus was re-structured as per recent recommendation of ICAR. Some new technologies viz. sustainable management of brinjal fruit and shoot borer in egg plant important insect-pests of rice and management of bacterial wilt in a eco-friendly way has been developed.

In the field of Visual Arts, the Department of Painting has introduced a strong process-based art curriculum leading towards awareness to individual creativity and also translating them to socially relevant art practice. The course curricula in the History of Art has played an important role in redefines the history of early modern Indian art during the last 15 years and contributed significantly to the discourse and modernism and contemporary Indian art.

Research

Generation of research motivation has been the principal area of curriculum design in almost all subjects. While details of research will be available from departmental profile, a few salient points of research as explored in designing course curricula may be explored.

- a) The Department of Botany explores development of techniques for conservation of biodiversity.

- b) In designing the curriculum of zoology Department, special emphasis has been laid to make the students exposed to the vast biological literature other than text books : To promote research which will open up vistas of new thought in other interdisciplinary fields, the course has been designed in such a way that our students in undergraduate and postgraduate courses receive the best practical training not only in all aspects of zoology but also in other branches of life sciences like Bio-chemistry Cell Biology, Genetics, Ecology, Immunology and learn modern experimental techniques, using sophisticated equipment.

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

The University follows the guidelines of UGC and CSIR for developing and restructuring the curricula. However, in consonance with the concept envisaged by our Founder that Humanities and Science Education should have their meeting points, that there should be a symbiosis of nature and education; that interdisciplinarity should be the keyword in higher education, certain innovative ideas in the form of academic flexibility had been incorporated in our syllabus. As a corollary, a student of Physics Honours may take Music as a subsidiary course.

National impact—

- (a) The infrastructure and course in Glass Technology, introduced recently in Kala Bhavana i.e., Institute of Fine Arts is the first of its kind in India.
- (b) Visva-Bharati is the pioneer in introducing PG and Doctoral Courses in Environmental Studies and Climatology and accordingly the curricula has been widely followed elsewhere subsequently.
- (c) Full fledged Under Graduate and Post Graduate Courses, leading up to Doctoral Degree in ‘Rabindra-Nritya’ i.e. Dance based on Tagore from the current academic session 2014-15, to set a concrete standard of this particular dance form, hitherto unexplored, generating thereby long lasting impact in the arena of creative dance throughout India and abroad has set an example in national arena.

The introduction of a ‘Centre for Esraj’ in Sangit Bhavana i.e. Institute of Dance, Drama and Music in 2013 is another such path-breaking event and its curriculum formulated accordingly as this is the first-ever centre in Eastern India and presumably abroad.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

Interaction with industry:

- a) Silpa-Sadana i.e. the Institution of Cottage Industries makes regular interaction with branded industrial outlets like Fab India and Aurobindo Mills etc. for marketing and technical know-how.
- b) Palli Siksha Bhavana i.e. Institute of Village Education interact with Fertilizer Companies and others for production-related titbits.

Research Bodies:

A few Science Departments especially Zoology has entered in mutual cooperative tie with research institutions e.g. A MoU between Visva-Bharati and Defence Research Laboratory, Tejpur (DRL) Assam has been signed for the promotion of Academic and Research and Development programmes in the areas of Science and Humanities.

Civil Society:

- a) The Department of Social Work makes regular interaction with the people emerging from various stratas of society to identify the problems which appear as impediments to the growth and development of the society.
- b) Talks and interactive sessions with Social Media and journalists representing the fourth pillar of democracy are regularly organised by Journalism and Mass Communication Department at regular intervals.

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

Not applicable.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

Not applicable.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

*** Programmes taught on campus**

Bhasha-Bhavana(Institute of Languages, Literature and Culture)

| | | |
|-----------------------|-------|------------------|
| B.A.(Hons.) in | i) | Chinese |
| | ii) | Japanese |
| | iii) | Indo-Tibetn |
| | iv) | English |
| | v) | Hindi |
| | vi) | Odia |
| | vii) | Persian |
| | viii) | Sanskrit |
| | ix) | Santali |
| | x) | European Studies |
| | xi) | Bengali |
| B.A. in | xii) | Functional Hindi |

| | |
|---|--|
| M.A. in | i) Chinese ii) Japanese iii) Indo-Tibetan iv) English v) Hindi vi) Odia vii) Persian viii) Sanskrit ix) Santali x) Bengali xi) Functional Hindi |
| Vidya-Bhavana(Institute of Humanities and Social Sciences) | |
| B.A.(Hons.) in | i) A.I.H.C & A ii) Comparative Religion iii) Economics iv) Geography v) History vi) Philosophy vii) Mathematics |
| M.A. in | i) A.I.H.C & A ii) Comparative Religion iii) Economics iv) Geography v) History vi) Philosophy vii) Mathematics viii) Journalism & Mass Communication ix) Anthropology |
| Siksha-Bhavana (Institute of Science) | |
| B.Sc.(Hons.) in | i) Chemistry ii) Physics iii) Mathematic iv) Statistics v) Computer Science vi) Botany vii) Zoology |
| M.Sc. in | i) Chemistry ii) Physics iii) Mathematic iv) Statistics v) Computer Science vi) Botany |

| | | |
|--|-------|---|
| | vii) | Zoology |
| | viii) | Environmental Studies |
| | ix) | Biotechnology |
| M.Sc. in | x) | Physical Science (Five-Year Integrated) |
| Sangit-Bhavana(Institute of Music, Dance & Drama) | | |
| B.Music(Hons.) in | i) | Rabindra Sangit |
| | ii) | Manipuri Dance |
| | iii) | Kathakali Dance |
| | iv) | Rabindra Nitya |
| | v) | Drama & Theatre Arts |
| | vi) | H.C.M.(Vocal) |
| | vii) | H.C.M.(Sitar) |
| | viii) | H.C.M.(Esraj) |
| | ix) | H.C.M.(Tabla) |
| | x) | H.C.M(Phakhawaj) |
| M.Music in | i) | Rabindra Sangit |
| | ii) | Manipuri Dance |
| | iii) | Kathakali Dance |
| | iv) | Rabindra Nitya |
| | v) | H.C.M.(Vocal) |
| | vi) | H.C.M.(Sitar) |
| | vii) | H.C.M.(Esraj) |
| | viii) | H.C.M.(Tabla) |
| | ix) | H.C.M(Phakhawaj) |
| Kala-Bhavana(Institute of Fine Arts) | | |
| B.F.A.(Hons.) in | i) | Painting |
| | ii) | Graphic Art(Print Making) |
| | iii) | Design (Ceramic & Glass) |
| | iv) | Design (Textile) |
| | v) | History of Art |
| | vi) | Sculpture |
| M.F.A. in | i) | Painting |
| | ii) | Graphic Art(Print Making) |
| | iii) | Design(Ceramic & Glass) |
| | iv) | Design (Textile) |
| | v) | History of Art |
| | vi) | Sculpture |
| Palli Samgathana Vibhaga(Institute of Rural Reconstruction) | | |
| | i) | B.S.W(Hons.) |
| | ii) | M.S.W. |
| | iii) | M.A. in Rural Development |
| | iv) | B.Des. |

Palli Siksha Bhavana(Institute of agriculture)

- i) **B.Sc.(Ag.) Hons.**
- ii) **M.Sc.(Ag.) in**
 - a) Agronomy
 - b) Horticulture
 - c) Social Science & Agricultural Chemistry
 - d) Plant Protection
 - e) Agriculture Extension

Vinaya-Bhavana(Institute of Education)

- i) **B.Ed.**
- ii) **B.A/B.Sc.(Hons.) in Physical Education**
- iii) **B.P.Ed.**
- iv) **M.P.Ed.**
- v) **M.A. in Education**

*** Overseas programmes offered on campus**

In consonance with UGC guidelines, overseas programmes cannot be offered on campus.

*** Programmes available for colleges to choose from**

N.A.

1.2.2 Give details on the following provisions with reference to academic flexibility**a. Core / Elective options**

Interdisciplinarity is maintained at the institute level. Flexibility in choice of elective subject irrespective of core discipline has been accepted in principle and efforts are on to implement it in practice. A science student can opt for painting as an Elective Option while a student of Humanities with English Honours can opt for a science Elective subject.

b. Enrichment courses

Since the University believes in the Upanisadic hymn – *sā vidyā yā vimuktaye* “that which liberates is knowledge” a few enrichment courses add to the laurel of the institution.

i) Tagore Studies:

With a view to enlighten students about the Founder of the University and his myriad minded creativity, Tagore Studies Course divided in two Semesters and a Credit Course is slated to enrich the First Year Under Graduate students, irrespective of their streams.

c. Courses offered in modular form

The University has adopted Semester system in all disciplines. A few Departments like Bengali in Humanities, Journalism and Mass Communication in Social Science, Physics, Chemistry and Environmental Studies in Science, Silpa Sadana in Bachelor in Design or B.Des. Course had already introduced modular form in course curricula. Other Departments in various institutes are already in the process of implementing modular form.

Example:

**M. Sc. Semester-I
Theoretical
CH 701: Inorganic Chemistry (Core)
Full Marks: 50 (40 + 10); Credit point: 4**

1. **Coordination Chemistry-bonding, stereochemistry and structure (13L)**
Symmetry and Isomerism; Ligand field theory and molecular orbital theory; nephelauxetic series, structural distortion and lowering of symmetry, electronic, steric and Jahn-Teller effects on energy levels, conformation of chelate ring, structural equilibrium, magnetic properties
 2. **Complexes in aqueous solutions (12L)**
Metal ligand stability constant and its controlling factors, different tools of study (pH-potentiometric, polarographic, spectrophotometric, volumetric) and methods of measuring stability constants of complexes, Bjerrum half α method, stability of mixed ligand complexes and calculations, determination of composition (Jobs, mole ratio and slope ratio methods), evaluation of thermodynamic parameters
 3. **Molecular magnetism-I (13L)**
Basic concepts of magnetism, magnetization and magnetic susceptibility, Types magnetic behavior (dia-, para-, ferro-, ferri- and antiferro-) and their temperature dependence, Curie and Curie-Weiss laws, temperature independent paramagnetism, Pascal's Constants and its utilities, Determination of χ_M in solution, Usefulness of μ_s and μ_j equation respectively for transition and inner transition series, Van Vleck's equation and its applications, spin-orbit coupling, zero-field splitting, quenching of orbital angular momentum, High-spin/Low-spin Equilibrium, types of exchange interactions
 4. **Electronic spectra of transition metal complexes (12L)**
Russel-Saunders (R-S) terms-Inter electronic repulsion parameters (B), Splitting of R-S Terms in Different Geometries, Orgel and Tanabe Sugano diagram, Selection rules for spectral transitions, calculation of Dq, B and β parameters, Different types of d-d bands and their assignment, Charge transfer bands
- d. Credit accumulation and transfer facility**
This process has been initiated in Kala Bhavana (Institute of Fine Arts) which accommodates a good number of foreign students. Recently a few student of Kala Bhavana had the opportunity to get their credit accumulated in a similar course of an University of France in 1st year. The credit is transferred to the parent university course and due weightage has been accorded to their performance in the foreign university where they pursuit their studies in accordance with a Memorandum of Understanding signed with that university name.
- e. Lateral and vertical mobility within and across programmes, courses and disciplines**

The university encourages lateral and vertical mobility within and across programmes and courses.

Lateral mobility in course:

- i) A student of Physics Honours can opt for History of Art as subsidiary which tantamount to lateral mobility in respect of Science to Visual Arts.
- ii) A student of History Honours can opt for Rabindranritya – Tagore dance as subsidiary – in this case lateral mobility from Humanities to Fine Arts.

Vertical mobility in programme:

- i) The university allows graduate with History Honours to get admission to Post Graduate course in Anthropology.
- ii) A Botany Post Graduate student is permitted to pursue Ph.D in Biotechnology.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

In tune with the motto of the University i.e. “Where the world unites in one nest” and the vision of our Founder Gurudev Rabindranath Tagore who epitomizes internationality, Visva-Bharati has a well-structured policy for attracting international students – a policy which is religiously followed.

Apart from regular courses of the University which any foreign student is eligible to join there are certain courses designed exclusively for foreign students. To offer a glimpse of Indian art, culture, music and classics – both in ancient and contemporary perspective as well as a bird’s eye view of Rabindranath and his myriad-minded creativity, there is a provision for one year course for foreign casual students who have cleared Higher Secondary Examination or its equivalent. The courses are offered in the following subjects:

- a) A survey of Indian History and Culture
- b) Modern Indian Culture with special reference to Rabindranath and Gandhi.
- c) Ancient Indian Philosophy and Culture
- d) Bengali/Hindi/Odia/Tibetan/Sanskrit language and literature
- e) Rabindra Literature
- f) Indian Classics
- g) Rabindrasangit i.e. Tagore Song
- h) Dance
- i) Hindustani Classical Music (Vocal or Instrumental : Sitar/Esraj)
- j) Indian Art (Painting) Sculpture/Graphic Art/Design (Textile)/Design(Ceramic)
- k) History of Art

The University also encourages foreign students for initiating research as per their choice. Short term fellowships are also offered to foreign students to pursue research in a particular field. Mention may be made of a young Mexican scholar who came to Rabindra Bhavana with a view to pursue research on the affinity of Goddess Kali of Indian pantheon with an identical figure of Mexican belief.

Incidentally, it may be mentioned here that 15% of intake capacity is made available for international students as supernumerary seats.

These courses designed for foreign students are fairly successful in the sense that Visual and Fine Arts Departments could attract a sizable number of foreign students.

In this context, it may be mentioned here that the offer of Institute of International Education (IIE) in the form of a complimentary one-year membership, to participate in its various activities and to share its programmes and scholarly reports, directed towards promoting internationalization of education, has been approved by our Academic Council with a view to cultivate international understanding which will draw foreign students more in number.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

Of the aforementioned courses pertaining to Music, dance and painting are special favourites of foreign students. The courses in literature and philosophy do not appear to be that attractive because of their theoretical tone.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

Since Kala Bhavana i.e. Institute of Fine Arts has several MoUs with foreign Universities, the process of dual degree and twinning programmes has been initiated in Kala Bhavana.

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Instead of self-financing programmes the University has resource generating programmes viz. the Department of Journalism and Mass Communication. Apart from fee structure, admission procedure, salary and teacher qualification are at par with those of aided regular programmes.

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

The University attempts to bring about a fruitful synthesis of both conventional and distance mode of education by taking advantage of modern technology i.e. through sending e-mails to the students exploring the course curricula and its significance, by inviting assignments and explaining the quality improvement that can be effected in them.

While following conventional face-to-face mode, ample opportunity is offered to students to select and combine the courses as per their choice through counselling

at the time of admission, distance mode through e-mail is also adhered to ascertain the opinion and choice of the students.

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

The University has adopted CBCS in all nine Departments of Science and two Centres viz. Mathematics Education and Integrated Science Education and Research : Kala Bhavana i.e. the Institute of Fine Arts and a few Humanities Departments including Journalism and Mass Communication have adopted this system.

The University is an unitary institution and does not have affiliated college.

1.2.9 What percentage of programmes offered by the university follow:

- * Annual system
- * Semester system
- * Trimester system

Semester System has been adopted by the entire University, irrespective of their departmental affiliation.

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

Interdisciplinarity is the keyword in designing the courses and curricula of the University since its inception as our Founder Gurudev Rabindranath believed in the efficacy of interdisciplinarity system and tried to implement it in the course curriculum. In the present context, a few examples of interdisciplinarity in our programmes may be cited to substantiate our point:

Culture Studies –

- a) M.Phil and Ph.D course curricula in Culture Studies incorporate elements of Visual Art, Film Studies and Media representation.
- b) Bachelor in Design (B.Des.) Course in Silpa-Sadana.

This fulltime Four Year (8 Semester) professional Degree course with specialisation in:

- i) Pottery-Ceramics and Lifestyle Products
- ii) Furniture and Lifestyle Products
- iii) Textile and Accessories

includes components of other disciplines in their syllabus:

i.e. in **Semester-I** –

FI/103 Applied Science I (Mathematics and Statistics) – 5 Marks

FI/104 Computer Basic – 3 Marks

FI/107 Visual and Cultural Studies – 5 Marks

Semester-II

FII/03 Applied Science-II (Physics, Chemistry and Mathematics) – 4 Marks

FII/06 Material Science – 4 Marks

Semester-III

FIII/02 Aesthetic Skills – 5 Marks

FIII/06 Rural Studies – 3 Marks

The Centre for Comparative Literature also encourages interdisciplinarity by incorporation in its syllabus feminist literary criticism (an area of Women's Studies) and cultural critique of Indian and world literatures.

Secondly, interdisciplinarity is maintained in our programmes too. A Centre for Research on Rabindrasangit and another based on Tagore drama is run concomitantly by Rabindra Bhavana and Sangit Bhavana.

Outcome:

These interdisciplinary programmes are extremely fruitful as they represent fusion of creativity of both disciplines and being complementary to each other, they open up new vistas of research and penetrating overview.

1.3 Curriculum Enrichment**1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?**

In tune with the changing scenario pertaining to the national and global situation and in the area of innovativeness of knowledge, the curriculum of the university is reviewed and upgraded.

In the Department of Chemistry, during the last five years the PG Course has been re-structured twice and several new and relevant disciplines e.g. Green Chemistry, Nanotechnology, Material Science, Renewable Energy and Computational Courses in our Ph.D curriculum has been introduced.

The PG degree curriculum in Journalism and Mass Communication introduced in 2003-04, has undergone major changes with increasing thrust on all the media tools, ranging from print to electronic, from broadcasting to narrow casting from the very beginning. Initiation to the practicalities of communication is early, so that the absorption is complete.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.* **Inter-disciplinary*** **programmes in emerging areas****Undergraduate Courses:**

a) Santali in Bhasha Bhavana – 2009-10

b) Bachelor in Design (B.Des.) under Silpa Sadana (Institute of Industry), Palli Samagathana Vibhaga – 2009-10

c) Rabindranritya in Sangit Bhavana – 2014-15

d) Modern European Languages, Literatures and Cultural Studies (French or Russian or German or Italian under Bhasha Bhavana) – 2014-15

Postgraduate Courses :

- a) Santali (under Bhasha Bhavana) – 2009-10

Inter-disciplinary

All these newly introduced courses are inter-disciplinary in nature e.g.

- a) Both Undergraduate and Postgraduate courses in Santali have been framed in such a way as to show its relation with other Indian languages viz. Bengali, and also to trace its evolution from the indigenous source.
- b) The curricula of B.DES substantiates its strong interdisciplinary component as already shown in our answer to 1.2.10.
- c) Rabindranritya is not simply a dance-centric course but it is inherently related to other forms of Indian classical dance viz. Bharatnatyam, Manipuri, Kathakali and needless to say with Tagore song and literature as essential components.
- d) Modern European Languages, Literature and Cultural Studies course suggests by its very name absolute interdisciplinarity in approach covering the entire gamut of modern European languages.

Programmes in emerging areas –

All the newly introduced courses fulfil the requirement of newly emerging areas of knowledge.

Santali has been recognised as a major language of India and as such the introduction of Undergraduate and Postgraduate courses in a Central University are in tune with the need of the day.

Bachelor in Design (B.DES) course has been structured in such a way as to make a student conversant and skilled in Lifestyle Products in Pottery, Ceramics, Furniture and Textile and Accessories enabling him/her to gain a foothold in the current emerging world of design cemented by fashion and technology.

Rabindra-Nritya is another such emerging area which caters to the long-cherished requirement of a structured course in Tagore-dance which is yet to take its final shape in both theoretical and practical parlance.

1.3.3 What are the strategies adopted for the revision of the existing programmes?

The following strategies are adopted:

- a) When a Department feels the requirement of revision of existing programmes or for introduction of a new curriculum or for implementation of a particular curriculum allied to the existing programme, the matter is discussed along with its pros and cons in the Departmental Committee, attended by all faculty members of that particular Department.
- b) In case of a general consensus of opinion, the matter comes up for discussion in the meeting of Board of Studies where external members play a major role in expressing their unbiased opinion about the proposed revision of the curriculum.
- c) If the faculty members and experts agree at least in spirit about the proposed revision, then the recommendation of Board of Studies along with modification if any, is placed in the meeting of Academic Council a much larger body comprising of all Directors, Principals, Professors, External members and

chaired by Vice-Chancellor. The proposed revision is discussed in details and if approved, is finally accorded formal shape.

What percentage of courses underwent a syllabus revision?

With the introduction of Semester system in 2011, all courses underwent syllabus revision excepting Agriculture and Ancient Indian History and Archaeology as they were conducting Semester system from before.

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

Tagore Studies is a major value-added course which is offered by the University to inculcate moral values and ethics, enunciated by our Founder Father Gurudev Rabindranath Tagore. This course is based on excerpts from Tagore's articles wherein an attempt had been made by the author to give a concrete modern approach to the moral tenets imbibed by Rabindranath from ancient Indian spiritual texts viz. the Upanisads. This course also highlights the myriad-minded creativity of Tagore right from his adolescence into blossoming of efflorescence of the great poet and philosopher.

The University has made this value-added Tagore Studies course mandatory for all 1st Year students, irrespective of their stream and discipline.

Apart from this course, M.Phil and Ph.D courses in Culture Studies have a strong value component emphasizing Tagorean concept of value and the eternal values which have nourished and nurtured the human civilization for centuries.

Postgraduate course in Journalism and Mass Communication has a 'Heritage and Culture' component which also emphasizes our Indian value system as enshrined in our heritage.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Several Departments have implemented Skill Development Programmes with the avowed objective to make the people skilled enough to earn their own living in however crude form they might be: This is in tune with the concept of our Founder who always intended to make people self sufficient in their own fields. Obviously some are in consonance with the guidelines of National Skill Development corporation and others while a few are deigned by the university to fulfil the demand of the neighbourhood.

The dept. of crop Improvement, Horticulture and Agricultural Botany (CIHAB) initiated the following skill development programme.

- a) A hands on training in Horticulture was conducted at Horticulture Farm of Department of Crop Improvement, Horticulture & Agricultural Botany (CIHAB) for the Casual Workers of the university for their skill development during August'2013.

- b) Faculties of the department delivered lectures in different training programme organized by Rathindra Krishi Vigyan Kendra (RKVK), Palli Siksha Bhavana and other Government and Private organizations on different aspects of 'Horticultural Technology' like production of fruits, vegetables, plantation crops, spices, flowers including post harvest technology as skill development programme for growers, unemployed youth and women.
- c) A considerable number of interview based Television (Doordarshan) and Radio (Akashvaani) Programme on different aspects of 'Horticultural Technology' have been performed by different faculties for the growers and farmers.
- d) All the faculty members of Horticulture section of the department are engaged with 'Rural Agricultural Works Experiences' programme of B. Sc. (Agriculture) students which is a major skill development programme at under graduate level.

1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes, the university has a formal mechanism system to obtain feedback from the students regarding the curriculum and it is used to improve the curriculum in several ways. We may cite the instance of Palli charcha Kendra. Since the Department is channelizing their efforts to establish it as an academic discipline by developing a course structure and the syllabus which will produce students with a strong basic theoretical knowledge of related core subjects and also to apply the subjects in the real world situations, the students are continuously interacting with the rural people and providing this feedback to the faculty. This feedback from the students is utilized by the faculty and other peers to assess the changing rural scenario and formulate project for rural upliftment. Thus the feedback from students serves as a tool to improvise the curriculum and also to make the curriculum a well-blended mix theory and practice.

To seek feedback from students is a general phenomenon of academic practice of the university. This feedback is generally obtained from interactive meetings involving students and faculties, seeking intervention of illustrious alumnus as well as from other stake holders.

The feedback received from students and others are analysed in departmental meetings and the plausible modification, revision on thorough change of the curriculum figure in the deliberation after giving due weightage to this feedback.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

It is our proud privilege that alumni of Visva-Bharati are occupying coveted posts throughout the globe. Apart from that, we have nationally and internationally

reputed scholars as Adjunct Professors. Professor Emeritus and Scholars in Residence. Hence we have the opportunity to get their feedback and valued opinion about curriculum orientation, inclusion of contemporary and relevant topics and out looks in the syllabus and application of current technological innovation in making the curriculum more relevant in the contemporary perspectives.

The University organises regular workshops, seminars and online discussions to receive opinion from eminent academicians nationally and internationally acclaimed scholars in various disciplines. For instance, the Department of Journalism and Mass Communication in collaboration with FES, the renowned German foundation has arranged an international conference in 2014 to seek feedback from national and international scholars on one of the most important upcoming issues of the curricula **crony Journalism**.

A workshop by Bettino Fracchetti from Florence, Italy was organised on Mixed Media in 2013 by the Department of Sculpture to give vent to the idea of improvisation in the curricula

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

Not applicable.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?

To maintain quality sustenance and implement quality enhancement of the curricula the University has adopted the following measures.

- a) For effective sustenance, well equipped and dynamic faculty members with national and international exposures and specialization on diverse areas are utilised to its utmost.
- b) By introducing effective curriculum with updated syllabus including elective and special papers on contemporary topics.
- c) Well equipped departmental library in order to ensure students easy access to required study material for quality sustenance of the curricula.
- d) By seeking opinion and suggestion from well acclaimed academicians as to the sustenance and development of curricula.

Any other information regarding Curricular Aspects which the University would like to include.

These are certain salient features which makes Visva-Bharati not only different from other universities but also unique and almost unrivalled with shining brilliance. In V.B. students are not simply confined within the four walls of the classroom nor is their training restricted within the dry pages of books. Functions and festivities which are embedded in nature like plantation of saplings, spring

festival or a few others which accord credence to harvest and harvesters (the ploughing of the Hala) or functions which eulogise the beauty of nature in different cycles, not only adds colour to the Curriculum but also forms and integral part of the curriculum with a view to make the students conscious and appreciative of the surrounding world and various groups of people encircling us. The concept of 'ideals' man as envisaged by our founder here finds its fruition and makes it unique in the truest sense of the term.



Tagore as teacher

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

To ensure foolproof transparency as well as to give publicity to the admission process, the University adopts the following measures.

In graduation level

- a) Advertisement seeking applications for admission in various subjects under different Bhavans and Schools is put up in the university website. Requisite marks and number of seats are also well defined.
- b) A national eligibility test is conducted in various centres of India.

- c) Merit list is published based on performance with strict adherence to rules and regulations related to SC, ST and OBC reservation.
- d) Finally selected candidates are called for interview and counselling.
- e) The list of selected candidates, eligible for admission is finally put up in the website.

The entire process ensures both publicity and transparency.

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

The process of admission discussed in 2.1.1

Criteria for admission at all stages U.G., PG, M.Phil and Ph.D

Merit, Entrance Test and Interview.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

Not applicable.

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The University is indeed keen to review its admission process and student profile: A high profile committee, constituted by the Vice chancellor, Visva-Bharati and headed by the Vice-chancellor of Calcutta University, examined in details the admission process and submitted its report which incorporated suggestions and innovative comments. This report was sent to Principals of all Bhavanas and HODs of various departments for their opinion. These opinions were analysed and put into a concrete shape by the University. The recommendations of the committee along with the comments of University academia was placed in Academic Council and after a prolonged discussion, the admission process was finalised for 2014-15.

In post admission stage, the student profile once again came under review in a meeting, chaired by Vice-chancellor. It was pointed out that students emerging from SC, ST and other economically disadvantaged strata did very well in the admission test. It is also a matter on record that students from all over India were admitted thus fulfilling the concept of "Yatra Visvm bhavati ekanidam" (Where the world meets in one nest).

The outcome of such an analysis: The analysis was indeed fruitful in the sense that it advised for introducing more examination centres in various parts of India with a view to accord this central University a more national character as it will invite more students outside the periphery of Bengal. Obviously it has contributed to the improvement of the process.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

*** SC/ST, OBC**

- a) The Reservation policy in case of admission as stipulated by Government of India rule is strictly followed
- b) In tune with UGC guidelines, remedial classes were held to cater to the academic requirement of these students.
- c) Hostel fees is waived for these students.
- d) Preference is accorded to these students in case of any vocational training course in order to make them self sufficient.

*** Women**

Apart from encouraging girl students in and outside class room, a few facilities are provided to women.

- a) In sport activities, exclusive change room and special toilet are always kept for women participants.
- b) Women coaches have been appointed to incentivize students.
- c) A judo course for girl students has been introduced recently to combat any untoward advance from anti-socials.

*** Persons with varied disabilities**

- a) Special care is taken of all such students. All students with disability are provided with tricycle for their mobility within the university campus.
- b) Brail system of learning is introduced in the library for students with disability in eyesight.
- c) In most of the Bhavanas, ramp facility is provided to assist the disabled students.

*** Economically weaker sections**

Fellowships and scholarships are awarded to help them manage their academic need.

*** Outstanding achievers in sports and other extracurricular activities**

- a) There is a sports quota in admission for outstanding sports performers.
- b) Tracksuit and Blazer are offered to outstanding sports performers.
- c) Prizes are awarded in the Annual function.
- d) For achiever Sports Team, felicitation is awarded in the annual function.
- e) Preference is given to outstanding students in both sports and other extracurricular activities in distribution of Students Aid Fund money.
- f) During sports activities, calorie diet is offered to sports performers.

2.1.6 Number of students admitted in university departments in the last four academic years:

| Categories | Year 2010-11 | Year 2011-12 | Year 2012-13 | Year 2013-14 |
|------------|--------------|--------------|--------------|--------------|
|------------|--------------|--------------|--------------|--------------|

| | Male | Female | Male | Female | Male | Female | Male | Female |
|---------|------|--------|------|--------|------|--------|------|--------|
| SC | 589 | 326 | 616 | 347 | 649 | 313 | 719 | 368 |
| ST | 204 | 128 | 237 | 122 | 239 | 127 | 247 | 150 |
| OBC | 500 | 223 | 569 | 273 | 711 | 356 | 898 | 482 |
| General | 1819 | 1563 | 1847 | 1620 | 1706 | 1624 | 2102 | 1829 |
| Others | 212 | 90 | 234 | 117 | 330 | 195 | 355 | 174 |

- 2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease. As on 30/09/2013**

| Programmes | Number of applications | Number of students admitted | Demand Ratio |
|----------------------------|------------------------|-----------------------------|--------------|
| UG | 13300 | 3091 | 4.3:1 |
| PG | 6600 | 1959 | 3.3:1 |
| Integrated Masters | 382 | 48 | 8:1 |
| M.Phil | 272 | 82 | 3.3:1 |
| Ph.D | 2072 | 1235 | 1.7:1 |
| Integrated Ph.D | 11 | 5 | 2:1 |
| Certificate | 842 | 363 | 2.3:1 |
| Diploma | 78 | 17 | 4.5:1 |
| PG Diploma | 3142 | 1884 | 1.6:1 |
| Any other (please specify) | | | |

- 2.1.8 Were any programmes discontinued / staggered by the university in the last four years? If yes, please specify the reasons.**

No programme was discontinued.

2.2 Catering to Student Diversity

- 2.2.1 Does the university organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

In the first slots, the University organizes induction programmes in various phases. The Vice-chancellor addresses the students and explains in a nutshell the values the University stands for.

Issues Covered: In these programmes, the vision and mission of the University, the concept of education as envisaged by Tagore and its relevance in contemporary world, Tagore's concept of holistic education these issues figure in the speech of the Vice-chancellor.

Then follows an interactive session with students.

Duration: 2 hours approximately.

2) The Departments send their students to Rabindra-Bhavana, the largest repository of Tagore-related treasures for introduction to Tagore ambience in Uttarayana complex. They are usually addressed by Director, Rabindra-Bhavana who explains to them Tagore and his family, myriad-minded activity of Tagore the values inculcated by Tagore in his education system etc. The students are shown the five houses in Uttarayana which were inhabited by Tagore during the last phase of his life.

This year, in the mandatory Tagore Studies programme for 1st year Undergraduate students, the Vice-chancellor addresses the first class to narrate his impression of Tagore and Visva-Bharati.

Mechanism: The students during interaction express their feedback which helps the University authority to devise strategy for improvement of such programme.

2.2.2 Does the university have a mechanism through which the “differential requirements of the student population” are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

In a country like India where a vast milieu of population still belongs to below poverty line strata, it is obvious that the requirements of the students also vary both from financial and academic angles. Following the footsteps of our founder who always believed in the upliftment of down trodden and elevation of their socio-economic status, the University has formulated a straight-jacket policy for assessing students requirements which are obviously not identical in nature, but which should be taken care of in the larger interest of students. As such, the University has adopted the following measures.

- a) Initial counselling of students is held in all departments. This helps the faculty to identify and locate the problems faced by the students community at large and individual in particular.
- b) In case of financial constraints faced by the students, the University offers financial package in the form of offering free ships, scholarships and other economic benefits.
- c) In case of academic deficiencies the faculty takes special care in the form of special counselling sessions, so as to make them quite comfortable in the University setup.
- d) The students are also made aware of the menace of ragging and how to combat it.

In short, all plausible steps to take note of students requirements are adopted. Furthermore these measures also update our knowledge about socio economic and environmental conditions of the surrounding society and this know how may also be used to formulate a data base of the students.

2.2.3 Does the university offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

The University offered remedial courses for a academically disadvantaged and SC/ST students in the following subjects.

In humanities:

- a) Bengali, English, Hindi, History, Ancient Indian History
- b) Social Work.
- c) Science: Most of the faculty members in each department are involved in this exercise. These courses are usually an aged in the late hours and more specifically according to the advantage of the teacher and the taught.

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

Despite the absence of a comprehensive data based study, some work has been done to assess the growth rate of marginalised students as a whole. It is indeed encouraging to note that the students emerging from the so called disadvantaged Sartre are more focussed in their performance. As the university offers scholarships and free ships for disadvantaged to quell their economic hardships, they are in a position to make it up. The university also offers assistance in some from or other to the physically handicapped by offering them mobile chairs etc. Obviously this has an impact on the psyche of the students and an impetus to overcome their shortcomings.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

The University identifies the learning needs of advanced learners through class introduction, tutorials and counselling.

Actions taken:

- a) The University analyses special classes to promote the advanced students.
- b) Regular counselling is also held to make them fit for advanced studies in India and abroad.
- c) The Placement Assistant Cell (PAC) also helps the meritorious students to get befitting position.

2.3 Teaching-Learning Process

2.3.1 How does the university plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

The University has chalked out the teaching, learning and evaluation schedule meticulously.

Academic Calendar:

The University has a detailed academic calendar along with evaluation blue print which shows the proposed examination schedule for the academic session. This has three components: a) Name of Examination, b) Fee Submission dates, c) All processes regarding the commencement of the examination should be coupled along with date of the examination.

In the prospectus too, relevant information about academic schedule are mentioned viz.

a) Classes begin as soon as the admission is over. Certificate and Diploma Courses In Language, Music etc. however usually begin later.

b) The University has summer vacation of thirty days from mid May- mid June and Autumn.

Recess of fifteen days during October-November.

Weekly Holidays- Wednesday and Sunday.

Every Department has its own **Teaching Plan**, divided in various modules: For instance, Semester wise distribution of courses and credit hours in B.Sc Agriculture Honours course is given below.

| Course Code | Name of the Course | Course structure (credits) | | |
|-------------|---|----------------------------|-----------|-------|
| | | Theory | Practical | Total |
| Semester-I | | | | |
| ACB 111 | Biochemistry | 2 | 1 | 3 |
| AGR 111 | Introductory Agriculture | 1 | 0 | 1 |
| AGR 111 | Principles of Agronomy and Agricultural Meteorology | 2 | 1 | 3 |
| CMA 111 | Introduction to Computer and Applications | 0 | 2 | 2 |
| HOR 111 | Production Technology of Fruit Crops | 2 | 1 | 3 |
| PPC 111 | Agricultural Microgiology | 2 | 1 | 3 |
| SSC 111 | Introduction to Soil Science | 2 | 1 | 3 |

2.3.2 Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

The University provides course outlines and course schedules in Visva Bharati website at the time of publication of admission notification.

The effectiveness of the process is ensured as the students seeking admission can opt for a particular course with at least rudimentary knowledge about the course content.

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

The University is strictly following the time schedule stipulated for academic curricula. The working days have been increased. Even on days of festivity, academic schedule is hardly interrupted. As such the course curricula in almost all subject is completed within scheduled time frame.

In cases of major impediment to the work schedule, special care is undertaken by the university in arranging extra classes, in allocating teaching faculty to compensate disruption of class schedule and consequent impediment in completion of the curriculum, if any.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improve student learning, besides facilitating life-long learning and knowledge management.

In consonance with the concept of our founder Gurudev Rabindranath who always believed that it is the student whose holistic development or so to say in rendering him into a complete man is the be all and end all of education the entire teaching-learning process in Visva-Bharati is student-centric. In our schools Patha Bhavana and Siksha Satra, open air education where students are encouraged to have their first lesson from nature is still practised and the students are given full liberty to nurture themselves with joy and mirth.

In undergraduate and post graduate levels too, learning is made students-centric through regular interaction and counselling aimed to assess the requirement, the choice, the aptitude of the students. In Visva-Bharati, participatory learning is practised since its inception and as a matter of fact it has become part of the curricula in at least a few major subject. It has been declared in Visva-Bharati ordinance that B.Sc. (Ag.) Honours Course will consist of six semesters of intramural teaching followed by one semester of Experiential teaching and another semester of Rural Awareness Work Experience (RAW). The Journalism and Mass communication Department also includes “method for advertising communication and retrospective scenario building.”

Participatory learning activities:

- a) The students are invited for interaction with faculty on course material.
- b) The students are invited to present talk, seminar paper on any topic as per their choice.
- c) In cases where dissertation presentation on behalf of the students is part of the curricula, the students are given absolute liberty to choose the topic.
- d) The students can opt for any elective irrespective of any consideration, related to their core subjects.
- e) Extracurricular activities are always encouraged to provide students absolute freedom to pursue their creative endeavour.
- f) The functions and festivities which constitute a major part of our curricula offer students scope and opportunity to pursue their creative ability. These

participatory learning activities are all aimed to provide a student much space for holistic development.

The University has an exclusive Department of lifelong learning and Extension designed by our founder. Tagore stood for holistic development covering all aspects of prosperity of rural life like improvement of agriculture, education, health, livelihood and handicrafts etc. Keeping parity with the present situation, this Department is encouraging its students not only to become self-reliant but also to assist villagers to adopt cooperative way of living with integration, local initiation, local leadership and local self governance in every aspect of public life.

2.3.5 What is the university's policy on inviting experts/people of eminence to deliver lectures and/or organize seminars for students?

The University has a well-defined policy of inviting experts to deliver lectures, talks in seminars, symposiums and workshops with the avowed objective of dissemination of knowledge among the students community. For instance, Rabindra-Bhavana organises a lecture on Tagore and his creativity on last Sunday of every calendar month in 'Rabindrprabaha' series. The University has '**Study Circle**' which invites eminent speakers of national and international repute to deliver talk on any relevant topic.

In a week-long programme to pay our tribute to our founder starting from the day of his demise 9th May, invited speakers discuss at length on various aspects of Tagore. Apart from these regular programmes, each department organises seminar where speakers from all over the world are invited for deliberation.

The University invites 'Scholars in Residence, Emeritus Professors, Visiting Professors for advancement of learning.

Scholars in Residence– Three; **Emeritus Professor**– one; **Adjunct Faculty**– Three; **Visiting Professor**– Eight.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

In tune with the cry of the day, the university has clearly adopted e-learning methods which include use of computers, power point presentation, over head projectors and other technological devices to complement traditional mode of teaching.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

The University makes utmost use of the modern technical equipments in teaching learning process. To name a few:

- a) e-learning through computer aided system.
- b) Teleconferencing with scholars and over the globe.
- c) Skype method of communication.
- d) Multimedia devices.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

The faculty involved in Department of Computer Science and more distinctly the computer Centre, are monitoring the use of Free and Open Source Software Packages for faculty of the University.

The benefits accrued from this community unravel the window of higher knowledge to all. As such the benefits viz. easy access to higher knowledge etc. are incorporated in the academic process of the University.

2.3.9 What steps has the university taken to orient traditional classrooms into 24x7 learning places?

The University has taken several steps to implement this–

- a) The library remains open day and night throughout the year except three public holidays.
- b) Kala-Bhavana and Science Departments keep their laboratories open day and night except public holidays.

However traditional class rooms are yet to be converted into 24x7 learning places.

2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

The University is concerned about academic and mental stability and well being of the students. Hence the following methods have been adopted.

- a) Frequent counselling of students to assess their requirement, their problems if any and to find out the remedial measure.
- b) **For psycho-social guidance** In order to maintain a healthy mental set up of the students and to combat the various psychological issues confronted by students, the university has established a students counselling centre where psychologist counsels the students on regular basis. The counsellor visits the university twice a week and helps the student with mental discomfort to overcome them.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

The methods used by the faculty:

- a) PowerPoint Presentation
- b) Audio-visual method.
- c) Use of multimedia in teaching deliberations

- d) Through practical based project work, field study.
 - e) Sensitizing the students with the contemporary issues and problems in the respective field area and assisting them to find out solutions.
 - f) In suitable cases, including entrepreneurship skill through introduction of experiential learning courses.
 - g) A few Departments offer e-courses too.
- For instance, Palli Siksha Bhavana offers three e-courses on Disaster Management Research Ethics and Intellectual Property Rights compulsorily to all P.G Students.

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

Visva-Bharati creates and nurtures atmosphere of creativity since school stage. The two schools Patha Bhavana and Siksha Satra which are embedded in the academic system of the University has **Nature Study** as a course component with a view to make the students conversant and connoisseurs of beauty and utility of nature. The '*Sahitya Sabha*' or literary meetings inculcates literary flavour among the young learners. The concept of *Ashram Sammilani*, promulgated by our founder instils a spirit of self-reliance and fraternity for other students.

At a later stage to promote creativity in literature, fine arts and visual arts, students are encouraged to participate in bringing out magazines, wall magazines, dance, song and other creative pursuits in all functions and festivities.

Visits to media houses and industries also help to make students aware of the world outside study hours.

For inculcating scientific aptitude, nature study is always encouraged right from the early school stage.

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Student project as a part of Internal Assessment is mandatory for all students at various levels of U.G., P.G. M.Phil and Ph.D. courses of study. Even Tagore Studies course which is compulsory for all undergraduate students has Student Project as a major part of internal assessment where the students are required to submit a project, befitting their curriculum.

*** Number of projects executed within the university**

- a) One major project is taken up by students of Journalism and Mass communication Department each year. The students bring out its training publication (lab journal) "**Visva-Bharati Chronicle**". This offers the budding communicators a real taste of the practical field of journalism. Students also prepare visual and audio news capsules, full fledged films, web projects under the guidance of the experts from the respective field.

- b) Department of Environmental Studies (DES) along with students of Patha Bhavana, Siksha Satra and faculty members of Visva-Bharati is involved in a project, slated to name the different trees of Santiniketan and Sriniketan.
- c) The students and faculty members of DES organised two out-reach programmes on environmental health and sanitation with local village community.

*** Names of external institutions associated with the University for Student Project Work**

Integrated Science:

- a) Institute of Technology–Kharagpur
- b) Indian Institute of Technology Mumbai
- c) Indian Institute of science– Bangalore
- d) Bhava Atomic Research Centre– Mumbai
- e) Tata Institute of Fundamental Research– Mumbai
- f) Defence Research Development organisation– New Delhi.

Biotechnology:

- a) National Institute of Cholera and Enteric Diseases.
- b) Chittaranjan Cancer Research Institute, Kolkata.
- c) Benaras Hindu University– Vranasi
- d) S.S.K.M Hospital, Kolkata
- e) Centre for Cellular and Molecular Biology, Hyderabad,
- f) Jawaharlal Nehru University, New Delhi
- g) Jawaharlal Nehru Centre for Science Research, Bangalore

Department of Environmental Science:

- a) Variable Energy Cyclotron Centre, Kolkata
- b) National Institute of Technology, Durgapur, West Bengal

*** Role of faculty in facilitating such projects**

The faculty of these aforesaid departments always promote and foster these Inter-Institutional student projects to expose the expertise of our students to outside world.

2.3.14 Does the university have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, the university is proud of a band of faculty members who are well qualified in their respective disciplines and are equipped enough to meet the requirement of the curriculum.

However, in case of shortfall of faculty, the lacuna is filled up with guest lecturers, visiting professors and other temporary assignments.

2.3.15 How are the faculty enabled to prepare computer-aided teaching / learning materials? What are the facilities available in the university for such efforts?

The faculty is quipped enough to prepare teaching learning material with electronic equipments, made available to them by the University.

Computer, LCD Projector, EPI Diascope for projection, books and other equipments befitting this requirement are made available to the faculty.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Students feedback about teachers is procured by the University. The Alumni Association is involved in regular interaction with faculty. As such, the feedback received from those two groups of stakeholders facilitate teaching learning process.

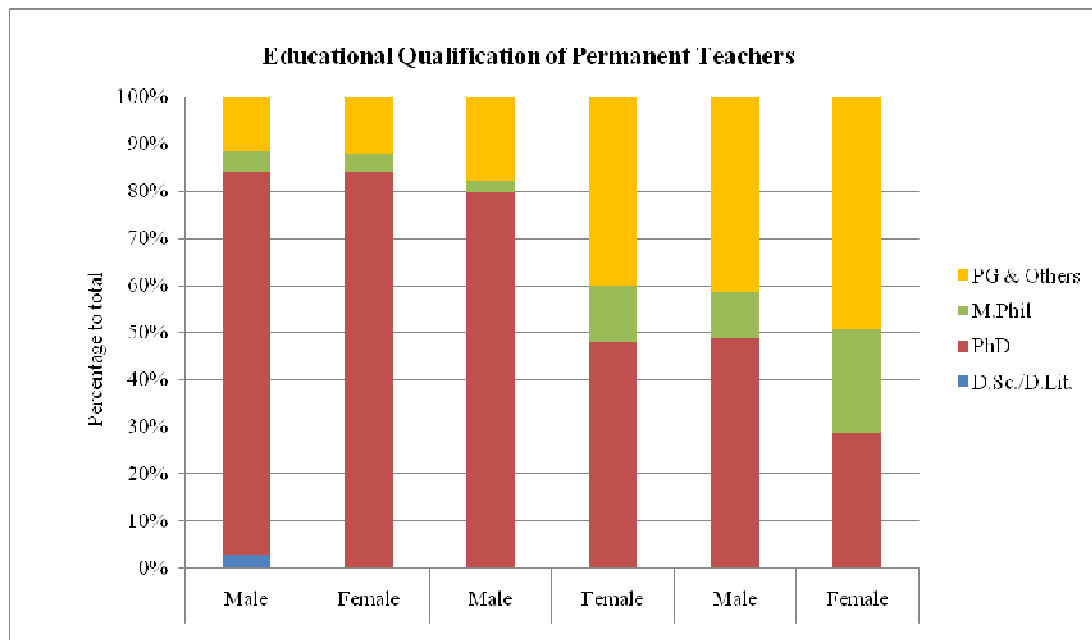
2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

To cater to the need of the charging society the University makes modification in its curriculum quite often. To make the faculty quite conversant with the modified curriculum the University sends faculty for orientation, refreshes courses, summer and winter schools and organises training programmes in the campus quite regularly.

2.4.2 Furnish details of the faculty:

| Highest Qualification | Professors | | Associate Professors | | Assistant Professors | | Total |
|-----------------------|------------|--------|----------------------|--------|----------------------|--------|-------|
| | Male | Female | Male | Female | Male | Female | |
| Permanent Teachers | | | | | | | |
| D.Sc./D.Litt. | 04 | | | | | | 04 |
| Ph.D | 114 | 21 | 63 | 12 | 90 | 22 | 322 |
| M.Phil | 06 | 01 | 02 | 03 | 18 | 17 | 47 |
| PG & Others | 16 | 03 | 14 | 10 | 76 | 38 | 157 |
| Temporary Teachers | | | | | | | |
| Ph.D | 22 | 07 | | | | | 29 |
| M.Phil | | | | | | | |
| PG | | | | | | | |
| Part-time Teachers | | | | | | | |
| Ph.D | | | | | | | |
| M.Phil | | | | | | | |
| PG | | | | | | | |

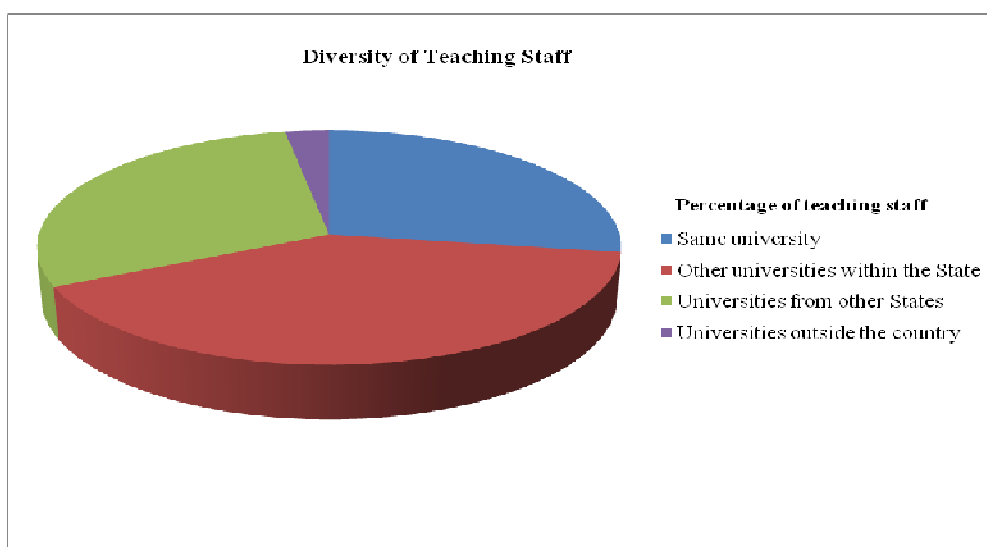


2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

| Department / School | % of faculty from the same university | % of faculty from other universities within the State | % of faculty from universities outside the State | % of faculty from other countries |
|---|---------------------------------------|---|--|-----------------------------------|
| Bhasha Bhavana | | | | |
| Bengali | 29.5 | 64.5 | 6 | 0 |
| DEOMEL | 10 | 80 | 10 | 0 |
| Sanskrit | 7 | 36 | 57 | 0 |
| Hindi | 25 | 8 | 70 | 0 |
| Chinese | 66.7 | 0 | 11.1 | 22.2 |
| Japanese | 57 | 0 | 14 | 28 |
| Indo-Tibetan | 30 | 0 | 40 | 30 |
| Odia | 0 | 0 | 100 | 0 |
| Santali | 0 | 50 | 50 | 0 |
| Arabic, Urdu, Persian & other Islamic Studies | 0 | 0 | 100 | 0 |

| | | | | |
|----------------------------------|-------|-------|-------|------|
| Kala Bhavana | | | | |
| Painting | 60 | 30 | 10 | 0 |
| Sculpture | 70 | 20 | 10 | 0 |
| Graphic Art | 57.1 | 14.3 | 28.6 | 0 |
| History of Art | 25 | 0 | 75 | 0 |
| Design | 60 | 20 | 20 | 0 |
| Palli Samagathana Vibhaga | | | | |
| Palli Charcha Kendra | 0 | 80 | 20 | 0 |
| REC | 50 | 25 | 25 | 0 |
| Silpa Sadana | 40 | 30 | 25 | 5 |
| Social Work | 52.9 | 0 | 5.8 | 29.4 |
| Palli Siksha Bhavana | | | | |
| ASEPAN | 22.7 | 59.1 | 18.2 | 0 |
| CIHAB | 75 | 25 | 0 | 0 |
| EES | 72.73 | 9.09 | 18.18 | 0 |
| Plant Protection | 37.5 | 50 | 12.5 | 0 |
| Rabindra Bhavana | 0 | 100 | 0 | 0 |
| Sangit Bhavana | | | | |
| Rabindrasangit, Dance and Drama | 39.4 | 15.2 | 45.4 | 0 |
| Hindustani Classical Music | 39.4 | 48.5 | 12.1 | 0 |
| Siksha Bhavana | | | | |
| Biotechnology | 0 | 71.4 | 28.6 | 0 |
| Botany | 6 | 61 | 33 | 0 |
| Chemistry | 25 | 65 | 10 | 0 |
| Environmental Studies | 20 | 0 | 80 | 0 |
| Mathematics | 20 | 80 | 0 | 0 |
| ISERC | 14.29 | 57.14 | 28.57 | 0 |
| Physics | 24 | 76 | 0 | 0 |
| Statistics | 0 | 85 | 15 | 0 |
| Zoology | 18 | 82 | 18 | 0 |
| Computer & System Sciences | 11.1 | 66.7 | 22.2 | 0 |
| Vidya Bhavana | | | | |
| Economics & | 0 | 100 | 0 | 0 |

| | | | | |
|---|-------|-------|-------|---|
| Politics | | | | |
| Philosophy & Religion | 60 | 10 | 30 | 0 |
| Ancient Indian History, Culture & Archaeology | 11.11 | 22.22 | 66.67 | 0 |
| Centre for Journalism and Mass Communication | 0 | 66.7 | 33.3 | 0 |
| Geography | 27.3 | 54.4 | 18.2 | 0 |
| Anthropology | 0 | 75 | 25 | 0 |
| History | 23 | 38.5 | 38.5 | 0 |
| Women's Studies Centre | 50 | 0 | 50 | 0 |
| Vinaya Bhavana | | | | |
| Education | 14.28 | 35.7 | 50 | 0 |
| Physical Education | 0 | 37.5 | 62.5 | 0 |



- 2.4.4 How does the university ensure that qualified faculty are appointed for new programmes / emerging areas of study (Biotechnology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?**

The University strongly believes that qualified faculty is a desideratum for good teaching. As such for every new course introduced, new faculties are introduced during the last four years.

Biotechnology– One Professor, Three Associate Professor, Five Assistant Professors.

Integrated science– Contractual and guest teachers have been appointed.

New Programmes:

- a) Comparative literature- Two Assistant Professor
- b) Centre for Women's Studies– Two Assistant Professor

Adjunct Faculty– Three

- 2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?**

Emeritus Faculty– Three, **Visiting professor**– Eight

- 2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?**

In its zeal to academically recharge and rejuvenate faculties the university has formulated certain modalities.

Partial Research Grant of Rs. 10000/- to all faculty members.

Study Leave– The teachers are incentivised by allowing study leave as and when prayed for.

Nomination to national/international conferences/seminars

Teachers are nominated as representatives of the university in the national and international conferences and seminars.

In service training,

Orientation courses on “Tagore and Santiniketan” are held every year to sensitise the faculty about the Founder of the institution.

Organizing national/international conferences etc.

The University encourages faculty to organize national and international conferences. One international conference on “Interaction with Tagore: Global and Local Personalities” was organised by Rabindra-Bhavana with funding from UGC. Several international conferences and seminars, organised by faculties of Visva-Bharati and largely attended by local and foreign dignitaries add brilliance academic scenario.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

State : Nil
 National : Nil
 International : 03

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

| Academic Staff Development Programmes | Number of faculty |
|--|--|
| Refresher courses | 61 in the year 2010 30 in the year 2011 31 in the year 2012 39 in the year 2013 |
| HRD programmes | |
| Orientation programmes | 06 in the year 2010 15 in the year 2011 22 in the year 2012 44 in the year 2013 |
| Staff training conducted by the university | |
| Staff training conducted by other institutions | |
| Summer / Winter schools, workshops, etc. | 03 in the year 2010 09 in the year 2011 06 in the year 2012 21 in the year 2013 |

2.4.9 What percentage of the faculty have

- * **been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies?**
60%
- * **participated in external Workshops / Seminars / Conferences recognized by national / international professional bodies?**
85%
- * **presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies?**
84%
- * **teaching experience in other universities / national institutions and other institutions?**
15%
- * **industrial engagement?**
04%
- * **international experience in teaching?**
05%

2.4.10 How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching- learning process?

- a) Workshops for curricula revision and development are held every five year.
- b) Examination reforms are discussed in almost every year.
- c) Content, knowledge management workshops are held every year in consonance with the requirement of the academia.

2.4.11 Does the university have a mechanism to encourage

*** Mobility of faculty between universities for teaching?**

*** Faculty exchange programmes with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

The University encourages its faculty to visit academic institutions for enhancement of expertise. The teachers visit several academic institutions in different parts of India and abroad as Guest Faculty and Visiting Professors.

In all the Memorandums of Understandings, signed between Visva-Bharati and other foreign institutions, there is provision for faculty exchange programme. For instance, nine Chinese teachers from Yunnan University had taken part in the teaching and research programmes of the department.

On our part, a delegation from Sangeet Bhavana also visited Yunnan University and performed a colourful cultural programme in 2013.

It is an accepted fact that these faculty exchange programmes enrich the faculty through exposure to international academic scenario.

2.5 Evaluation Process and Reforms

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

The evaluation processes i.e., written examination (end-semester), continual assessment, dissertation submission, seminar presentation, practical examination, field work assessment etc. of the university as per undergraduate and postgraduate ordinances are made available to all the academic Departments/Centres under each Bhavana/Vibhaga (Institute) of the University. The same are printed and distributed among the students at the beginning of their respective semester classes. Thus the university through several mediums keep the stakeholders aware of the evaluation process.

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

Important examination reforms initiated by the university are:

- a) The University has implemented semester system with G.P.A. awarded at the end of each semester examination and C.G.P.A. awarded at the end of final semester examination for all undergraduate and postgraduate programmes.
- b) To eliminate the mistakes in question papers, the university carries out moderation before submission of final paper sets to the university.
- c) Spot student registration is done at the time of students' counseling and admission to the course.
- d) Admit Cards are computer generated and issued to the candidates fifteen days ahead of a particular examination.
- e) Internal marks are collected in prescribed form prior holding of examination. Appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Reviewers are done through Computer.
- f) Decentralization of assessment activity for undergraduate and postgraduate examinations is carried out in all departments/centres of the University.
- g) Liberal application system for re-evaluation of answer scripts.
- h) Ph.D. entrance test (VBRET) is conducted on a single day in the University and the University is planning to conduct Ph.D. Course Work examination at a time in all the departments/centres of the University.
- i) Evaluation of Ph.D. thesis is done within a span of seventy (70) days and Ph.D. result is declared within almost 90 days from the date of submission of thesis by a candidate.
- j) Automation of University Examination Management System will take place within a year, for which tender process has been finalized.
- k) An archival of old records in digital format had been initiated.
- l) Verification facility through email for Degree certificate is made available for employer, educational institutes and government establishments.
- m) Capacity Building through discussion and meeting is done once in a month.
- n) Customarking feature of the University symbol is used in answer script and degree certificate to check fake and fraudulent documents.
- o) University has a dedicated examination section. Review meetings regarding examinations are conducted regularly.

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the university for the publication of examination results (e.g. website, SMS, email, etc.).

The average time taken by the university for declaration of examination results is forty (40) days. In some examinations, the university has published the results within seven (7) days.

In case there is delay, telephone calls, email, special messengers are sent to inform the stakeholders.

The results published by the university are uploaded in the university website. Besides this, the results are displayed on the notice board of the respective

Bhavana/Vibhaga (Institute) and in the notice board of Central Administrative Building of the University.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

Yes, the university ensures transparency in the evaluation process when the course/paper teacher of a particular course/paper with adequate expertise in that field ordinarily evaluates the answer script of that particular course/paper of a particular examination. As such the quality of proper assessment is ensured.

After publication of results, when a student is not satisfied with the credit point awarded against a particular course/paper of any examination of the university, he/she may opt for re-evaluation of answer script(s) of all by paying a fee fixed for this purpose.

The amended rules with regard to re-evaluation of answer scripts of the University are given hereunder :

The salient features :

- a) Where the difference of marks awarded by the original examiner and the marks awarded by the reviewer (other than the first examiner) is up to 5% , the marks awarded by the reviewer shall be taken as the final award of marks;
- b) Where the aforesaid difference is above 5% but up to 12%, an average of the marks awarded by the original examiner and the reviewer (other than the first examiner) shall be taken as the final award of marks; and
- c) Where the aforesaid difference is above 12%, the answer-scripts shall be sent to the third examiner/reviewer (other than the first examiner and reviewer) for re-evaluation and the marks awarded by the third examiner/reviewer shall be taken as final.

2.5.5 Does the university have an integrated examination platform for the following processes?

Yes, the university has an integrated examination platform for the following processes with highlighted mark.

- * **Pre-examination processes – Time table generation, OMR, student list generation, selection of invigilators, squads, maintenance of attendance sheet, online payment gateway, etc.**
- * **Examination process – Examination material management, logistics, etc.**
- * **Post-examination process – Attendance capture, OMR based exam result, auto processing, generic result processing, certification, etc.**
- * Examination process – Examination material management, logistics, etc.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

Yes,

- a) The University has set an adjudication committee comprising of three faculty to pursue the evaluation reports of Ph.D Scholars and expedite the process of

conducting Viva-voce examination. Whenever there is a need of minor correction or rectification of typographical matters or re-submission of thesis, the same may be informed to the Ph.D Scholar concerned for redressal and placed in the Research Board under whose direction the matter is redressed.

- b) The university has implemented the use of e-mail by which soft copy synopsis of Ph.D thesis is sent to the assigned examiners along with appointment letter. On receipt of consent of the examiner, the soft copy of the thesis is sent immediately to the examiner followed by bound form of thesis. The result is good to have the evaluated report very quickly.
- c) Conduct of Ph.D viva-voce examination of Ph.D candidates is done in the Office of the Controller of Examinations to ensure transparency, time saving and accountability.
- d) The award of Ph.D Degree notification is uploaded in the University website the very day if is approved by the Hon'ble Vice-Chancellor.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

N.A.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

- a) There is a good mechanism for redressal of grievances with reference to examinations. Whenever there is any grievance before/at the/after conduct of the examinations, a candidate who is appearing or appeared may bring the same to the Head of the Department concerned or Dean of the Institute or Controller of Examinations. Upon receipt of such grievance, a meeting is called by the Controller of Examinations wherein H.O.D concerned and Dean of the Institute are invited to redress the grievance. If required the candidate concerned is asked to submit the points of his/her grievance.
- b) When any grievance is put forth after publication of results, there is liberal system of re-evaluation of answer scripts by which grievance is redressed.

2.5.9 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The Statutory bodies like Academic Council (Siksha-Samiti), Executive Council (Karma-Samiti) etc. have approved the Academic Calendar for examinations of the University, by which form fill up, issue of admit cards, examination schedule, invigilation programme, venue of examinations are notified. The administration of the University also delegated certain powers as per statutes of the University to the Controller of Examinations to discharge the matters which are of confidential nature and requires urgent attention.

2.6. Student Performance and Learning Outcomes**2.6.1 Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?**

The University is keen to articulate its graduate attributes. Since admission of a student at under graduate level, the faculty monitors his/her performance at every stage through regular counselling and interactions. Tutorials are held on a regular basis to assess the performance and shortcomings of a student. In case the deficiency in a particular area of a student is detected, remedial classes are held to overcome the impediment. In a nutshell, the university takes all possible measures to promote academic acumen of a young would-be graduate learner.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The University informs the staff and students about the outcome of each academic programme through regular counselling throughout the year.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The University's teaching, learning and assessment strategies are structured with a view to inculcate innovativeness in approach. Employability is another key factor which is taken into consideration while formulating the strategy. The strategy is framed in consultation with external experts in various fields. Job fairs and campus interviews are regularly held to assist the learners to get a good job. The Course curriculum is revised time to time to cater to the need of changing local and global scenario.

2.6.4 How does the university collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

Visva-Bharati collects students feedback and regularly arrange students-teacher meetings where learning outcomes are analyzed. If it is observed that there are impediments to learning, the university faculty and other stakeholders find out ways to overcome the impasse. Remedial class is one such measure to overcome any obstacle to learning. Review meetings are held regularly and recommendations are discussed in higher academic bodies like Academic Council.

2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The University takes recourse to modern technologies in the form of multimedia and computer technology and GIS Remote Sensing in suitable cases.

Any other information regarding Teaching, Learning and Evaluation which the university would like to include.

In its attempt to make a synthesis of Tagorean idea of nature-centric, value based and humanistic education and contemporary advanced scientific knowledge, Visva-Bharati has introduced an unique system of teaching-learning system where equal weightage is accorded to teacher, taught and the teaching material : with the introduction of semester system and choice-based credit system the university offers a student to pursue core and elective courses as per his choice. In the examination system, review system is introduced to address the grievances of students, if any. Library and equipment facilities of highest order are offered to each student. A new course in M.Phil level emphasizing “Tagore as an universalist” has been introduced from the current academic session.



Creative research in Kala-Bhavana

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

The University has a Research Board to monitor and address issues, related to research.

Composition:

- a) Vice-Chancellor – Chairperson
- b) Principals of all Bhavanas

- c) One Professor and one Assistant Professor of each Bhavana, to be nominated by the Vice-Chancellor.
- d) Two external members.
- e) Deputy Register (Academic and Research), Visva-Bharati, Secretary

Recommendations: The Research Board has formulated new Ph.D ordinance which has been placed in the Academic council and approved.

A few recommendations of the Board:

a) Language of instruction and writing theses –

English shall ordinarily be the medium of instruction as well as the language for writing the theses in Ph.D. programmes except in the following cases:

In the departments engaged in the study and research of creative and/or performing arts. **Or Cultural Studies & Comparative Literature**, either English or Bengali or Hindi may be considered as the medium of instruction as well as the language for writing a thesis, if recommended by the concerned Patha-Samiti (Board of Studies). In the language departments, the medium of instruction as well as the language for writing a thesis shall be the concerned language of the department. In the departments where classical languages such as Sanskrit, Pali, Prakrit, Arabic, etc. are taught, permission may be granted for writing a thesis in English or in a non-classical language in which the University has expertise for evaluation. Such permission shall be granted by the Research Board on the recommendation of the concerned Patha-Samiti (Board of Studies).

b) Plagiarism:

If a student of a Ph.D. programme is found to be guilty of plagiarism in preparing his/her Ph.D. thesis, the University shall reject the thesis submitted by the concerned student. The relevant degree, if already awarded to him/her, shall be cancelled and withdrawn by the University. Decisions in this regard shall be taken by the Research Board and it is expected that all research ethics will be maintained by the candidates.

3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?

Not applicable.

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?

*** advancing funds for sanctioned projects**

In case of non-availability of sanctioned fund in due time, the university grants advance fund for sanctioned projects.

*** providing seed money**

The university provides seed money in the form of partial research Assistance Grant of Rs. 10,000/- to all faculty members.

- * **simplification of procedures related to sanctions / purchases to be made by the investigators**
Purchase procedure has been simplified to expedite the process and researchers are given freedom to make purchases.
- * **autonomy to the principal investigator/coordinator for utilizing overhead charges**
Full autonomy is granted to Principal Investigator, subject to adherence to purchase rules.
- * **timely release of grants**
Once the allocation of grant is sanctioned by appropriate authority, there is hardly any delay.
- * **timely auditing**
Internal auditing procedure is very fast.
- * **submission of utilization certificate to the funding authorities**
All steps are taken to submit utilization certificates to the funding authority expeditiously.

3.1.4 How is interdisciplinary research promoted?

- * **between/among different departments /schools of the university and**
- * **collaboration with national/international institutes / industries.**

There are several interdisciplinary research programme. To name a few:

- a) The Department of Geography has initiated an interdisciplinary programme with department of Environmental Science, Visva-Bharati.
- b) The Department of Odiya has undertaken interdisciplinary research programmes with Anthropology, Philosophy, History and other language Departments.
- c) The Department of Chemistry pursues interdisciplinary research with Dept. of Botany in National Products Chemistry and with Dept. of Integrated Physical Science in Photo Physics.

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.

- a) In **Agronomy** discipline the following programmes were organized involving 310 (Three hundred ten) number of practicing farmers and farm women as Trainees of these Training Programmes:
 - (i) Collection of soil sample; (ii) Preparation of soil sample for soil testing and interpretation; (iii) Preparation and use of vermicompost; (iv) Seed production technologies in kharif season; (v) Multiplication of *Azolla*; (vi) Seed production technologies of black gram and green gram in summer season.
- b) In **Horticulture**, the following Programmes were organized involving 350 (Three hundred fifty) number of practicing farmers and farm women as Trainees of these Training Programmes:

- (i) Crop diversification of different Horticultural Crops, (ii) Cultivation of Cucurbitaceous Vegetables, (iii) Cultivation of Solanaceous Vegetables, (iv) Layout and planting of guava & mango orchard, (v) Improved package and practices of Kharif Vegetables, (vi) Improved package and practices of Broccoli and Capsicum, (vii) Improved package and practices of Rabi season vegetables.
- c) In **Fishery**, the following Programmes were organized involving 350 (Three hundred fifty) number of practicing farmers and farm women as Trainees of these Training Programmes:
 - (i) Culture & management of IMC & exotic carps, (ii) Carp Hatchery Management and Production of Carp Spawns, (iii) Breeding and culture of air breathing fish, (iv) Low cost fish feed preparation, (v) Composite fish culture with giant prawn, (vi) Management Practices of Fish Diseases, (viii) Fish based integrated farming, (ix) Fingerling rearing in nursery pond.
- d) In **Animal Science**, the following programmes were organized involving 240 (Two hundred forty) numbers of practicing farmers and farm women as Trainees of these Training Programmes:
 - (i) Identification & control of poultry diseases with special reference to bird flu, (ii) Identification and control of diseases in dairy animals, (iii) Extensive duck farming, (iv) Extensive pig farming, (v) Preparation of urea straw fodder molasses mixture, (vi) Low cost feed preparation for poultry.
- e) In **Home Science**, the following programmes were organized involving 145 (One hundred forty five) numbers of practicing farmers and farm women as Trainees of these Training Programmes:
 - (i) Nutrition Gardening, (ii) Value addition and preservation (mango), (iii) Training programme on tie and dye, (iv) Training on Batik work, (v) Preparation of agarbati.

3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

- a) The university selects first the specific areas in which higher research is proposed to be undertaken.
- b) Accordingly the university offers eminent persons in the stipulated area adjunct professorships.
- c) The selected adjunct professors not only undertake higher research in the core area but also stimulates the entire research scenario of the university by regular interaction with researchers and teachers. They also deliver lectures and talks and take a few classes in postgraduate and research levels on research methodology and other allied area to boost up research as a whole.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

The grants from UGC are not even adequate to meet operational and maintenance expenses of the University. However faculty members are encouraged to apply for research grants to various funding agencies. Faculty members are given support to apply for such projects. Presently, University has eighty projects of total value of Rs. 24.90 crores funded by agencies other than UGC. In addition, University also has forty-four projects of total value Rs. 18.33 crores funded by UGC.

3.1.8 In its budget, do the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

University has no affiliated college.

3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.

At present there is none enjoying Post Doctoral Fellowship funded by Visva-Bharati. However in each Bhavana 2-3 scholars are enjoying post doctoral fellowships, awarded by other institutions.

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

2-3%. The research output submitted by the scholars is reported to the statutory bodies of the University such as Academic Council (Siksha Samiti), Executive Council (Karma-Samiti), Samsad (court) etc. The research output is disseminated among the students, scholars and teachers by conducting lectures in the department concerned and in the 'Study Circle'. The outstanding output of the scholar is also published in the form of a book which is useful for the students, researchers and teachers not only of this university but also of other institutions.

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

| Conferences | Dates | Outstanding participants |
|--|----------------------|--|
| International Conference on Global Climate Change (ICGC C- 2010) | February 19-21, 2010 | Prof. Puspajit Mandal and Prof. Shibani Chaudhury, Organizing Secretary: Dr. Umesh Kumar Singh and Dr. S. Balachandran |

| | | |
|--|----------------------|--|
| Two-day National Conference on Application of Statistics in Life Sciences & Engineering | December 10-11, 2011 | Prof. Bikas Sinha, Member National Statistic Commission, New Delhi, Prof. K. R. Sundaram, Professor and Head, Bio Statistics Division, AIMS, Kochi. Prof. G.C.Mishra, Professor, BHU Prof. K. Sinha, BAU, Ranchi |
| Fifth All India Conference of China Studies organised by Institute of Chinese Studies, Delhi in collaboration with Cheena Bhavana, Visva-Bharati | December 15-16, 2012 | Prof. Monoranjan Mohanty (Emirates Professor) , Prof. Sabare Mitra (JNU), Prof. Alka Achaya, Director ICS, Delhi, Prof. Sreemoti Chakroborty, Delhi University. |
| Three-day International Conference on “Beyond <i>Gitanjali</i> : Tagore, Poetry and Poetics” | 14-16 February, 2014 | Dr. Blanka Knotkova, Charles University, Prague; Prof. Samik Bandyopadhyay; Prof. Sharmila Roy Pommot; Prof. Fakrul Alam; Prof. Manzoorul Islam; Prof. Soumya Chakraborty; Prof. Kathleen O’Connell; |

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the university budget for supporting students’ research projects?

The inadequate funds do not allow the University to make provision for students projects in Science Departments. However students and faculty members are provided some support for excursion tours also called fields visits, related to academic exposure in some departments.

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Palli Shiksha Bhavana:

Rathindra Krishi Vignan Kendra has identified some indigenous genotype of banana and coconut with distinguished quality attributes and is under the process of documentation.

Shiksha Bhavana:

Biotechnology:

One patent approved (in collaboration with IICB, a CSIR National Institute, Kolkata).

Zoology:

- An Indian Patent for a hepatoprotective and anti-jaundice compound, Carniloside, has been applied to the Department of Science & Technology (DST), Govt. of India, New Delhi (0136DEL2010).
- A new Vanadium compound showing anti-diabetic activity has been applied for International patent in collaboration with Tezpur University (PCT/IN2011/000386).
- A volatile oil from an endemic plant of Assam showing anti-cancer activity on lung cancer cells has been applied for an Indian Patent in collaboration with North-East Institute of Science & Technology, Jorhat Assam (0670DEL2011).

3.2.3 Provide the following details of ongoing research projects of faculty:

| | Year wise | Number | Name of the project | Name of the funding agency | Total grant received |
|---|--|--------|---|--|------------------------------|
| A. University awarded projects | | | | | |
| Minor projects | | | | | |
| Major projects | 2012 | | Kalanukramik Rabindra-Sangit Prakalpa | Visva-Bharati | 10 lakhs |
| B. Other agencies - national and international (specify) | | | | | |
| Minor | Running since 1984 (year to year sanction) | 01 | Intensive Sugarcane Development Project (ISDP) | Deptt. of Agriculture, Govt. of W.B. | Rs. 7,41,000/- (2013 – 2014) |
| Major | Long-term project, continuing since 1986 | 01 | All India Coordinated Research Programme on Weed Control (ICAR) | Indian Council of Agricultural Research, New Delhi | Rs. 34.4 lakhs |
| Minor projects | | 01 | “Badal Sircar and the Third Theatre” | UGC | Rs. 1, 50,000.00 |
| Minor | | 01 | Animal Mask Dance of South Odisha : A Profile | UGC | Rs.50,000/- |
| Minor | | 01 | BBTR Project | Crystal Crop Protection Private Ltd., Delhi | Rs. 5.28 lakhs |
| Minor | | 01 | EPJ project | Makhtesim Agan India Private Limited, | Rs. 1.98 lakhs |

| | | | | | |
|-------|--|----|---|--|----------------|
| | | | | Hyderabad, A. P. | |
| Minor | | 01 | BBSR Project | Crystal Crop Protection Private Ltd., Delhi | Rs. 3.19 lakhs |
| Minor | | 02 | Nutrient Optimization and Yield Intensification of major cereal systems of eastern India | International Plant Nutrition Institute | Rs. 3.96 lakhs |
| Minor | | 03 | Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario” | Bayer Crop Science Limited | Rs. 3.48 lakhs |
| Minor | | 02 | Bio efficacy study of Pro-gibb (gibberellic Acid) 40 % WSG in Rice | Sumitomo Chemical India Limited | Rs. 1.21 lakhs |
| Minor | | 01 | Establishment of model nursery (1 ha) for medicinal plants under National Mission on Medicinal Plants | Department of Food Processing Industries & Horticulture, Govt., of West Bengal | Rs. 4,00,000/- |
| Minor | | 01 | Bio-Efficacy Studies of Some New Generation Molecules (PGR) on different crops | Willowood Chemicals Private Ltd., New Delhi-11002 | Rs. 2,90,900 |
| Minor | | 01 | Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops | Willowood Chemicals Private Ltd., New Delhi-110025 | |
| Minor | | 01 | ‘Bio-efficacy and residue studies of some fungicides on different crops’ | Willowood Chemicals Pvt. Ltd., New Delhi | Rs. 7,48,000 |
| Minor | | 01 | Bio efficacy and Phytotoxicity evaluation of | SYNGENTA India Ltd. | Rs. 8.2 lakhs |

| | | | | | |
|-------|------|----|---|--|----------------|
| | | | some herbicides and insecticides in different crops against different weeds and insect scenario | | |
| Minor | | 01 | Improvement of productivity of land through diversity and activity of soil organisms in various agro-ecosystems of the System Rice Intensification (SRI) in West Bengal | Sri Dorabji Tata Trust (SDTT), Mumbai | Rs. 0.64 lakhs |
| Minor | | 01 | Evaluation of fertilizer potential of Sea weed saps on different crops | CSIR- Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat | Rs. 8.52 lakhs |
| Minor | | 01 | 'Bio-efficacy, phytotoxicity and residue analysis of some herbicides on different crops' | Willowood Chemicals Pvt. Ltd., New Delhi | Rs.7,79,900 |
| Major | 2010 | | Development of organic-inorganic hybrid (nano) materials and their biological relevance | DST, New Delhi. | Rs.35.5 L |
| Major | 2010 | 02 | Ionic liquids and catalysts with ionic tag: Preparation and their application in organic synthesis. (SR/S5/GC-05/2010) | DST, New Delhi. | Rs. 38.25 L |
| Major | 2011 | | Asymmetric catalysis in water/aqueous media: Design and Applications of Chiral Catalysts for C-C Bond-forming Reactions | DST, New Delhi | Rs. 16.56 L |

| | | | | | |
|-------|-----------|----|--|---|------------------|
| Major | 2011 | 01 | Exploitation of intriguing supramolecular features of various metallosupramolecular networks of transition metal ions with N,S,O-donor organic ligands in water media. No. SR/FT/CS-77/2011 | DST, New Delhi. (Fast Track Project) | Rs. 24.8 L |
| Major | 2011 | | “Socio-economic Institutional and Gender Issues Influencing Spatiotemporal Variation and Sustainability of Participatory Irrigation Management Reforms in India” | Indian Council of Agricultural Research | Rs.35 lakhs |
| Minor | 2011-2014 | | Allele Mining for Stress Tolerance in Traditional and Wild Relatives of Rice (<i>Oryza sativa</i> L.) | UGC | Rs. 8, 99, 300/- |
| Minor | 2011-14 | | <i>Metal nanoparticles embedded in oxide thin films for memory device application</i> | UGC | Rs. 7.46 lacs |
| Minor | 2011-2014 | | Screening and characterization of antimicrobial compound(s) from <i>Ceriops decandra</i> , a beneficial mangrove plant from Indian Sundarban estuary. | UGC | |
| Major | 2011-14 | | ‘Development of seaweed liquid fertilizer from seaweeds of Chilika lake for pulses and vegetable crops and entrepreneurship development in rural areas’ | Department of Science and Technology, Govt. of India, New Delhi | Rs.10,61,000/- |
| Major | 2011-16 | | “A comprehensive understanding of the | DBT | Rs. 799.34 lakhs |

| | | | | | |
|----------------|-----------|----|--|--|------------------|
| | | | Nasopharyngeal Carcinoma (NPC) in the North-Eastern Region of India” | | |
| Major | 2011-2014 | | “Biochemical and Molecular Profiling of West Bengal Folk Rice Germplasm with reference to Abiotic Stress Tolerance” | DST, Govt. of West Bengal | Rs. 10, 26,800/- |
| Minor | 2011-14 | | “Alle mining of stress tolerance in traditional and wild relatives of rice <i>Oryza sativa</i> Linn.” | UGC | Rs 8.99 lakhs |
| Major | 2011-14 | | <i>Electrical, Magnetic and Microstructural Characterization of some Composite Biopolymer</i> | CSIR, Govt. of India | Rs. 15.74 Lacs |
| Minor | 2011-14 | | A comparative study of biotransformation mechanisms of earthworm <i>Lampito mauritii</i> and <i>Eisenia fetida</i> exposed to soil of industrial origin. | UGC | Rs.8,70,800.00 |
| Minor | 2012 | | Better Understanding of Electrostatics and Dynamics in Protein and their Role in Protein Function Using New Synthetic Fluorescent Amino Acids as Probe. No. F. 20-5(17)/2012(BSR). | UGC, New Delhi. | Rs. 6 L |
| Major | 2012-2014 | | Biodiversity by MOEF | National Environmental Fellowship | Rs. 12 Lakhs |
| Major projects | 2012 | 01 | Development of Shallow Parser tools for 12 Indian Language (SPT-LL) | Government of India, Ministry of Communication and Information Technology, Department of | 36.00 Lakhs |

| | | | | | |
|-------|-----------|----|---|---|-----------------|
| | | | | Information Technology | |
| Major | 2012-14 | 01 | “Odia Lexicography :A Critical Study on Evolution’ | UGC | Rs. 7,94,000/- |
| Major | 2012-2015 | | cDNA-AFLP to identify differentially expressed genes in <i>Vignamungo</i> upon inoculation with Mungbean yellow mosaic India virus | DST-Fast Track | Rs. 24 Lakhs |
| Major | 2012-2015 | | Identification and characterisation of <i>Phaseolus vulgaris</i> microRNAs differentially expressed in biotic stress condition by deep sequencing of small RNA transcriptomes | DBT, Govt. of India | Rs. 44.5 Lakh |
| Major | 2012-2015 | | “cDNA-AFLP to identify differentially expressed genes in <i>Vigna mungo</i> upon inoculation with Mungbean Yellow mosaic Indian virus.” | DST, Fast Track Project, Govt. of India | Rs. 24 Lakhs |
| Major | 2012-15 | | “Identification and characterisation of <i>Phaseolus vulgaris</i> micro RNAs differentially expressed in biotic stress condition by deep sequencing of small RNA transcriptomes.” | DBT, Govt. of India | Rs. 44.12 Lakhs |
| Major | 2013 | | Electronic Structure of Carbon Based Nanohybrid Materials (Ref. No. 01(2744) EMR-II/2013) | CSIR, New Delhi. | Rs. 10 L |
| Minor | 2013-2015 | | “A study on the probable reasons behind selective susceptibility of proteins to age and/or oxidative stress using bioinformatics tools” | UGC | Rs 1.2 Lakhs |

| | | | | | |
|-------|--|----|--|--|-----------------|
| Major | 2013-15 | 01 | “Rabindranath Tagore and Science” | UGC | Rs. 9.33 lakhs |
| Major | 2013-16 | 01 | “Effect of irradiation and packaging on Sapota fruits (<i>Achrus zapota</i> L.) under different storage condition” | Department of Atomic Energy, Govt. of India (DAE/BRNS) | Rs. 24,84,500/- |
| Major | 2013-16 | | “Theraupctic and immunomodulatory potential and mechanism of action of <i>Tinospora</i> spp. Against visceral leishmaniasis,” | UGC | Rs. 13.19 Lakhs |
| Major | | 01 | ‘Bio-efficacy and residue trials of some insecticides fungicides, herbicides and some new generation molecules on different crops’ | Willowood Chemicals Pvt. Ltd., New Delhi | Rs.18,10,600/- |
| Major | 2013-15 | | “Evaluation of age-associated alterations in anti-oxidative defence in <i>Saccharomyces cerevisiae</i> and its role in accumulation of oxidative stress” | CSIR | Rs. 28 Lakhs |
| Major | 2013-16 | | ‘Therapeutic and immune-modulatory potential, and mechanism of action of <i>Tinospora</i> spp. against visceral leishmaniasis’ | UGC | Rs. 13.19 Lakhs |
| Major | 08.11.2010, ongoing in the fourth financial year 2013-2014 | | Dye sensitized solar cell: photoinduced electron transfer in porphyrin based donor-acceptor dyads attached to nanostructured films | DAE-BRNS | Rs. 30,50,511/- |
| Major | 2013-2014 | | Dye sensitized solar cell: photoinduced electron transfer in porphyrin based donor-acceptor dyads attached to nanostructured films | DAE-BRNS | Rs. 30,50,511/- |

| | | | | | |
|-------|-----------|----|--|---|------------------------|
| Major | 2013 | | Water quality assessment of river Ajoy- A tributary of river Ganga | UGC | Rs. 12,06,800/- |
| Major | 2013 | | Rabindranath Tagore and Science | UGC | Rs. 9.6 lakh |
| Major | 2013-16 | | <i>Physics and Mathehtics of PT symmetric system</i> | SERC, DST, Govt. of India | Rs. 13.40 lacs |
| Major | 2013-2016 | | “Evaluation of age associated alterations in anti-oxidative defense in <i>Saccharomyces cerevisiae</i> and its role in accumulation of oxidative stress.” | CSIR | Rs. 28.05 lakhs |
| Minor | 2013-16 | | Hydrogeochemical and Stable isotope investigations on the fluoride enrichment processes of groundwater in parts of Birbhum district, West Bengal, India, 3 years | UGC | Rs.2,29,000.00 |
| Major | 2013-14 | 03 | “Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments” | Board of Research in Nuclear Science(BRNS), DAE | Rs. 16 lakhs (approx.) |

A Chronological Anthology of Tagore's works funded by Ministry of Culture, Govt. of India; allocated amount 55 lakhs.

3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

| Name of the project | Name of the funding agency | Total grant received |
|---------------------|---|----------------------|
| BBTR Project | Crystal Crop Protection Private Ltd., Delhi | Rs. 5.28 lakhs |

| | | |
|--|---|----------------|
| EPJ project | Makhtesim Agan India Private Limited, Hyderabad, A. P. | Rs. 1.98 lakhs |
| AAKIL AARSI-The Mirror of Mind, A Community based Art activity with the Santhal Community in Fuldanga and Pearson Palli sharing the process of paper making from natural fibre (Dry Bamboo Leaves) as part of Negotiating Routes: Ecologies of the Byways II | Khoj International Artists Association, New Delhi, 2011 | Rs. 1.5 lakh |
| BBSR Project | Crystal Crop Protection Private Ltd., Delhi | Rs. 3.19 lakhs |
| Nutrient Optimization and Yield Intensification of major cereal systems of eastern India | International Plant Nutrition Institute | Rs. 3.96 lakhs |
| Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario” | Bayer Crop Science Limited | Rs. 3.48 lakhs |
| Bio efficacy study of Pro-gibb (gibberellic Acid) 40 % WSG in Rice | Sumitomo Chemical India Limited | Rs. 1.21 lakhs |
| Bio-Efficacy Studies of Some New Generation Molecules (PGR) on different crops | Willowood Chemicals Private Ltd., New Delhi-11002 | Rs. 2,90,900 |
| Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops | Willowood Chemicals Private Ltd., New Delhi-110025 | Rs. 7,79,900 |
| ‘Bio-efficacy and residue studies of some fungicides on different crops’ | Willowood Chemicals Pvt. Ltd., New Delhi | Rs. 7,48,000 |

| | | |
|---|--|----------------|
| Bio efficacy and Phyto-toxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario | SYNGENTA India Ltd. | Rs. 8.2 lakhs |
| Improvement of productivity of land through diversity and activity of soil organisms in various agro-ecosystems of the System Rice Intensification (SRI) in West Bengal | Sri Dorabji Tata Trust (SDTT), Mumbai | Rs. 0.64 lakhs |
| 'Bio-efficacy, phytotoxicity and residue analysis of some herbicides on different crops' | Willowood Chemicals Pvt. Ltd., New Delhi | Rs.7,79,900 |
| 'Bio-efficacy and residue trials of some insecticides fungicides, herbicides and some new generation molecules on different crops' | Willowood Chemicals Pvt. Ltd., New Delhi | Rs.18,10,600/- |
| Assessment of efficiency of EL++ in increasing marketable yield of selected cucurbitaceous vegetable crops | Krishi Rasayan Pvt. Ltd. Kolkata | Rs. 37,400/- |
| Trial on different grades of customized fertilizers on growth and yield of potato. | Indo-Gulf Fertilizers | 0.715 lakhs |
| Evaluation of hybrids of some field crops. (completed in 2012-13) | Devgen Seeds corporation Ltd., Hyderabad | 0.50 lakhs |
| Evaluation of different Godrej products (completed in 2012-13) | Godrej Agrovat Ltd, Mumbai | 0.40 lakhs |
| Bioefficacy of Bispyribac sodium in Rice (BBSR) | Crystal Crop Protection Pvt. Ltd., New Delhi | 3.19 lakhs |
| Bioefficacy of Bensulfuron-methyl in transplanted Rice (BBTR) | Crystal Crop Protection Pvt. Ltd., New Delhi | 5.28 lakhs |

| | | |
|---|--------------------------------------|--|
| Designed Colours for LEDL Motors (Project Completed in 2009) | LEDL, Coimbatore India - an industry | It is not a grant but a professional design fee received through DJAD. |
| Water Quality Assessment of Coal Bed Water for Proving | Essar Oil Ltd. | Rs 277200/- |
| 'Bio-efficacy of Grace Hume 12% (based on Humic acid) and Bloomer NB (based on Nitro Benzene 35%) for sustainable production of Lady's finger (Abelmoschus esculentus)' | Grace Bio-Care Pvt. Ltd., Kolkata | Rs. 89,000.00 |
| 'Bioefficacy of Fipronil 80% WG against two important insect-pests of rice and Bioefficacy of Acephate 75% SP against some major pests of rice' | Crystal Crop Protection Pvt Ltd. | Rs. 3,50,000/- |

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Palli Shiksha Bhavana

- State recognition: Soil Testing Laboratory
- National recognition:
- Rathindra Krishi Vignan Kendra (ICAR)
- All India Coordinated Research Project on Weed control (ICAR)
- Plant Tissue Analysis Facility (National Horticulture Mission)

Shiksha Bhavana:

- Biotechnology- National recognition by DBT, Government of India
- Botany- UGC- SAP, DST-FIST
- Chemistry- UGC- SAP, DST-FIST
- Mathematics- UGC- SAP, DST-FIST
- Zoology- CAS-UGC-SAP
- Physics- DST-FIST

Vidya-Bhavana:

- Geography- DST, UGC, ICSSR
- History- UGC-SAP
- Economics- UGC-SAP

3.2.6 List details of

a. research projects completed and grants received during the last four years (funded by National/International agencies).

| Name of the project | Name of the funding agency | Total grant received |
|--|---|----------------------|
| “Rabindranath Tagore: East-West Confluence” | UGC DRS (SAP) | Rs. 34.50 lac |
| “Rabindranath Tagore and Science” | UGC | Rs.9.6 lac |
| “Badal Sircar and the Third Theatre” | UGC | Rs.1.5 lac |
| Editing of the Praśnavyākaraṇa- A lost Jaina treatise | ICPR | Rs 5 lakh |
| A Micro Level Study on Paippaladins of Eastern India | UGC | Rs.5,40,000/- |
| AAKIL AARSI-The Mirror of Mind,A Community based Art activity with the Santhal Community in Fuldanga and Pearson Palli sharing the process of paper making from natural fibre(Dry Bamboo Leaves) as part of Negotiating Routes: Ecologies of the Byways II | Khoj International Artists Association, New Delhi, 2011 | Rs.1.5 lakh |
| ‘Impact of Global and Local Economic Shocks on the Rural Economy-A case study in West Bengal, India | UGC | Rs.5.19lac |
| Strengthening Decentralization in Rural Bengal through Panchyati Raj Institutions and Self help Groups: Some Emerging Issues | UGC | Rs.6.79 Lac |
| “Screening and characterization of antimicrobial compound(s) from Ceriops decandra, a beneficial mangrove plant from Indian Sundarban estuary” | UGC | Rs.9.15 Lakhs |
| “Replication in KSHV Latent DNA—a mechanistic approach” | DBT | Rs. 30 lakhs |
| “Evaluate the mechanism of resveratrol mediated apoptosis in cigarette smoke induced breast cancer” | DBT | Rs. 34.52 lakhs |
| Nonlinearities and synchronization of quantum cascade laser. | UGC | Rs. 5,44,021/- |
| India-LHC Grid Collaboration – Enhancement of Regional Worldwide Computing Grid(WLCG). | DST, Govt. of India | Rs. 29.7 lakhs, |
| Study of New Particles with the CMS at the Large Hadron Collider and Heavy Ion Physics with the LHC at CERN | DST, Govt. of India | Rs. 431 lakhs |
| Drought management of jute under deficit rainfall areas | CRIJAF, ICAR, | Rs.13.45 lakhs |

| | | |
|--|--|------------------|
| | New Delhi | |
| National Invasive Weed Surveillance (NIWS) Project (Completed in September, 2010) | Ministry of Agriculture and Cooperation, Govt. of India | Rs.12 lakhs |
| <i>Reimagining the Homeland:Representation of India in the Travel narratives of Dean Mohomet and Abu Taleb</i> | UGC | Rs. 1 lakh |
| The Self and the World in the Travel Writings of Rabindranath Tagore | UGC | Rs. 2 lakh |
| “Molecular taxonomy of stress tolerant cyanobacteria and characterization of stress proteins and antioxidant defence systems in selected anhydrobiotes.” | Department of Science and Technology, Govt. of India(2010-2013) | Rs. 29 lakhs |
| “Taxonomy capacity building project on Algae-AICOPTAX.” | Ministry of Environment and Forests, Govt. of India | Rs. 32 Lakhs |
| “Development of seaweed liquid fertilizer formulation for pulses and vegetable crops and its popularization for development of entrepreneurship in rural areas.” | Department of Science and Technology, Govt. of India (2010-2013) | Rs. 12.75 lakhs |
| “Age and reactive species mediated modification of macromolecules and its physiological consequences in Yeast (<i>Saccharomyces cerevisiae</i>).” | DST, Fast Track project, Govt. of India | Rs.18.76 Lakhs |
| “Biochemical and molecular profiling of West Bengal folk rice germplasm with reference to abiotic stress tolerance.” | DST, Govt. of West Bengal | Rs 10.27 lakhs |
| “Nonlinear structures in quantum plasmas” (since 2012) | DST | Rs. 13,08,000.00 |
| “Statistical Approach for Segmentation of Color Image and Its Application for Text Extraction from Color Backgrounds” | UGC | Rs. 1.25 lakhs |
| “Development of an Intelligent Recognizer of Component Analysis of Manhole Gas Mixture” | DST | Rs. 33.00 lakhs |
| ‘The Rural World in Contemporary Literature: Changing Perceptions in Colonial Bengal 1930-50’ | UGC | Rs. 5,21,200/- |

b. Inter-institutional collaborative projects and grants received**i) All India collaboration****ii) International**

| Name of the project | Name of the funding agency | Total grant received |
|--|---|----------------------|
| Collaborative trial programme for slow releasing micronutrients. | Coromandel International Ltd. | Rs. 38,500/- |
| Collaborative research programme for evaluation of cucumber, egg plant and okra hybrids | Seminis Vegetable Seeds (India) Pvt. Ltd. (Completed in 2009) | Rs. 56,100/- |
| Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge: BioCPV. | Indo-UK Collaborative Research Initiative on <i>Bridging the Urban and the Rural Divide (BURD)</i> . Sponsoring agency: DST (2012-2015) | 22670325.00 |
| Technology Mission on Jute (MM-1.5) collaborative project with CRIJAF (ICAR), Barrackpore | CRIJAF (ICAR), Barrackpore | Rs.13.45 lakhs |
| 'Bio-efficacy of Grace Hume 12% (based on Humic acid) and Bloomer NB (based on Nitro Benzene 35%) for sustainable production of Lady's finger (<i>Abelmoschus esculentus</i>)' | Grace Bio-Care Pvt. Ltd., Kolkata | Rs. 89,000.00 |
| 'Bioefficacy of Fipronil 80% WG against two important insect-pests of rice and Bioefficacy of Acephate 75% SP against some major pests of rice' | Crystal Crop Protection Pvt Ltd. | Rs. 3,50,000/- |

| | | |
|--|---|----------------|
| “Implementation and promotion of IPM technology for the control of eggplant (brinjal) fruit and shoot borer (<i>Leucinodes orbonalis</i>) in Indo-gangetic plains of South Asia” | Department for International Development (DFID), London, UK | Rs. 9,06,444/- |
| “Pioneering Development of a Public-Private partnership in the use of Agribiotechnology for Sustainable solutions to insect-pests on Crucifer crops in India” | Vater and Sohn Eiselen-Stiftung, Ulm, Germany through AVRDC, Taiwan | US\$6000 |

3.3 Research Facilities

3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

Infrastructural requirements: Several buildings have been constructed to meet the infrastructural requirement.

- New Science Building to cater to the need of emerging subjects in science.
- Bhasa-Bidya Bhavana to facilitate research in literature and social science
- Building for non-language departments.
- Introduction of a new building as A.K. Das Gupta Centre to facilitate research. New faculties have been recruited. Equipments and furniture in adequate number are also provided.

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Though the university does not have an Information Resource centre by name, however all information, notices lecture of the faculties and any other relevant document are uploaded instantly on the university website and thus the utility of having an Information Resource Centre is at least partially fulfilled.

3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

The University has a University Science Instrumentation Centre (USIC) where large instruments are kept in a particular place for use of researchers.

3.3.4 Does the university provide residential facilities (with computer and internet

facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

The University provides residential facilities, decked with equipment for researchers and visiting academics in:

- a) International Guest Houses
- b) Pancavati.

3.3.5 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

- a) In Rabindra-Bhavana which is considered as the largest repository of Tagore related articles, a specialized research centre has been established for Tagore-centric Research.
- b) The newly introduced Rabindra-Sangeet Research centre is related to research in melody and technicalities of Rabindra Sngit (Tagore Song)
- c) Indira Gandhi centre is slated for research on national and international understanding.
- d) In collaboration with the Raja Rammohan Library Foundation, Rural Extension Centre is providing internet facilities at Raipur village. The initiative to extend computer facility with INTERNET and LAN for the villagers has been undertaken.
- e) In collaboration with the doctors from Thakurpukur Cancer Hospital, Kolkata an awareness generation programme on “Let us Conquer Caner” for the villagers at Sriniketan was organized.
- f) In collaboration with the Angikar Social Welfare Society, an awareness generation programme on : Thallasemia” was organized at Sriniketan for the villagers.
- g) In collaboration with the PRIA & Samannay – NGO one day workshop on “Academia-Civil Society Organization Interface” was organized at Sriniketan for the Secretary of Village Development Societies.
- h) In collaboration with the District Rural Development Cell (DRDC) a vocational training programme was organized on LAC handicrafts for the selected village women.
- i) In collaboration with the Saint John Ambulance, Suri, training programme on ‘First-Aid’ was organized for the village youths.
- j) In collaboration with the INDO-GERMAN WATER project sensitization programme on use of safe drinking water was organized in two villages.

3.3.6 Does the university have centres of national and international

recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- a) The centre caters to the need of the researches of other institution by providing research materials, computer facility etc.
- b) The Department of Chemistry has international collaboration with Prof. Guillen Aromi, Universitat de Barcelone, Spain, Prof. Enrique Colacio, Universidad de Granda, Spain, Prof. Jean-Pierre Tuchagues, France, Prof. Thomas Frauenheim, University of Bremen, Germany.
- c) The Department of Environmental Studies has collaborative research with University of Leeds, University of Nottingham, and University of Exeter, UK and also with IIT-Chennai, and IIT Bombay for generation of electricity by integrating concentrated Photovoltaic and Biogas produced by anaerobic digestion of biomass for the electricity to the rural tribal community (DST Funded).

The facilities offered by the Departments of Visva-Bharati attract other internationally reputed institutions to join in collaboration in various research projects.

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

The University has three principal research journals

- a) Visva-Bharati Patrika
- b) Visva-Bharati Quarterly
- c) Rabindra Biksha published from Rabindra-Bhavana.

Editorial Board:

Visva-Bharati Quarterly

- a) Vice-chancellor, Chairman
- b) Editor
- c) Five members approved by Vice-Chancellor

Editorial policies:

- a) Visva-Bharati Patrika is a miscellany and as such incorporate articles on literature and social science with obvious emphasis on Rabindranath Tagore.
- b) Visva-Bharati Quarterly : As a miscellany it includes articles on literature and social sciences.
- c) Rabindran Biksha: It centres round Tagore and prefers articles based on archival materials.

Visva-Bharati Quarterly is listed in international data base viz.

A special achievement in research publication.

The nature publishing Index:

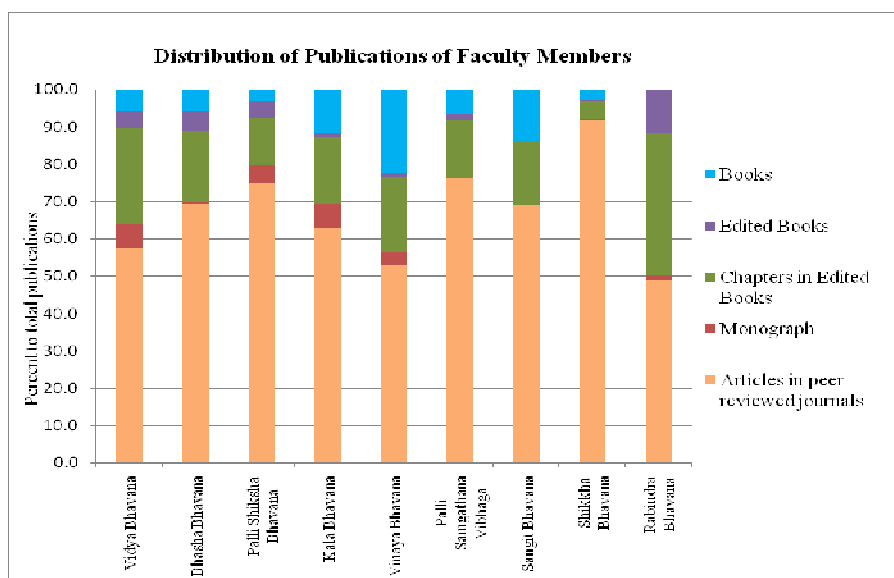
The Nature Publishing Index ranks institutions according to the number of primary research articles they publish in Nature journals. *Nature* and its family of Nature-branded sister journals is world-renowned as the pre-eminent platform for publication of the very best international research. These rankings are based on the number of papers that were published within the last 12 months. These rankings only include papers that were published as research articles (Articles, Letters and Brief Communications) or reviews in *Nature* and/or Nature monthly research journals. The index is updated weekly. According to the index date range: 16-04-2012 to 15-05-2013 for Research Articles, Visva-Bharati ranked 179 among 725 Institutions/Universities in the Asia-Pacific region.

3.4.2 Give details of publications by the faculty:

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Books edited
- * Books with ISBN with details of publishers
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

| | Articles in peer reviewed journals | Monograph | Chapters in Edited Books | Edited Books | Books | Total |
|-----------------|------------------------------------|-----------|--------------------------|--------------|-------|-------|
| Vidya Bhavana | 233 | 26 | 103 | 19 | 24 | 405 |
| Bhasha Bhavana | 694 | 2 | 190 | 54 | 58 | 998 |
| PSB | 458 | 28 | 78 | 27 | 19 | 610 |
| Kala Bhavana | 49 | 5 | 14 | 1 | 9 | 78 |
| Vinay Bhavana | 45 | 3 | 17 | 1 | 19 | 85 |
| PSV | 220 | 0 | 44 | 5 | 19 | 288 |
| Sangeet Bhavana | 85 | 0 | 21 | 0 | 17 | 123 |

| | | | | | | |
|------------------|------|---|----|----|----|------|
| Shikkha Bhavana | 1324 | 1 | 68 | 8 | 39 | 1440 |
| Rabindra Bhavana | 103 | 3 | 80 | 25 | 0 | 211 |



3.4.3 Give details of

- * faculty serving on the editorial boards of national and international journals
- * faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

Sudipta Bhattacharya –

Permanent Member of the Editorial Advisory Board of the International Journal: The International Journal of Pluralism and Economics Education, edited by Jack Reardon, Inderscience Publishers, Geneva. Will be Guest Editor on Economics Education in India: Past, Present and Future, Vol.4, No.4, Dec, 2013.

Pranab Kanti Basu –

Member of the editorial board of *Prachya*, Journal of the Centre for South Asian Studies, University of Kolkata.

Asha Mukherjee- Appointed Member in the Advisory Board of the Argument: Biannual Philosophical Journal published from University of Cracow, Poland.

Dr. K. Mavali Rajan – Member in Editorial Board, International Journal Social Science Review.

Dr. Mausumi Bhattacharyya – Guest Editor, Global Media Journal, Summer

2014 Issue, India Chapter

Prof. Manas Ray – Member, Editorial Advisory Board, Global media Journal, USA.

Prof. Jagat Ram Bhattacharyya – Editor of *Tulsī Prajñā* - A Peer Reviewed research journal of Jain Vishva Bharati University, Ladnun – 341 306, Rajasthan from 1998 to 2012.

Prof. S. Ghosh – Member, Editorial Board, Journal of Community Mobilisation for Sustainable Development, ATIC, IARI, New Delhi.

Prof. Debasis Bhattacharya - Managing Editor of *International Journal of Statistics and Management System*.

Prof. Udaya Narayana Singh – Co-Editor of International Journal of Inter-Cultural Relations; 2008-onwards.

3.4.4 Provide details of

* research awards received by the faculty and students

Faculty:

Goutam Ghosal –

August, 2012 – Awarded *Sri Aurobindo Puroshkar* from Sri Aurobindo Bhavan, Kolkata, for contribution to Sri Aurobindo Studies.

Somdatta Mandal –

Received Shastri Indo-Canadian Faculty Enrichment Fellowship in 2011.

Received Fulbright Teaching Fellowship in 2009.

Mr. Sudipta Das –

Junior Research Fellowship (UGC) in December, 2012.

Short Term Research Programme of Japan Foundation

Md. Aliul Azim –

Junior Research Fellowship (UGC) in July 2012.

Ms. Gita A Keeni –

Japan Foundation Fellowship Programme (2011-12).

Dr. Padmini Balaram –

Award for the Indigenous Research Paper and Oral Presentation on *Swastika in the East and West*, Ubon Ratchathani University, Thailand, 2011.

International Fellowship for Research: NTICVA 2014-15 Small Study Research Grant to research on ‘Direct and Indirect Influences of Indian Chintz Textiles on *Wa Sarasa* of Japan’. Awarded by NTICVA (Nehru Trust for the Indian Collection at Victoria and Albert Museum, UK. April 2014-March 2015

International Fellowship for Teaching in USA: Fulbright-Nehru Visiting Lecturer Fellowship to teach **Colours and Natural Dyes of India: Their use in Textiles and Surface Design** at **University of Nebraska Lincoln in USA,**

2013. Awarded by United States India Education Foundation. Fall Semester 2013:19 August – 18 December 2013.

Students:

MEXT Scholarship – 2

| Sl. no | Name of the students | Year | Name of the University |
|--------|----------------------|-------------|----------------------------------|
| 1. | Aneesha Nishat | 2012 ~ 2013 | Nagoya University, Nagoya, Japan |
| 2. | Sudip Singha | 2012 ~ 2013 | Nagoya University, Nagoya, Japan |

National Scholarship –

Sudipto Mondal, Rameez Wahid, Prakash Kishore.

- * **national and international recognition received by the faculty from reputed professional bodies and agencies**

Goutam Ghosal –

Received Nolini Kanta Gupta Smriti Puroshkar, Kolkata, 15 April 2009.

Received First Prize, Pratibha Patil Poetry Award, 12 November 2009.

Somdatta Mandal –

Received the Meenakshi Mukherjee Memorial Prize 2014 from Indian Association for Commonwealth Literature and Language Studies for the Best Scholarly Essay published in the year 2012-13.

Prof. Arunaranjan Mishra :

Awarded, 'Vikram-Kalidasa Puraskar' along with a cash prize of Rs. 5000/- only as my article "Traces of Meghadutam in Bhamaha's Kavyalankarah" was considered the Best Paper in the Senior (above 50) category at the Kalidasa Samaroha (29.10.09 to 04.11.09) organized by Kalidasa Academy and Vikram University, Ujjain.

Dr. R.N. Mishra –

Awarded "Hindi Sahitya Samman by Hindi Sahitya Sammelan Prayag, Alld, 2010.

Prof. Jayeeta Ganguly awarded the first prize in Raj Bhasha Sruti Lekha Competition on 25th September 2011.

Dr. Sangwhan Shin, an ex-faculty member of the department was awarded with the Academic Excellent Book of 2011 for 'Nagarjuna's Thought' by Ministry of Culture, Sports and Tourism of Korea(s).

Prof. Manoranjan Pradhan – Odisha Sahitya Academy Award (2011)

Prof. Kailash Pattanayak – Jhankar Award (2010) for Literary Criticism

Prof. Sabita Pradhan – Awarded as a women critic by Orissa Lekhika Samsad on 06th March 2011.

Sujay Malakar and Surajit Biswas received Junior Fellowship from Ministry of Human Resource 2011-12.

Dr. B. Duary - Recognition award 2011 by DWSR, ICAR for successful completion of NIWS project –Ministry of Agriculture and Cooperation, Govt. of India.

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D.

Average number of successful M.Phil/Ph.D scholars: 2 per faculty

Yes university participates in *Shodhganga* by depositing 35 Ph.D theses

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

As per decision of Research Board a committee has been formed to look into the research proposals before recommending then to higher funding authority. No case of plagiarisms has been reported so far.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes, the university does promote interdepartmental/interdisciplinary research. More than ten interdepartmental/interdisciplinary research projects have been undertaken.

About twenty departments are engaged in interdepartmental/interdisciplinary research projects like

Departments under Kala Bhavana, Sangit Bhavana, Department of Social Work, Silpa Sadan, Department of Education, Rathindra Krishi Vigyan Kendra, Department of Chemistry, Department of Zoology, Department of Botany, Department of Biotechnology, Department of Physics, Department of Environmental Studies, Department of Geography, Rabindra Bhavana are involved in such endeavours.

3.4.8 Has the university instituted any research awards? If yes, list the awards.

The University has arranged Research grant of Rs. 10000/- for all faculty members.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

Incentive is provided in the form of appreciation by recording the achievement in the resolutions of Academic council, Executive council and court.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

The University offers structural consultancy as and when requested by Govt. and reputed non-govt. organisation.

- a) The University offered consultancy services in publication and cultural function to Raj Bhavan, Kolkata on the occasion of celebration of hundred years of award of Nobel to Rabindranath by Lord Carmaichael in Raj Bhavana in 1913.
- b) Offered consultancy service in setting up a Tagore museum in Mauritius.
- c) Requested to offer consultancy service in setting up a Tagore Gallery in National Library, Kolkata.
- d) A partnership programme with Narayana Hridaylaya in already on.

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

- a) The university has a close linkage with industry.
- b) **Job fair** – 17 companies of various sectors participated in the ‘job fair’ at the university campus on 4th and 5th July, 2014 and a good number of students were selected for placement.
- c) Silpa Sadana i.e. Industrial Training Institute is in close touch with industry as almost all the pass-out students of different Diploma courses of Silpa Sadana are employed in reputed industries in India and abroad.

3.5.3 What is the mode of publicizing the expertise of the university for consultancy services? Which are the departments from whom consultancy has been sought?

The details of the faculty are available in our website. As such the interested parties have the option to select from them.

Almost all science departments including Integrated science and Palli Sanghathan Vibhaga are approached for consultancy work

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

The University is happy to receive a certain portion of the honorarium received by the faculty for consultancy service.

3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.

Palli Siksha Bhavana:

- a) Faculties of the institute provide career counselling and guidance to the students for the preparations of ICAR-Junior Research Fellowship Examination, ICAR-Senior Research Fellowship Examination, ICAR-NET Examination and competitive examinations such as Agricultural Research

Service Examination, West Bengal Agricultural Administrative Services without any additional remuneration.

- b) Free consultancy to the farmers over telephones, by appointments and personal contacts by the faculties.
- c) Faculties of Palli Siksha Bhavana take part regularly in vocational training, farmers' training, entrepreneurship development training and training for extension personnel are being conducted by the Rathindra Krishi Vignan Kendra (RKVK).
- d) Regular soil testing service to the farmers and researchers by the Soil Testing Laboratory.
- e) Weed survey and surveillance are done in different crops, cropping systems, non-cropped areas and aquatic bodies in different agro-climatic zones of West Bengal by the scientists of AICRP-Weed Control, an ICAR sponsored centre.
- f) Regular awareness programme on Parthenium weed in the surrounding localities by AICRP-Weed Control centre in conjunction with faculties and students of the institute.
- g) Advisory service to farmers regarding weed menace and control measures in crops and cropping systems by AICRP-Weed Control centre.
- h) The Agricultural Farm caters to some extent good quality seeds of high yielding varieties of common field crops grown locally at reasonable lower price.
- i) The Horticultural Farm of the institute raises and freely supplies grafted saplings of fruit trees to the local members of Self Help Group on the occasion of *Hala Karshana*, the Festival of Ploughing each year.

Areas of income generation:

- a) An income of approx. Rs.25000/- each year by leasing of the mango orchard by the Agricultural Farm.
- b) Around 1 lakh income by the Agricultural Farm from its different agricultural production.
- c) An income of approx. 5000/- each year by the Dairy Farm of the institute.
- d) Income by Horticultural Farm approx. Rs. 25000-30000/-

Bhasha Bhavana:

Bengali- Bengali Operating System (OS) developed by Microsoft Corporation was a fruit of professional consultancy by the two Faculty Members of the Department (2005). Income generated was Rs 1, 00,000/- (Rs. One Lakh only) submitted to Visva-Bharati by Microsoft Corporation.

Kala Bhavana: Painting

- a) Statue Relief of Mahatma Gandhi IGNCA New Delhi. Income generated/total

project 8,50000.

- b) Statue of Rabindranath Tagore National Library Kolkatta 2008. Income generated/Total Project Cost 12,00000.

Rabindra Bhavana:

- a) Prof. Uday Narayan Singh supervised as Director or Consultant several major research projects on Language Movement (funded by MSU & Centre for Social Studies), NLP (DoE), Digital Documentation (SASNET & SIDA, Sweden), Machine Translation (MC&IT), and Linguistic Data Consortium in Indian Languages (LDC-IL) - MHRD. Besides the above, he was the Chief of the National Translation Mission (NTM) specially approved by the Prime Minister of India, and also the Chief Consultant of the Microsoft's Validation Project for Vista; Director, NSOU-CIIL Joint Project on Bangla Online, 2002-04 and Director, CIIL-SAG (Ministry of Defence) Spoken Corpora and Contemporary Corpora Projects in Hindi, Bangla and Manipuri, 2005-07. In addition, he had conceived of and executed the Bhasha Mandakini Project under which 560 films were made on Bangla, Tamil and Kannada language, literature, and culture. For the large projects designed and supervised, also look at:
- b) The *National Translation Mission* (or, *NTM*) at www.ntm.org.in
- c) The *National Testing Service* (or, *NTS*), and at www.ciil.miles.net & www.nts.net
- d) The *Linguistic Data Consortium for Indian Languages* (or, *LDC-IL*) at www.ldcil.org.
- e) Besides the *Centre of Excellence in Classical Tamil* (*CECT* as described in www.ciil-classicaltamil.org), which has now flowered into a new institution – called the CICT at Chennai.
- f) Prof. Tapati Mukhopadhyay is the Chairperson of a Committee constituted by UGC for monitoring construction of women hostels in a few colleges of Chhattisgarh.

Shiksha Bhavana:

- a) Zoology: Prof. Santanu Ray - TATA steel (1.0 lakh), C-STEP, Bangalore (1.0 lakh)
- b) Chemistry: (i) Overhead Charges of research projects, (ii) Charges for NMR of sample analysis.

Palli Samgathana Vibhaga:

Silpa Sadana: Textiles products designing, Furniture designing & production, Ceramics & Pottery

3.6 Extension Activities and Institutional Social Responsibility (ISR)**3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.**

Visva-Bharati has a long tradition of discharging its responsibilities to the larger community beyond the campus in its adopted fifty villages through the Department of Social Work, Rural Extension Centre (Adult Education Centre), Vinaya Bhavana (School of Education). During the last XIth plan period most of the departments across the Bhavanas had undertaken extensive outreach programmes as a part of Institutional Social Responsibility (ISR). It may also be noted in this connection that the two schools under Visva-Bharati regularly visit in nearby villages notably the Santal villages in and around Santiniketan and Sriniketan to organise different types of socially responsible activities as 'Service to the community'.

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

The National Service Scheme (NSS), in which about 6,000 students participate on a regular basis, is one means of promoting university-neighbourhood engagement. Apart from the NSS, several departments especially Department of Social Work, Rural Extension Centre, Silpa Sadana, Centre for Journalism & Mass Communication have included in their curricula the field trips to nearby villages. They take up neighbourhood survey and development schemes as 'Health Awareness Camp', 'Anti-Drug Campaign', 'Proper rehabilitation of the destitute', 'Awareness regarding importance of sanitation', 'Legal Awareness Camp', 'Cultural activities', 'Nature Awareness Camp' etc. Details of these may be found in the reports of individual departments.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

The members of faculty involved with the NSS get a monthly allowance; students receive merit certificates for participation in activities (e.g. blood donation camps); students are being encouraged for certain projects (e.g. campus beautification, eco-friendly zone, plantation of saplings); faculty and staff members are encouraged to be involved in NSS and similar activities; many students involved with centres such as Women's Studies and the university's Counselling Cell are involved in providing services to the community.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Many departments have carried out surveys and research/extension activities which have had a direct impact on the lives of the larger community in and around Santiniketan and Sriniketan. Over 1,00,000 people are being benefitted directly from such activities. Department of Social Work and the Rural Extension Centre run training programmes in skill development that have benefitted thousands of individuals. Department of Environmental Studies has been instrumental in propagating the nuances of the hazards of pollution during the festivals every year. Department of Social Work undertakes programmes related to 'Labour issues' to ensure social justice and empower the underprivileged and the most vulnerable sections of society. The Women's Studies Centre is exploring possibilities to undertake gender sensitization work among communities in and around Santiniketan and Sriniketan.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

Yes. Records are kept of NSS activities and the Dean of Students keeps track of students' involvement in such activities. Introducing a credit course on same is in the pipeline.

The departments evaluate the projects related to social activities of the students on regular basis.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

Students of Visva-Bharati get enriched by understanding of society and social processes that go beyond the confines of the syllabus. Extension activities help them to achieve this. The Departments inculcate values through extension activities, include taking care of the mother nature, community consciousness, respecting human relations, the ability to carry others along when trying to fulfill a specific task.

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

All the activities described above (see especially 3.6.2 and 3.6.4) have specific methods and protocols to develop community participation. Details of community participation in activities can be found in the reports of specific departments and centres.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

Visva-Bharati, as an institution has not received any award. Individual teachers have, however, received so. Details are under the entries for individual departments

and centres. It is to be mentioned that during the visits by several state and central government agencies, the excellence of the extension activities for community development by the Palli Samgathana Vibhaga was duly acknowledged.

3.7 Collaboration

3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

The collaboration with various Indian institutions and foreign universities has opened up new vistas of diversity in concepts and thoughts on campus. The MOU signed between Yunnan university of China and Visva-Bharati emphasizes joint research activities, exchange of faculty members, graduate and undergraduate students for research and study. It was also emphasized that financial arrangements will have to be negotiated and depend on the availability of funds.

It was also emphasized in the MOU that Yunnan University will undertake to help Visva-Bharati develop China Bhavana. As such financial gain notwithstanding, mutual gain in cementing academic bond which will be congenial for the overall development of both universities is indeed fruitful for Visva-Bharati.

Bangladesh Bhavana is going to be constructed soon as the behest of Bangladesh Govt.

3.7.2 Mention specific examples of how these linkages promote

* Curriculum development

In a recently signed MOU between the Department of Education, Binay Bhavana and Ramkrishna Mission Sikshan Mandir, Belur Math, Howrah, a college of teacher Education and Visva-Bharati, the curriculum development in B.Ed. course of Visva-Bharati is largely influenced by syllabus and suggestions of the partner institution. The inclusion of Swami Vivekananda's philosophy in the course curriculum under Makers of India series in curriculum of B.Ed. course in Vinaya Bhavana substantiates the impact of binary relationship on development of curriculum.

* Internship

Exchange of students and faculties at all levels viz. U.G, P.G, M.Phil and Ph.D is a redeeming feature of the MOU.

* On-the-job training

The staff members frequently visit the partner institution for attending training workshop and seminars.

* Faculty exchange and development

In almost all MOUs, Faculty Exchange and Development is an integral component.

* Research

Research is a major thrust area of international MOUs. For instance, in a MOU between Edinburg Napier university and Visva-Bharati it has been emphasized that the universities will also enter into discussions about exchanges and delivery of postgraduate taught and research degree programmes.

Joint Ph.D supervision:

In a MOU signed between Defence Research Laboratory, Tejpur with Visva-Bharati, joint Ph.D supervision has been accorded due weightage Visva-Bharati shall recognise and affiliate DR as its Ph.D research centre. The scientists DRL may be registered at Visva-Bharati as approved guides for supervision of Ph.D research.

* **Publication**

Publication also figures prominently in the MOUs. In a MOU, signed between Kala-Bhavana, Visva-Bharati and Burapha University, Thailand it has been categorically stated that the host university is responsible for all expenses for publication of an exhibition catalogue which includes name of artists and artworks and a briefing to each work. This catalogue is expected to be published by Bhurapa in 2015 and Visva-Bharati will do Vice versa in 2016.

* **Consultancy**

The faculty of both institutions will offer consultancy service to the students of both the universities.

* **Extension**

Both Vinaya Bhavana, Teachers Training Institute of Visva-Bharati and Ramkrishna Sikshan Mandir had agreed upon to organise various extension activities from time to time for the benefit of Headmasters, teachers and administrators of adjoining neighbourhood secondary schools.

* **Student placement**

This is not explicitly stated in MOU.

* **Any other (please specify)**

Credit transform of students has figured in general between Ecole superieure DES Beauty Arts – Tours Angers Le Mans) and Visva-Bharati.

Both the institutions are committed to transfer the students marks/credits just after the study period.

3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

Yes, Visva-Bharati has signed several MoUs between national and internationally acclaimed institutions.

Yes, it has enhanced and enriched the concerned research through broad exposure and good training.

| Sl. No. | Name of the Indian Institution | Name of the Foreign Institution | Date of Twinning Arrangement |
|---------|--------------------------------|---------------------------------|------------------------------|
| 1 | | Yunnan University, | 21/04/2011 (05 |

| | | | |
|----|---|---|-------------------------|
| | | Kunming & Visva-Bharati | Yrs.) |
| 2 | | Drury University & Dept. of Environmental Studies, Siksha-Bhavana, Visva-Bharati | 23/11/2010 (05 Yrs.) |
| 3 | | Ecole Superieure Des Beaux-Arts Tours Angers Le Mans, FRANCE with Kala-Bhavana, Visva-Bharati | 10/08/2013 (03 Yrs.) |
| 4 | | Royal Academy of Art (KABK) The Hague, Netherlands with Kala-Bhavana, Visva-Bharati | 05/08/2013 (05 Yrs.) |
| 5 | | University of Connecticut & Visva-Bharati | 04/11/2006 (08 Yrs.) |
| 6 | | Edinburgh Napier University & Visva-Bharati | 05/01/2014 (05 Yrs.) |
| 7 | | Royal University of Bhutan & Visva-Bharati | 17/06/2011 (05 Yrs.) |
| 8 | Bose Institute, Kolkata & Visva-Bharati | | 21/02/2013 (05 Yrs.) |
| 9 | North East Institute of Science & Technology CSIR with Visva-Bharati | | February 2010 (05 Yrs.) |
| 10 | DRDO, DRL Tejpur with Visva-Bharati | | 08/04/2014 (05 Yrs.) |
| 11 | Ramkrishna Mission Sikshan Mandir (College of Teacher Education), Belur Math, Howrah & Vinaya Bhavana (Dept. of Education), Visva-Bharati | | 2014 (05 Yrs.) |

3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yet to start.

Any other information regarding Research, Consultancy and Extension which the university would like to include.

Highly qualitative and collaborative research at both national and international level is a redeeming feature of academic ambience of Visva-Bharati. Outreach

programmes conducted by several departments and Bhavanas of Visva-Bharati keep up Tagore's ideal of serving ailing humanity.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The University has made provision for adequate number of class rooms, library facility and accommodation for hostels. The University provides a wide range of physical infrastructure for the students. This includes playground adjacent to almost all the Bhavanas/Institution, gymnasium, Yoga and Meditation Centre with library, etc. The University has made schedule in such a manner which helps the students to use the infrastructure.

The students are given access to use the playground and gymnasium in the morning from 6:00 am to 9:00 am and in the evening from 4:00 pm to 6:00 pm so that students do not miss their classes.

The Yoga and Meditation Centre was established at Dwijabiram Heritage Complex to create a hub where students, faculty, staff of the University can meditate and read books related to Yoga Asana, Pranayama etc. Keeping the schedule of the classes in mind, the Yoga and Meditation Centre and its library are kept opened in morning from 6:00 am to 9:00 am and in evening from 3:00 pm to 7:00 pm.

To ensure maximum participation of students in all the events, a better communication with students is required. Dean of Students' Welfare maintains a student's Data-Base, wherein contact address of students such as phone number, email address are available. Through instant messaging techniques such as Bulk SMS, students are informed about every training programme or activity. Instant communication with the students helps the University Authority to ensure maximum involvement of the students in all types of activities of the University.

Further, notification, circulars and notices regarding every activity/event are uploaded in the University websites which help the students to be aware of various activities of the University and enhance their enthusiasm to participate in various activities such as games & sports, cultural events etc.

Students are awarded with prizes and mementos for their performance and participation in various cultural and sports activities to encourage them to participate.

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

The university has constructed several buildings to promote good teaching-learning environment.

A few recent initiatives:

- a) New building of Bhasa-Vidya Bhavana

- b) New building of Sangit Bhavana (Institute of Music, Dance and Drama)
- c) New Building of Vinaya Bhavana (Institute for Teacher's Training)
- d) Golden Jubilee Building in Sriniketan.
- e) New building for Silpa Sadana (Industrial Training Institute)
- f) Annexe Building of library
- g) Integrated Science Building

4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

The University provides adequate research facilities namely computer and other electronic gadgets, adequate number of books, e-journals, e-books to create a conducive atmosphere for higher learning and research.

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes. In all Bhavanas adequate facilities for academic and administrative activities are provided in the form of office room. A common room for students is also provided. There are separate rest rooms for women students and staff.

4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?

- a) Ramp for physically challenged students has been introduced in new constructions like central library, Lipika auditorium etc.
- b) Brail system is introduced for visually challenged in the central library.

4.1.6 How does the university cater to the requirements of residential students? Give details of

*** Capacity of the hostels and occupancy (to be given separately for men and women)**

*** Boys' hostel**

- i) Number of hostels: 12
- ii) Number of inmates: 1066
- iii) Facilities: Electricity, Purified Drinking Water, Kitchen, Hospital, Playground, Gymnasium, Newspaper, Magazines, Telephones, Television, Common room, Visitor's room, indoor games etc.

*** Girls' hostel**

- i) Number of hostels: 13
- ii) Number of inmates: 1058
- iii) Facilities: Electricity, Purified Drinking Water, Kitchen, Hospital, Playground, Gymnasium, Newspaper, Magazines, Telephones, Television, Common room, Visitor's room etc.

*** Recreational facilities in hostel/s like gymnasium, yoga centre, etc.**

A centrally located gymnasium and yoga centre are slated for students in_.

* **Broadband connectivity / wi-fi facility in hostels.**

Broadband connectivity is provided in hostels.

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

A hospital viz Pearson Memorial Hospital under the aegis of Visva-Bharati caters to the medical need of staff and students of Visva-Bharati.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Promotion of sports:

- (a) In order to involve students in various sports activities and to develop their physical well-being, University has made games and sports compulsory for the first year students, which is extendable to second year. There are six sports nodal units in both the campus of the University (i.e. Santiniketan and Sriniketan), where facilities are provided for playing outdoor games such as basket ball, lawn-tennis, football, volleyball, throw ball, Kho-Kho, Kabaddi, athletics, cricket. There are twelve sports trainers on contractual basis, two for each sports nodal coaches who train the students. These 12 trainers include 3 women trainers, who help the women players of the University to develop their skill in sports. A well defined infrastructure is also offered to develop their skills in indoor games such as judo, yoga, chess etc. Instructor specialized in Judo, Cricket and Basket Ball are hired for training the students.
- (b) University has two gymnasium equipped with all modern equipments. The Multi-speciality gymnasium at New Sports Complex at Vinaya-Bhavana is facilitated with infrastructure to play various indoor games such as table-tennis, badminton, weight lifting.
- (c) Swimming pool of international standard is on its verge of completion and shortly it will be in use.

Cultural events/activities

Every year students of the University between the age group of 18-25 years participate in UNIFEST, which is organized by Association of Indian Universities, held at Zonal and National Level in various parts of the country. Prior to the participation in UNIFEST, every year Dean of Students' Welfare office of the University organizes Intra-University Cultural Fest cum Selection Trial in which students participate in various events falling in the categories of Fine Arts, Music and Literary.

List of competition organized in the University:

FINE ARTS

- i) Collage
- ii) Poster Making
- iii) Spot Painting

- iv) Spot Photography
- v) Clay Modelling
- vi) Rangoli
- vii) Cartooning

MUSIC EVENTS

- i) Classical Instrumental, Solo (Percussion)
- ii) Classical Instrumental, Solo (Non-percussion)
- iii) Light Vocal
- iv) Western Vocal
- v) Classical Vocal, (Solo) Hindustani, (Khayal/Dhrupad)
- vi) Group Song, (Indian) (Western)
- vii) Classical Dance, (Solo)
- viii) Folk Dance
- ix) Group Dance

LITERARY EVENTS

- i) Quiz
- ii) Debate
- iii) Elocution

Student/group of students who hold the first position in the above mentioned events are selected for East Zonal UNIFEST. Subsequently, they are selected for UNIFEST at National Level.

Emphasis is given to the students to participate in various cultural events organized by other University across the country. Eg. Students take part in Damodashree National Essay Writing Competition organized by S.S Khanna Girls' Degree College at Allahabad.

Other than Intra-University Cultural Fest cum Selection Trial, Ceremonial Parade during Independence Day and Republic Day are organized. Students involved in National Cadet Corps, (NCC), National Service Scheme (NSS) take part in the Parade. Rehearsal goes for more than a week prior to Independence Day and Republic Day so that students could give their best during the Parade.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Library Development Advisory Committees, they consist of Vice Chancellor (Chairman), 5 Head of departments, Head of Computer Centre and University Librarian.

4.2.2 Provide details of the following:

- * **Total area of the library (in Sq. Mts.)**
8649 sq mts

- * **Total seating capacity**
550
- * **Working hours (on working days, on holidays, before examination, during examination, during vacation)**
Central Library
 All days except weekly holidays
 (Wednesday & Sunday): 7 a.m. to 8 p.m.
 Wednesday and Sunday: 10 a.m. to 5 p.m.
 During Vacation: 7 a.m. to 8 p.m.
 Before Exam: 7 a.m. to 8 p.m.
 During Exam: 7 a.m. to 8 p.m.
 Other holidays: 10 a.m. to 5 p.m.
Sectional Libraries
 Working days: 10 a.m. to 5 p.m.
- * **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**
 Lounge area for browsing : 1 (Central Library)
 Relaxed are for reading : 1 (Central Library)
 I.T. Zone for accessing e-resources : 1 (Central Library)
- * **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection**
 Floor Plan and Sign Boards are provided
 Braille unit for Visually Challenged Users (2 in no), talking books, personal assistance.
 Open access and OPACs are the mode of access to collections

4.2.3 Give details of the library holdings:

- a) Print (books, back volumes and theses) - 8,51,100
- b) Average number of books added during the last three years - 9659

| Libraries | 2010-11 | 2011-12 | 2012-13 |
|---------------------------|---------|---------|---------|
| Central Library | 6525 | 4081 | 3946 |
| PSB | 1270 | 1422 | 829 |
| Vinaya Bhavana | 359 | 499 | 26 |
| Sikha Bhavana | 31 | 91 | 313 |
| Patha Bhavana | 486 | 287 | - |
| Darshan Bhavana | 74 | 74 | 74 |
| Hindi Bhavana | 439 | 208 | 94 |
| Sangit Bhavana | 2049 | 435 | 17 |
| Palli Samagathana Vibhaga | 632 | 490 | 829 |
| Cheena Bhavana | 200 | 67 | 79 |

| | | | |
|------------------|---------------|--------------|--------------|
| Rabindra Bhavana | 427 | 401 | 346 |
| Kala Bhavana | 414 | 352 | 54 |
| Siksha Satra | 645 | 394 | 18 |
| Total | 13,551 | 8,801 | 6,625 |

c) Non Print (Microfiche, AV) - 1445

d) Electronic (e-books, e-journals)

E-books : 3836

E-Journals : 63

Total : 3899

(Access to 87,911 e-books and 52,634 e-journals through various consortia)

e) Special collections (e.g. text books, reference books, standards, patents)

Special collections in text books, reference books, local history, rare books, manuscripts amounting to 31,548 documents

f) Book Banks - No

g) Question Banks

Yes. Provided through the Institutional Repository

4.2.4 What tools does the library deploy to provide access to the collection?

* OPAC

* Electronic Resource Management package for e-journals

* Federated searching tools to search articles in multiple databases

* Library Website

* In-house/remote access to e-publications

* OPAC, WebOPAC as well as printed catalogue cards

* Library Website

* Library Brochure

* In-house newsletter

* Remote Access (being purchased)

* Federated Search (being purchased)

* Uploading of all digitised books and theses on to Libsys

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

* Library automation

LIBSYS – 7 (Unicode web compliant library software), all 13 libraries are networked, issue and return fully automated, WebOPAC, Federated Search System

* Total number of computers for general access

26

* Total numbers of printers for general access

01

* Internet band width speed 2mbps 10 mbps 1 GB

- 10 mbps
- * **Institutional Repository** (on DSpace)
 - Syllabus
 - Question papers (2007 onwards)
 - Publications of faculties and other members of Visva-Bharati
 - Theses
- * **Content management system for e-learning**
- * **Participation in resource sharing networks/consortia (like INFLIBNET)**
 - a) INFLIBNET (UGC-Infonet (INFLIBNET, IndCat, Sodhganga, Sodhgangotri including Turnitin, iThenticate)
 - b) DELNET
 - c) American Library, Kolkata
 - d) British Council Library, Kolkata

4.2.6 Provide details (per month) with regard to

- * **Average number of walk-ins**
26,561
- * **Average number of books issued/returned**
 - Issued : 9123
 - Returned : 6133
- * **Ratio of library books to students enrolled**
57:1
- * **Average number of books added during the last four years**
Books(Print) : 10,608
- * **Average number of login to OPAC**
10000 (Approx.)
- * **Average number of login to e-resources**
1000 (Approx.)
- * **Average number of e-resources downloaded/printed**
915 (Approx)
- * **Number of IT (Information Technology) literacy trainings organized**
Once in a month and also on request of individual user

4.2.7 Give details of specialized services provided by the library with regard to

- * **Manuscripts**
- * **Reference**
The reference librarian and his team maintain the reference section as well as provides reference services to students, faculty and staff (averagely 100 users per month).
- * **Reprography/Scanning**
Outsourced. Facility is open from 8 am to 8 pm on all days. Self-scanning facility too is provided.

- * **Inter-library Loan Service**
Very popular service. Provided through link-up with DELNET, British Council Library, Kolkata and American Library, Kolkata.
- * **Information Deployment and Notification**
Display of new arrivals at the entrance of the Library, e-newsletter, Library Website, Current Awareness Service (fortnightly), Newspaper Clipping Service (fortnightly) and New Arrival Alert Service (fortnightly).
- * **OPACS**
OPAC and WebOPAC are available
- * **Internet Access**
Available to the users through all the PCs in the Library.
- * **Downloads**
Facility is open from 7.30 am to 7.30 pm all days.
- * **Printouts**
Facility is outsourced. Open from 8.00 am to 8.00 pm all days.
- * **Reading list/ Bibliography compilation**
- * **In-house/remote access to e-resources**
- * **User Orientation**
14 Orientation programmes were conducted during the current year and demonstration programme on e-resources.
- * **Assistance in searching Databases**
The reference section staff provides assistance in respect of all databases, WebOPAC, E-journals, e-books etc. Facilitate remote access, federated search, use of Turnitin and iThenticate.
- * **INFLIBNET/IUC facilities**
Library has INFLIBNET Centre under the name 'Gitanjali Net' with different ICTs related equipments (e.g. Storage, Server, UPS, Computers, Scanners etc.) through which digital and electronic resources are processed, organized, stored and disseminated to the academic community for their research and development. Remote Access too is provided through the network.

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

| Budget Head | Amounts Allocated (Rs. in lakhs) | Amount spent for purchasing new Books and Journals (Rs. in lakhs) |
|-------------------------------|----------------------------------|---|
| Plan | 140 | 100 (expected) |
| Non-plan /Revenue (Recurring) | 9 | To meet the recurring expenditure of the libraries |

4.2.9 What initiatives has the university taken to make the library a ‘happening place’ on campus?

Organised various activities like drama by blind students, study circles, book exhibitions, workshops/seminars, observation of Gandhi Punyaha Day, sensitisation programme on gender issues, opening of tea corner, permanent exhibition of Tagore etc.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

Library collects feedback from its users through e-mail, hardcopy questionnaire, interactive session during users’ Orientation Programmes, direct personal contact, and through suggestion box. Collected feedbacks are being analysed in the Library Officers’ meeting to sort out the feasible solutions. On the basis of the collected feedback some improvements carried out with immediate effect, if possible. Some are taken-up by the library authority on priority basis as per the nature of the requirements.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

- a) Renovation of old building (Central Library)
- b) Renovation of toilets
- c) Renovation of floors
- d) Renovation of cycle stand
- e) Extension of Library building (construction of annex building)
- f) Construction of underground water reservoir (50000 Litre) for fire safety
- g) Installations of ACs
- h) Installation of EPABX
- i) Installation of water cooler and purifiers
- j) Installation of fire extinguishers
- k) Installation of CCTV
- l) Installation of high capacity UPS
- m) Installation of server, storage, etc.
- n) Introduction of proper electrical wiring
- o) Automatic timer poll lights at the library premises
- p) Introduction of Wi-Fi
- q) Procured ICTs related equipments (Computers, Scanners, Barcode Printer, Network Printer cum - copier, etc.)
- r) Procured furniture for the library
- s) Development of the library premises with paper block roads, drainage, etc.
- t) Development of infrastructure for the physically challenged users

- u) Fencing of the entire library premises
- v) Gardening for beautification of the library premises.
- w) Central Library: Revamping of Reading Rooms, and Reference Section by air-conditioning, replacement of old furniture with ergonomically designed modern ones,
- x) Provision of wi-fi zones, and
- y) Opening of Library on holidays
- z) Creation of Career Corner in the Library
- aa) Out-sourcing of cleaning/ sweeping & stack rectification

4.3 IT Infrastructure

4.3.1 Does the university have a comprehensive IT policy with regard to

- IT Service Management
- Information Security
- Network Security
- Risk Management
- Software Asset Management
- Open Source Resources
- Green Computing

An IT resource usage & maintenance policy is followed in the university. A coded policy towards IT assets (acquisition and refresh), security and risks is to be coded.

4.3.2 Give details of the university's computing facilities i.e.,

- **hardware and software.**
 - a) Blade server
 - b) Desktops
 - c) Laptops
- **Number of systems with individual configurations**
At Computer Centre
 Blade Server -1 : (HP C 7000 BL 460, Blades populated: 4, Blade configuration: Intel performance xeon)
 Desktop -69 : (Processor-Intel Core2 Duo, 1/2/4 GB RAM, 150/200 GB HDD)
 Laptop – 10 : (Processor- Intel Core2 Duo, RAM 2GB, 232 GB HDD)
- **Computer-student ratio**
 Approx. 500 : 6800
- **Dedicated computing facilities**
 Each department / centre has its dedicated computing facilities.
- **LAN facility**
 Campus OFC backbone for 65 units (GitanjaliNet)
- **Proprietary software**
 MS Windows, MS-Office, Adobe CS
- **Number of nodes/ computers with internet facility**

Approx. 500+

- Any other (please specify)

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Efforts to procure funding are being made for:

- Expanding the computer centre building.
 - Refreshing the active components of campus network.
 - Creating WiFi Zones in the campus.
 - Creating assistive technology for differently-abled students and staff-members.
- Provision of new generation of hardware for students and faculty members.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

- Students are provided with facility to pursue MOOC.
- NKN courseware is available for the students.
- University repository is available on YouTube.

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

Each dept. Provide computer lab for its students.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

Teachers use OSS and proprietary software for preparing study material. Research journals are available under UGC-Infonet.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

All class rooms have LCD projection and use facility.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

Teachers use OSS and proprietary software for preparing study material.

4.3.9 How are the computers and their accessories maintained?

Each department / centre has its independent maintenance policy.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

All services under NKN are available.

- 4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?**
Yes. It is accessible to all.
- 4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.**
Approximately Rs.7 lakh is allocated for computing resources at computer centre.
- 4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?**
The courses are progressively incorporating off-campus project and IT network is used for this purpose.

4.4 Maintenance of Campus Facilities

- 4.4.1 Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**
Yes, the University has an estate officer but the supervision of infrastructure in under the supervision of university Engineers.
A few campus specific initiatives:
a) Natyaghar an auditorium with all modern facilities had been kept under the supervision of University Engineers.
b) Newly constructed Bhasa-Vidya Bhavana
c) Science Building.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The University has set up of Engineering, sanitation, garden and Estate Departments through which all repair renovation/maintenance works are carried out. Moreover, since the University campus is not covered under any municipal authority, municipal services like lifting and distribution of water, maintenance of street light, maintenance of sanitation sewerage system etc. are done by the University with their own resources through the above wings. In case of larger and complicated project external expertise from major organisation like CPWD, NBCC, West Bengal Public Health Engineering, WBSEDCL is also sought.

Any other information regarding Infrastructural and Learning Resources which the university would like to include.

Visva-Bharati Central Library including the Departmental libraries caters to the requirement of students, researchers, academic as well. Rabindra Bhavana library is used extensively by Tagore researchers and connoisseur.

CRITERION V: STUDENT SUPPORT AND PROGRESSION**5.1 Student Mentoring and Support****5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?**

We have a Students Counselling Centre which caters to the academic and mental support of the students. The centre is under the supervision of Director, Physical Education and the Centre functions regularly and promotes students interest.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

The University arranges:

- a) Career counselling programmes
- b) Regular interaction with the faculties.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to wellbeing for its students? Give details of such schemes.a) **Counseling Cell:**

The University has set up a Counselling Cell for the students. A Psychological Counsellor visits the University once in a week and deals with the various issues of the students personally with face to face communication.

b) **Personality Development Class:**

To guide students and to develop their personality, Students Activity Centre of the University organizes 80 hours Personality Development Training twice in the year 2013-2014. The programme is offered by Tata Consultancy Services (TCS), Kolkata.

c) **Spoken English Classes/Communication English**

To develop the communication skill of the students, 3 months Spoken English Classes are conducted twice in a year. Students are encouraged to apply for the course to enhance their employability skill.

d) **First Aid Course:**

This course was also started in the year 2013 by the Students' Activity Centre under the aegis of the Director, PSNS for enhancing the employability skill of the students. A short term 7 – Day course is organized for the students. The training is imparted by external association such as St. Johns' Ambulance Association or Red Cross Society of India.

e) **Yoga and Meditation Workshop**

As of now, the Yoga and Meditation Centre remains opened for six days in a week except Monday. To ensure that students stay at the best of their health, Yoga and Meditation Workshop has been started in the University. To start with, a 7 – Day free session was organized from 02.07.2014 to 08.07.2014. Other programmes to this effect will be started shortly.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

The University provides assistance to students for obtaining bank loans in two ways.

- By explaining the procedure and paraphernalia of the process through which the banks may be approached for bank loans.
- By forwarding the applications to the bank.

5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

The University publishes its updated prospectus annually where the main issues, activities and information about the university are incorporated.

The following information are provided in the annual prospectus.

- Important Information and guidelines for the applicants. Including online application procedure.
- Objectives of the University, rules and regulation and railway time table.
- Introduction.
- Brief description of all Bhavnas (Institute)

Online access is provided to students to download the brochures.

5.1.6 Specify the type and number of university scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./ Diploma/others (please specify).

Merit Scholarship : 20% of the roll strength of students of Class X of School Certificate Course, each class of Pre-degree Course and each semester/year in each Department in Undergraduate and Postgraduate Courses, subject to a minimum of one (provided the candidate fulfils the eligibility criteria), shall be allocated every year on the basis of merit and on the recommendation of the Head of the Department and Adhyaksha of the Bhavana/Sadana/Vibhaga concerned.

| Sl No. | Rate of Merit Scholarship | Residential (Rs. P.m.) | Non-Residential (Rs. P.m.) |
|--------|------------------------------|------------------------|----------------------------|
| 1. | School Certificate – Class X | 200.00 | 150.00 |
| 2. | Pre-degree Course | | |
| 3. | Undergraduate Course | 250.00 | 200.00 |

| | | | |
|----|---------------------|--------|--------|
| 4. | Postgraduate Course | 300.00 | 250.00 |
|----|---------------------|--------|--------|

Merit-cum-Means Scholarship : 20% of the roll strength in each Semester/year in each Department of the Undergraduate and Postgraduate courses, subject to a minimum of one (provided the candidate fulfils the eligibility criteria) shall be awarded Merit-cum-Means scholarship, who could not be awarded Merit Scholarship, on the recommendation of the Head of the Department and Principal of the Bhavana/Sadana/Vibhaga concerned.

Rates of Merit-cum-Means scholarship will be as follows:

| Sl. no. | Course(s) | Residential (Rs. p.m.) | Non-Residential (Rs. p.m.) |
|---------|--|------------------------|----------------------------|
| 1. | School Certificate | 150.00 | 100.00 |
| 2. | Pre-Degree Course | | |
| 3. | Undergraduate Course | 200.00 | 150.00 |
| 4. | Postgraduate Course | 250.00 | 200.00 |
| 5. | Diploma Course (regular full-time Course at Kala-Bhavana) | 90.00 | 60.00 |
| 6. | Advanced Diploma Course (regular full-time Course at Kala-Bhavana) | 140.00 | 100.00 |
| 7. | Certificate Course (regular full-time Course at Kala-Bhavana) | 75.00 | 45.00 |

- i) University Merit Scholarship (during the 2013-2014) is given to 299 Students;
- ii) Merit-cum-Means Scholarship (during 2012-2013) is given to 7 students.

5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

- i) West Bengal Merit-cum-Means during the year 2012 is awarded to 193 students.
- ii) West Bengal Minority Post Matric Scholarship is awarded to during the year 2013-2014 by 334 students.
- iii) Stipend/Book grant to Arunachal Pradesh Schedule Tribal (APST) is awarded to during the year 2013-2014 by 02 students.

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

Yes, the university has foreign students cell led by one Foreign Students Adviser who is a senior faculty of the University and interacts regularly with the foreign students in any matter of their interest.

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Same as 5.1.4

5.1.10 What types of support services are available for

*** overseas students**

- a) The overseas students are admitted even in supernumerary quota.
- b) Personal counselling for individual problems if any are taken up as and when required by the Foreign Student's Cell.

*** physically challenged / differently-abled students**

Ramp facility is offered to students. Brail facility is available in the library. There is a special quota maintained for these students at the time admission as per Govt. rules.

*** SC/ST, OBC and economically weaker sections**

- a) A special quota is reserved for SC/ST and OBC candidates at the time of admission as per Govt. rule.
- b) Scholarships and stipends are offered to deserving candidates.
- c) For students participating in various competitions/conferences in India and abroad, passage money is offered in special cases to students to felicitate travel

*** students participating in various competitions/conferences in India and abroad**

Every year students of the University between the age group of 18-25 years participate in UNIFEST, which is organized by Association of Indian Universities held at Zonal and National Level in various parts of the country. Prior to the participation in UNIFEST, every year Dean of Students' Welfare office of the University organizes Intra-University Cultural Fest cum Selection Trial in which students participate in various events falling in the categories of Fine Arts, Music and Literary.

List of competition organized in the University:

FINE ARTS

- a. Collage
- b. Poster Making
- c. Spot Painting
- d. Spot Photography
- e. Clay Modelling
- f. Rangoli
- g. Cartooning

MUSIC EVENTS

- a. Classical Instrumental, Solo (Percussion)
- b. Classical Instrumental, Solo (Non-percussion)
- c. Light Vocal
- d. Western Vocal
- e. Classical Vocal, (Solo) Hindustani, (Khayal/Dhrupad)
- f. Group Song, (Indian) (Western)
- g. Classical Dance, (Solo)
- h. Folk Dance
- i. Group Dance

LITERARY EVENTS

- a. Quiz
- b. Debate
- c. Elocution

Student/group of students who hold the first position in the above mentioned events are selected for East Zonal UNIFEST. Subsequently, they are selected for UNIFEST at National Level.

* **health centre, health insurance etc.**

The University caters to the medical need of the students through Pearson Memorial Hospital.

Health Insurance:

All the students of the University are covered under Vidyarthi Mediclaim Policy on payment of Rs.580.00 per annum as premium of Insurance policy. Under this scheme, students up to the age of 25 years can avail the facility of cashless treatment and medical reimbursement up to a limit of Rs.50,000/- every year.

* **skill development (spoken English, computer literacy, etc.)**

- a) Spoken English courses are regularly held in the university to augment students ability in conversational English.
- b) Computer literacy– computer centre of the University offers free computer training to all students.

* **performance enhancement for slow learners**

Remedial courses were arranged to assist slow learners.

* **exposure of students to other institutions of higher learning /corporates/business houses, etc.**

To facilitate exposure of students to other institutions of higher learning /corporate/business houses etc. the university has adopted special measures:

- a) A reciprocal relationship has been built up with renowned media houses and the Department of Journalism and Mass communication.
- b) The students of Integrated Science and Biotechnology Department visit Industrial Houses and National Institutes for project work.

* **publication of student magazines**

The students of two schools viz. Patha-Bhavana and Siksha-Satra publish their annual magazines regularly.

5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

The University organised coaching classes for NET examination.

Successful students in various competitive examinations:

| UGC/ICAR/CSIR/GATE/NET | SLET | ATE/CAT/GRE/TOEFL/GMAT | Central/Civil/State Services | Defense Services | Others |
|------------------------|------|------------------------|------------------------------|------------------|--------|
| 525 | 85 | 1 | 16 | 03 | 134 |

5.1.12 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

*** additional academic support and academic flexibility in examinations**

The University provides academic flexibility to good student sports persons in respect of examination schedule at least. In case of overlapping of examination schedule with final sports schedule of a student sportsperson, he/she is allowed to take on examination on a different date with another set of question papers.

*** special dietary requirements, sports uniform and materials**

- During coaching camp of various games at University, diet rich in carbohydrates and protein are given to the players such as fruits, eggs, banana, sweet etc.
- Players participating in Inter-University/Zonal/National tournaments are given daily allowance of Rs.300 per day for foods.
- Players participating in Inter-University/Zonal/National tournaments are given Dress allowance of Rs 1,000 per players to buy sports uniform, tracksuit etc.
- Playing equipment is also offered to the students for coaching camps.

*** any other (please specify)**

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes, University has a Placement Cell, where students are fed with information on various aspects of career. Students have access to Employment Newspaper and other leading English Daily to get information on jobs opening etc.

The other activities of the Placement cell are as under:

a) Job Fair

Annual job Fair for all the final year students of undergraduate courses, post graduate courses and research scholars was conducted by the Placement Cell

of the University under the aegis of the Director PSNS on and from 4th and 5th July, 2014 at the University Campus. Total 17 Companies from various sector participated in the Job Fair. Students got an experience of facing interview and few of them also got selected for jobs in various companies.

b) **Mock Interview Session**

Prior to the Job Fair, a Mock Interview was conducted for the students to give them an idea of actual interview. Experts from Army fraternity were invited to take Mock Interview Session.

c) **Special Class on 'How to face Interview'**

A special class for the applicants of 'Job Fair' was organized to help them know how to face interview. Faculty members of the University took classes on the said matter.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Job Fair was conducted for final year students of Undergraduate, Post Graduate and Research Scholars of the entire University by the Office of the Director PSNS, Visva-Bharati and Conference and Exhibition India, New Delhi on 4th and 5th April, 2014 at newly constructed Girls' Hostel of the University.

Total 146 students had appeared for the interviews in the Job Fair. Among 146 students, 46 students have been selected by the interviewers for jobs and final discussion with CEO of concerned Companies. Among 46 students, few of them have been selected for more than one company.

List of students selected for jobs and final round interview in various companies participated in the Job Fair.

- a) Tagore Institute of Vocational Studies
- b) Ginni International Entertainment
- c) ACS Appliances
- d) Swami Vivekananda Group of Institutions
- e) Yuvraj Industries

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

The Visva-Bharati Alumni Association is a statutory entity of the University and is engaged in cultural activities promoting the ideals of our most illustrious Founder, Gurudeva Rabindranath Tagore and proudly carrying the torch lighted by Tagore and has concentrated on various cultural activities in furtherance of the cause of Visva-Bharati. He also envisaged that the association shall foster a spirit of fellowship among the former students and workers of the University. In spite of acute financial crunch Tagore himself had carried the message of his creation, Visva-Bharati to the country and abroad. Since its inception in 1951 Visva-Bharati Alumni Association (VBAA) is continuing the activities initiated by Tagore to the

best of the capabilities of the alumni. It has not failed in its sincerity of purpose and has made an indelible mark on the psyche of India. The activities undertaken by the VBAA is many and only a few are enumerated below:

- a) Keeping in tune with the recent times VBAA felt the need to amend the rules which was accomplished in 2013. The alumni staying abroad expressed their earnest desire to contribute more to the cause of the university and participate online in major cultural events organized by VBAA. In order to bring this to effect a VBAA website is being created and the process of new membership has been initiated. The non-resident NRI also desired to participate in the election of office bearers of VBAA and the same will be made effective. At present the drive is on for registration of new NRI members so that VBAA achieves a wide global presence.
- b) Further initiatives by the VBAA resulted in the inauguration of the Butterfly Park, Orchid Garden and the Eco-zone of Visva-Bharati positively contributing to the environment of Santiniketan. Moreover, plans are ongoing to rejuvenate the central part of Santiniketan namely, the Tin Pahar area with an ancient banyan tree from the time of Tagore and the adjoining Panthashala. An alumnus who is a renowned psychiatrist met the adolescent students at Santiniketan and discussed their various problems, providing solutions to the same. Alumni have regularly participated in Pous Mela, Vasantotsava, and other festivities at Santiniketan, keeping the psyche of Santiniketan as was perceived by Tagore.

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes the university does have a student grievance redressal cell – an “Online Students’ Grievance Redressal Cell”, which came into being in 2014. The nodal officer of the cell is the Proctor of the university and the deputy nodal officer is the Deputy Dean of the university.

Details as follows -

Nature of grievances – Irregularities related to discipline, intoxicated act in the campus area, issuing press statement against university authority, demonstration in the campus area etc

Redressal – In most of the cases the students were expelled from the university hostels (temporarily/permanently) or suspended from the university or given warnings.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

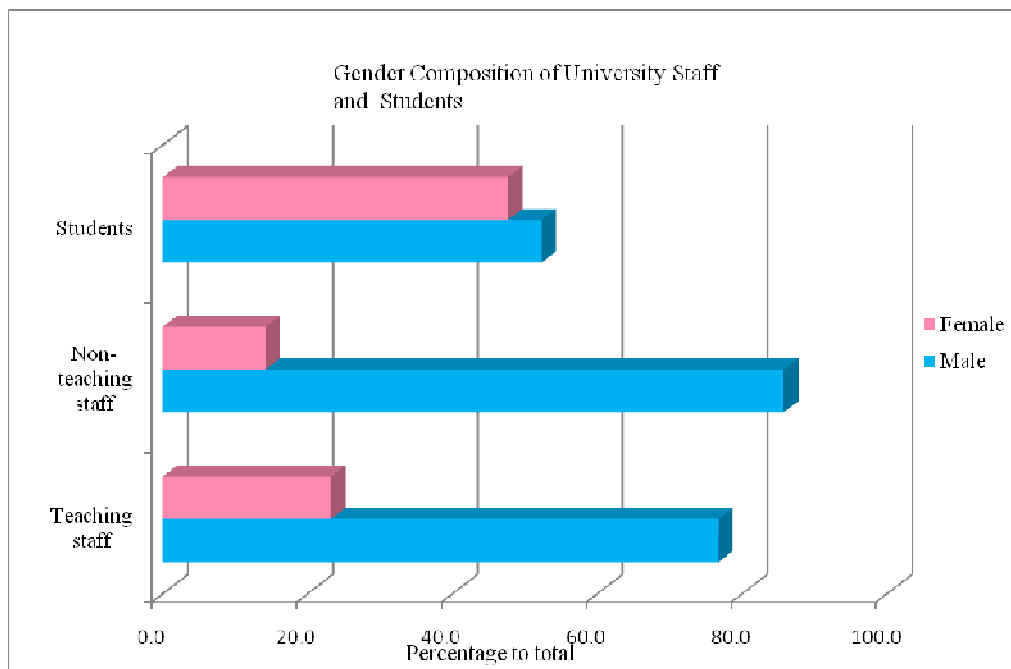
Yes the university does promote a gender-sensitive environment to a great extent.

In pursuance with the guidelines and subsequent instructions issued by the Government of India, Ministry of Human Resource Development and the University Grants Commission, New Delhi, Visva-Bharati had constituted a committee in the name of “Standing Committee for Prevention of Sexual Harassment against Women at Workplace” in June 2000, which was renamed as Internal Complaints Committee for Prevention of Sexual Harassment against Women at Workplace in 2013.

The ICC has its own policy and mechanism to deal with issues related to sexual harassment of the female students and employees as per the *Vishakha* guidelines. The victim has to complain within ninety days of the occurrence of the incident in writing or of the last incident (in case of repeated occurrence of the incident).

For the purpose of making an inquiry the “Internal Complaints Committee” shall have the same powers as are vested in a civil court under the Code of Civil Procedure, 1908 when trying a suit in respect of the following matters, namely – i) summoning and enforcing the attendance of any person and examining him or oath; ii) requiring the discovery and production of documents; and iii) any other matter which may be prescribed. The committee is supposed to submit its report after completion of the enquiry within ninety days of receipt of the complaint. On completion of the inquiry the “Internal Complaints Committee” shall provide a report of its findings to the employer within a period of ten days from the date of completion of the inquiry and such report shall be made available to the concerned parties. The employer shall act upon the recommendation within sixty days of its receipt by him.

The committee apart from its regular activities has already started a few awareness campaigning workshops in the name of –“Gender Issues and Us” at different levels like students, teaching and non-teaching staffs. Within a short spell of about two months the committee had conducted three such workshops.



5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, there is an Anti-Ragging Committee in the university. So far two cases have been reported in this section. They are –

Case 1: On 5 January, 2014; Nature of ragging – Physical torture; University action – Expulsion from hostel

Case 2: On 30 February, 2012; Nature of ragging – Physical torture; University action – Suspended from hostel

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The department like Journalism and Mass communication hold regular Guardian Meet to elicit cooperation of one major stakeholder i.e. Guardians.

Interactive students faculty meetings are frequently arranged in different departments to receive feedback from the students as will.

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

University has left no stone unturned when it comes to ensure participation of women students in intra-inter institutional sports competitions and cultural activities.

Sports: Infrastructure has been developed for involvement of girls' participation in intra-inter institutional sports competitions. The infrastructure for playing volley ball, kho-kho, kabaddi, table tennis, badminton, chess, basketball, athletics, yoga, gymnastic have been introduced in greater manner so that they can rehearse in well manner and perform well in various tournaments.

Special Coach for Judo: To empower the girls with self-defence techniques and to develop their skill in Judo, they are imparted training by Judo Coach.

Cricket Coaching camp for women cricket at University: Special coach from Cricket Association of Bengal has trained the girl player of the University. Later, three women cricketers were selected and had participated in Bengal Cricket Coaching Camp for women 2013.

5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 86.31 |
| PG to M.Phil. | 17.74 |
| PG to Ph.D. | 23 |
| Ph.D. to Post-Doctoral | 12.2 |
| Employed | |
| • Campus selection | 11.3 |
| • Other than campus recruitment | 61.1 |
| Entrepreneurs | |

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

90% approximately

5.2.3 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

List of the students qualified in the various competitive examinations:

| UGC/ICAR/CSIR/GATE NET | SLET | ATE/CAT/GRE/TOEFL/GMAT | Central/Civil/State Services | Defense Services | Others |
|------------------------|------|------------------------|------------------------------|------------------|--------|
| 525 | 85 | 1 | 16 | 03 | 134 |

5.2.4 Provide category-wise details regarding the number of Ph.D./D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/rejected in the last four years.

| Year | Ph.D Submitted | Ph.D Accepted | Ph.D Resubmitted | Ph.D Rejected |
|---------|----------------|---------------|------------------|---------------|
| 2013-14 | 118 | 135 | 1 | Nil |
| 2012-13 | 129 | 117 | 1 | Nil |
| 2011-12 | 99 | 121 | 1 | Nil |
| 2010-11 | 113 | 124 | Nil | 1 |

| Year | D.Litt Submitted | D.Litt Accepted | D.Litt Resubmitted | D.Litt Rejected |
|---------|------------------|-----------------|--------------------|-----------------|
| 2013-14 | Nil | Nil | Nil | Nil |
| 2012-13 | 1 | Nil | Nil | Nil |
| 2011-12 | Nil | Nil | Nil | Nil |
| 2010-11 | 1 | 1 | Nil | Nil |

| Year | D.Sc. Submitted | D.Sc. Accepted | D.Sc. Resubmitted | D.Sc. Rejected |
|---------|-----------------|----------------|-------------------|----------------|
| 2013-14 | Nil | Nil | Nil | Nil |
| 2012-13 | Nil | Nil | Nil | Nil |
| 2011-12 | Nil | Nil | Nil | Nil |
| 2010-11 | Nil | Nil | Nil | Nil |

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

ORGANISED THE CAB TOURNAMENT:

- Ajay Ghosh Memorial Trophy Tournament (Inter-University Cricket in W.B) since 2010.
- Inter University Inter College T-20 Cricket Tournament- (2013-14)
- Vidyasagar Trophy Inter-University Football in W.B, (2011—12)
- Elliot Shield (Inter-Collegiate Football) in W.B 2011-12, 2012-2013
- Table-tennis (Men and Women) in East Zone 2011-12

PARTICIPATION IN INTER UNIVERSITY COMPETITION:

GAME

- a) Football (M)
- b) Cricket (M)
- c) Basketball (M)
- d) Basketball(W)
- e) Basketball (W) All India
- f) Athletics (M)
- g) Yoga (M&W)
- h) Table Tennis (M&W)
- i) Aquatics (M)
- j) Chess (M)
- k) Badminton (M&W)
- l) Kabaddi(M)
- m) Volleyball (M)
- n) Gymnastics (M&W)

ORGANISING UNIVERSITY

West Bengal State University
 Jadavpur University
 Banaras Hindu University
 M.G. Kashi Vidyapith
 N.T.R University, Vijaywada
 Punjabi University
 Kurukshtra University
 Calcutta University
 G.N.D University
 Jadavpur University
 B.I.T Mesra University
 V.B.S Purvanchal University
 L.N. Mithila University
 Kurukshtra University

PARTICIPATION IN VARIOUS OTHER COMPETITION

- a) Ajoy Ghosh Memorial Trophy Tournament
- b) Inter University T-20 Cricket Tournament
- c) Inter University Inter College T-20 Cricket Tournament
- d) St. Xavier's Inter College Tournament i.e.:
 - i) Football – Champion
 - ii) Basketball(Women) – Runner Up
 - iii) Chess
- e) Inter University Football Tournament Organized by Indian Statistical Institution, Dunlop.

ORGANISED VARIOUS COACHING CAMPS AT THE UNIVERSITY:

- a) Football (M)
- b) Cricket (M)
- c) Basketball (M)
- d) Kho-Kho (M)
- e) Athletics (M)
- f) Yoga (M&W)
- g) Table Tennis (M&W)
- h) Aquatics (M)
- i) Chess (M)
- j) Badminton (M&W)
- k) Kabaddi (M)

ORGANISED SPORTS ACTIVITIES FOR PATHA-BHAVANA (School):***Organised in various tournament:******Inter class Competition:***

- a) Football (M)
- b) Cricket (M)
- c) Basketball(M)

Annual Athletic Meet:

- a) Patha Bhavana

ORGANISED VARIOUS INTER-BHAVANA COMPETITION

- a) Visva-Bharati Annual Athletic Meet at Vinaya-Bhavana Complex.
- b) Inter Bhavana Football Tournament at Ashram Ground P.S.B Ground.
- c) Inter Bhavana Cricket Tournament at Ashram Ground.
- d) Inter Bhavana Athletic Meet at New Physical Education complex.
- e) Inter Bhavana Badminton at Ashram Ground.
- f) Inter Bhavana Basketball at Ashram Ground.
- g) Inter Bhavana Volleyball at Ashram Ground.
- h) Inter Bhavana Table Tennis (M&W) at Ashram Ground.

ORGANISED VARIOUS INVITATION MATCHES:

- a) On the occasion of Halakarshana the Visva-Bharati School Team played a football match with St. Xavier School at Sriniketan Ground. St. Xavier School won the match.
- b) On the occasion of Silpotsava the Visva-Bharati Football team played a football match with Alia University at Sriniketan Ground and Visva-Bharati Won the match.

ORGANISED INTER DEPARTMENT COMPETITION

- a) Inter Department Football Tournament for Siksha-Bhavana
- b) Inter Department Cricket Tournament for Siksha-Bhavana
- c) Inter Department Football Tournament for Vidya-Bhavana and Bhasa-Bhavana
- d) Inter Department Cricket Tournament for Vidya-Bhavana and Bhasa-Bhavana

IMPOTANT INFORMATION

- a) First time Visva-Bharati Basketball (W) Team Qualified for All India Inter Zonal Competition & Placed 3rd Position in the East Zone Inter University Basketball (W) Tournament.
- b) First time Visva-Bharati women Cricket team represent Birbhum District and participated Inter District Cricket Tournament at Nadia and won the first match against Mursidabad.

- c) Individual table champion on East Zone Inter University Chess Competition.
- d) Three women cricketer selected and participated in Bengal cricket coaching camp for women 2013. Cancel,
- e) First time Birbhum district women cricket coaching camp organized at Visva-Bharati.
- f) Football team champion at St.Xavier's in Inter College Tournament.
- g) Basketball (W) team Runners up at St.Xavier's in Inter College Tournament.
- h) First time Vinaya-Bhavana Cricket team became runner up in the Inter University Inter College T-20 Cricket Tournament 2013-2014 organized by CAB.

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Sports

Visva-Bharati Basketball (Women) Team Qualified for All India Inter Zonal Competition & Placed 3rd Position in the East Zone Inter University Basketball (W) Tournament, 2013-2014

Cultural Activities

29th East Zonal Youth Fest held at L.N Mithila University, Darbhanga, 2013-2014

| <u>Event</u> | <u>Name of the student</u> | <u>Position</u> |
|---------------------|-----------------------------------|------------------------|
| a) Spot Painting | Kanak Sarkar | First |
| b) Rangoli | Arpita Nalia | Third |

Kanak Sarkar represented in National Youth Fest held at Kurukshetra University, February, 2014.

27th East Zonal Youth Fest held at Tezpur University, Assam, 2011-2012

| <u>Event</u> | <u>Name of the student</u> | <u>Position</u> |
|---------------------|-----------------------------------|------------------------|
| Western Solo | Mreenal Vishwakarma | Second |

He represented National Youth Fest held at RJM Nagpur University, January, 2012.

5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?

The University takes special initiative to promote heritage consciousness in the following manner.

- a) Classes and other official work have been shifted from heritage zones i.e Ashram areas of the University.
- b) Heritage Areas have been made no-plastic and no horn zone.
- c) Shooting is strictly prohibited in an around Ashrama area.
- d) Instead of Heavy vehicles, Battery operated car has been introduced in the Ashram area by the University.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/materials brought out by the students during the last four academic sessions.

The students are always encouraged to bring about publication right from school stage. The students of two schools viz. Patha Bhavana and Siksh Satra bring out annual magazines regularly.

Visva-Bharati Chronicle: The Journalism and Mass communication Department bring out this year journal which is a living index of the history of Visva-Bharati.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The University does not have a recognised students council at present.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Students representation is ensured in Institute Board of each Institute, Academic council and court which are the highest board of the University. The student representatives are slated to focus on students problems in these bodies.



A meeting with stakeholders including alumni

Any other information regarding Students Support and Progression which the university would like to include.

Visva-Bharati attempts to address the over-all taking care of his/her academic, financial and psychological needs through regular interactions and feedbacks.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the university.

To quote our founder father Rabindranath Tagore, the vision and the mission of the University is: “Visva-Bharati represents India where she has her wealth of mind which is for all. Visva-Bharati acknowledges India’s obligation to offer to others the hospitality of her best culture and India’s right to accept from others their best.” It is our proud privilege and honour to declare that even after a lapse of several decades, we abide by the vision and mission of our founder with a few additions to cater to the need of present day situation.

6.1.2 Does the mission statement define the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution’s tradition and value orientations, its vision for the future, etc.?

In a violence-marred and strife-stricken world, our mission to offer our best in terms of knowledge, fraternity and mutual cooperation to other, appears to be the best motto, nurtured by an institution.

To our students this vision and mission conveys the idea to become concerned about others requirements and not foster a selfish attitude towards the others.

The tradition of Visva-Bharati, as imbibed from ancient Indian upanadic texts is to create a centre of universal understanding and unison where the world will meet in one nest “Yatra Visvam Bhavatika Ekanidam”. On the other hand, ancient value system of love and fraternity to others has been envisaged. Since all these traditions and values are the core foundation on which an institution builds its foundation, Visva-Bharati still today believes in these humanistic concepts and value system which in our view, may act as torch-bearer to the present society.

Vision for the future: In tune with the recent spectacular development in technology, the University intends to emphasise an unison of Science with Humanities with special emphasis on Fine Arts and Visual Art. As such interdisciplinary has been accorded highest weightage by demolishing all artificial barriers of arts/science/fine arts discrimination.

6.1.3 How is the leadership involved

- * **in ensuring the organization’s management system development, implementation and continuous improvement?**
- * **in interacting with its stakeholders?**
- * **in reinforcing a culture of excellence?**
- * **in identifying organizational needs and striving to fulfil them?**

- a) By introducing a structured hierarchical system starting from Vice chancellor and distribution of power and responsibility to other senior members of the administration.
- b) A structured management system starting with the highest body Court and phase wise division of power to Executive Council, Academic Council and others.
- c) Delegation of power to senior academic administrators to implement a fair fruitful management system.
- d) Students alumni, staff and Ashramites are regularly consulted in academic and administrative matters.
- e) The Vice-Chancellor regularly interacts with the three Directors, Principals of Bhavanas and Planning Board members in identifying the organisational needs and striving to fulfil them.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

All the top leadership posts have been filled up except the post of Pro-Vice-Chancellor. The functions of a Pro-Vice-Chancellor have been distributed among three Provosts.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. Almost all statutory posts have been filled up and meetings are conducted regularly.

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

The University promotes a culture of participative management by ensuring the participation and expression of interest of all stakeholders.

In the academic parlance, any proposal is placed and discussed first in Departmental Board of Studies meeting: The recommendations are forwarded to Academic Council and finally to Vice-Chancellor.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

N.A.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

N.A.

6.1.9 How does the university groom leadership at various levels? Give details.

In the academic level, the University grooms leadership by according due weightage to young Assistant Professor, in the form of allowing them to be present in the Academic council meeting at least temporarily.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

The University has evolved a sound knowledge management strategy by adopting the following measures .

- a) Curriculum revision at regular intervals.
- b) By through revision of examination system
- c) By collaborating with institution of repute in India and abroad for acquisition of new academic concepts and ideals.
- d) By inducting Scholars in Residence, Emeritus Professors and Adjunct Professors to enlighten our teachers, researchers and students.

6.1.11 How are the following values reflected in the functioning of the university?

*** Contributing to national development**

By introducing:

- a) Community college for neighbouring villages.
- b) Mobile library and offer of medical facilities in our 55 adopted villages.
- c) By creating eco-friendly zone.

*** Fostering global competencies among students**

The students of various departments especially of Chinese and Japanese Departments visit foreign countries and thus are incentivised to gain global competence.

Apart from that there are several international collaborations in a few departments which assist students to mould themselves in global scenario.

*** Inculcating a sound value system among students**

Since our founder had always cherished a dream of value-based holistic education, the university promotes value system through regular celebration of functions and festivities involving the entire community which form an integral part of our curricula.

*** Promoting use of technology**

Optimum use of technology is made by ascribing to use of computers, overhead projectors, multimedia etc.

*** Quest for excellence**

Since the university fosters holistic education, our avowed objective is emancipation of human soul “sā vidyā yā vimuktāye” “that which liberates is knowledge”.

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

*** Vision and mission**

*** Teaching and learning**

- * **Research and development**
- * **Community engagement**
- * **Human resource planning and development**
- * **Industry interaction**
- * **Internationalisation**

All these seven points are considered in the development of strategies and policies.

6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.

The internal organisation structure and decision making process starts from our twin schools. The concept of "Ashram Sammilani" as enunciated by our founder upholds a system where young students take charge all relevant departments viz. food, literature, sports, culture etc. Taking clue from this initial system, the university's internal organization structure functions with three Directors, Registrar and Principals of nine Bhavanas at the helm of the administration with supreme academic and administrative power vested in Vice-Chancellor.

The decision making process starts initially from Bhavana level and finally through various phases is placed in Academic Council and Executive Council for approval.

6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

To ensure quality the university adopts the following measures:

- a) Any academic proposal is designed to be place in Board of Studies meeting of the same Department.
- b) In the second phase it is forwarded and reviewed in the meeting of the Institute Board.
- c) If approved, it is finally placed in Academic council
- d) If approved it is finally endorsed by the Vice-chancellor.

6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

The University encourages its academic departments to function independently and with full freedom.

The accountability is ensured through regular interaction with faculty member and regular monitoring of the system through constant supervision of administrative authority.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

No. of cases pending: Presently, 135 cases are pending.

Name of courts: Bolpur Court, Suri (District) Court, Calcutta High Court and The Supreme Court

Nature of cases pending: Out of the pending cases, 80 cases relate to various service matters. 40 cases relate to estate property and campus matters. 15 cases relate to miscellaneous matters like admission, result, student registration etc.

- a) Among the service matters, the highest number of cases relate to Group-D recruitment. Next comes faculty recruitment, followed by pension and retirement benefit matters.
- b) Among the estate related matters, majority relate to unauthorized occupation of campus or estate by outsiders.

Important recent judgements against the University: In the last three years, there have been a very few cases where the courts have given judgement against the University. In two cases the Single Bench and the Division Bench respectively of the Calcutta High Court struck down two appointments, but the appointments were subsequently upheld by the Division Bench and the Supreme Court. In another case, the High Court has ordered the University to give compassionate appointment to the Writ Petitioner.

Important recent judgements in favour of the University: In the last three years, most of the cases, disposed of by courts, have been in favour of the University. Important ones are Baidyanath Saha matter and Subodh Mitra PIL matter (in Supreme Court), Abbasuddin Mallick, PIL regarding Patha-Bhavana urine licking incident, PIL by Jogen Chowdhury, PIL by Subodh Mitra, Prabir Mitra matter, Mohit Chakraborty matter in High Court.

In Jogen Chowdhury PIL matter, the High Court, based on the stand taken by Visva-Bharati, has given a far reaching judgement regarding preservation and protection of the Visva-Bharati campus and the environment of Santiniketan. The Court has ordered the government, SSDA, WBPCB etc. to formulate a unique development plan for Santiniketan and to create a buffer zone around the Visva-Bharati campus so as to protect the unique physical environment and cultural heritage of Santiniketan. In Prabir Mitra matter also, the High Court, in three separate cases, has given judgement in favour of protecting the campus from encroachment.

6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

The University has its own mechanism to address any grievance registered by any of its stake holders. In academic departments the Vice-chancellor forwards the complaint to the Principal of the respective Bhavana for his comments. Considering the urgency of the situation and the nature of the grievance, the matter is either sent to a committee constituted by the Vice-Chancellor or it is settled at the Bhavana level.

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

The University analyses the students feedback on institutional performance and adopts suitable measures in tune with the students demands or sentiments.

6.2.8 Does the university conduct performance audit of the various departments?

The university conducts performance audit in two ways.

- a) By making an assessment of the students performance in university examinations and other agency conducted examination.
- b) By taking note of the placement scenario of students.
- c) By assessing the number of scholarships and other prestigious awarded to students and faculty of the university.
- d) By evaluating the teacher student-relationship.

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

Not applicable

6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

Not applicable.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

The University is keen to enhance the professional skill of teaching and nonteaching staff.

The steps taken for enhancement of skill of teaching staff.

- a) By encouraging faculty to attend Orientation and Refresher courses.
- b) By allowing research grant to all faculty members.
- c) By helping faculty members to get promotion through Career Advancement Scheme as and when they fulfil the criteria.
- d) By recognising and appreciating their quality performance in meetings of the highest board of the university.

In case of nonteaching staff

By skill development programme.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

University follows the appraisal methods like Career Advance Scheme for teaching staff as per UGC norms. Academic Performance Indicators (API) is one of the vital components for CAS for the teaching employees and the librarians. Such appraisal methods have been reviewed time to time as per UGC guidelines. The last UGC new regulation in regard to calculation of API scores has been approved by the University's Apex Body such as Academic Council and Executive Council. The

policy has been implemented. It may be noted that as per the new UGC regulations the capping system has been implemented.

For non-teaching staff, Departmental Promotion Committee and departmental examinations are conducted. Old syllabus for the departmental examinations have been modified. Besides, Modified Assured Career Progression Scheme (MACP) has been implemented which envisages grant of three financial upgradations for non-academic employees on completion of 10, 20 and 30 years of continuous regular service. Annual Performance Assessment Records with an objective assessment of the work and conduct of a non-teaching employee has been adopted. This assessment report is the main criteria for confirmation, promotion, review under FR-56 (J) for premature retirement, etc. of the non-teaching employee.

6.3.3 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Several facilities are provided to both the teaching and non-teaching employees of the University, for instance, accommodation, hospital facilities both indoor and outdoor as well as transport allowance. Besides, the Group D non-teaching staff also get uniforms, shoes, raincoats, cycle allowances and umbrellas.

These facilities, needless to mention, benefit all employees- both teaching and non-teaching to a great extent.

6.3.4 What are the measures taken by the university for attracting and retaining eminent faculty?

The eminent faculty members are provided with accommodation, fairly reasonable remuneration and allowances as well as academic facilities viz. books and equipments.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

University has recruited a sizeable number of female faculty members and gender sensitisation programmes are being organised regularly for students as well as teaching and non-teaching employees. Based on this, the University is planning to conduct a detailed gender audit.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

Yes, the Internal Complaints Committee of the Visva-Bharati does conduct gender sensitization programmes as per the UGC guidelines.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

The University is in the process of setting up an academic staff college.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

Times to time meetings are held with Heads of Departments and Principals of Bhavana to guide them in effective utilization of resources. Powers have been delegated to them to prioritize their own allocations/expenses. Sample check of vouchers is undertaken. Original records are being checked during conduct of internal audit.

6.4.2 Does the university have a mechanism for internal and external audit? Give details.

University has its own internal audit wing. We have introduced periodic internal audit of various Departments. The CAG carried external audit. It also does performance audit from time to time. We are constantly improving system to settle the Audit and IR para. Last year out of pending 66 (sixty-six) CAG para all except 17 (seventeen) were settled.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

a) Security and maintenance of assets of the Visva-Bharati, Kolkata (Performance Audit Report 3 of 2007 Chapter 1)

b) Loss of interest (Report 23 of 2013 Para 5.5)

Both these were included in CAG report for the respective year. We have responded to both these adequately. And Audit has crossed checked and verified the Action Taken Report (ATR).

6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

For the year 2013

| INCOME AND EXPENDITURE STATEMENT FOR THE YEAR 2012-13 (IN INDIAN RUPEES) | | | |
|--|---|-------------------------|-------------------------|
| | | Actual for 2012 | Expenditure for 2012 |
| INCOME | | | |
| 1. Other Services | 1 | 11,528/- | 0/- |
| 2. Student Fees | 2 | 1,21,07,401/- | 1,21,07,401/- |
| 3. Grants for Academic Activities | 3 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| 4. Interest on Investment | 4 | 11,12,47,38/- | 11,12,47,38/- |
| 5. Transfer from Pr. Department | 5 | 9,17,83,00/- | 9,17,83,00/- |
| 6. Transfer from B. Department | 6 | 1,11,73,799/- | 1,11,73,799/- |
| 7. Major Service Income | 7 | 1,07,54,601/- | 1,07,54,601/- |
| 8. Other Income from Pr. Dept. | 8 | 11,12,47,38/- | 11,12,47,38/- |
| | | 1,44,41,76,985/- | 1,44,41,76,985/- |
| EXPENDITURE | | | |
| 1. Other Income from Pr. Dept. | 1 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| 2. Salaries, Teachers & Staffs etc. | 2 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| 3. Provision of Maintenance | 3 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| 4. Academic & Research | 4 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| 5. Other Expenditure | 5 | 1,11,47,12,491/- | 1,11,47,12,491/- |
| | | 1,44,41,76,985/- | 1,44,41,76,985/- |
| 6. Other Expenditure from Pr. Dept. | 6 | 1,11,47,12,491/- | 1,11,47,12,491/- |

For the year 2012

| Table 1: Criteria-wise Inputs for the year 2012 | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Criteria-wise Inputs for the year 2012 | | | | | | | | | | | |
| Criteria | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. Academic Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2. Research Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 3. Faculty Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4. Infrastructure Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 5. Student Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 6. Financial Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 7. Social Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 8. Environmental Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 9. Governance Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 10. Overall Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 11. Total Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 12. Average Quality | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

For the year 2010

[illegible]

6.4.5 Narrate the efforts taken by the university for resource mobilization.

Following steps are considered for resource mobilization:

- a) Revision of tuition fees and other academic charges/fees
- b) Revision of Hostel Fee, Electricity charges, other charges to remove subsidy
- c) Revision of Museum Visit charges, Auditorium Rent, Quarter Rent, Guest House etc.
- d) Consideration of levy of Garbage Removal charges and Cleaning Charges from campus dwellers
- e) Encourage faculty members to approach other funding agency for projects
- f) Approach MP, MLA to spend some part of their MP/MLALAD funds for the institution
- g) Cut down on non-essential items like grants to Unions, support to excursion, food packets, paper usage, meeting expenses etc.

6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details.

A corpus fund provision exists. UGC has been approached to fund retired pensioners of Granthana Vibhaga so that the surplus from sale of books generated can be converted into Corpus fund and income from projects, donations can be added to it. The income from the corpus to the extent of eighty-percent can then be utilized for meeting research and developmental activity of the University.

6.5 Internal Quality Assurance System**6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.**

Yes, through regularly conducting Board of Studies meetings of the Departments, meetings of the respective Institute Boards and Academic Council meetings where valuable opinions of eminent external experts from other universities and institutions are taken into consideration for overall improvement of the academic programmes.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Based on the recommendations of the academic audit, academic departments of the university put emphasis on the upgradation of the syllabi and introduction of Choice Based Credit System at both UG and PG levels, adoption of modern teaching methodologies like power point presentation in majority of the departments, introduction of better and continuous evaluation systems, review and reexamination of answer scripts etc.

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Yes, the central body is Academic Council where Vice Chancellor and all the Professors and Heads of the various academic departments continuously review the teaching and learning processes of the university in consultation with the external expert members.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC regularly monitors and maintains standards of teaching, examination and research framing regulations on minimum standards of education through implementation of its internal mechanisms recommended by the statutory academic bodies for sustenance, assurance and enhancement of the quality culture of education. It is significant that such internalization of quality would be invaluable in the enhancement of quality within the institution.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the university for implementation?

All the decisions of the IQAC in accordance with UGC regulation (new) with reference to Career Advancement and Recruitment in open posts have been accepted by the Executive Council and implemented.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes, IQAC have three external members in its committee nominated by the Vice-Chancellor. Those members are invited in the meetings of IQAC where they participate in the discussion on the conscious, consistent and catalytic programmed actions to improve the academic and administrative performance of the university.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

IQAC in consultation with the Cells established by the university to look after the academic growth of students of weaker sections of the society perform this function. In addition to that academic departments of the university run remedial/NET coaching programmes on a regular basis to alleviate their knowledge deficiencies.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

University as per recommendations of various statutory academic bodies (Institute Board, Central admission Committee, Admission Co ordination Cell, Academic Council etc.) review the teaching and research programmes. Interdisciplinary

courses as well as research programmes have been initiated in different faculties during last five years which are running successfully.

Any other information regarding Governance, Leadership and Management which the university would like to include.

Delegation of power through participatory management is a redeeming feature of Visva-Bharati where the Vice-Chancellor distributes his own power among the three senior faculties in the interest of good governance.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the university conduct a Green Audit of its campus?

The University with the help of competent faculty members is engaged in naming the trees of Santiniketan and Sriniketan. As the university has a wide variety of plants, naming of the trees are done in some parts and the process is in progress.



Briksharopan festival in Santiniketan

7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

* Energy conservation

Installation of PVC Solar System on the roof of Central Administrative Building, Visva-Bharati, funds from MNRE (Ministry of New and Renewable Energy, Govt. of India). The university is in process making

more of this system in the hostels and the kitchens for hot water and lighting.

* **Use of renewable energy**

Integration of Concentrated Photovoltaic and Biogas (by anaerobic digestion from local biomass and waste) for electricity production (DST Funded) in collaboration with UK Universities (University of Leeds, University of Nottingham, and University of Exeter) and also with IIT- Chennai, IIT Bombay and Visva-Bharati as the lead institute is in progress.

* **Water harvesting**

Rainwater harvesting system is setup at Siksha-Satra with funds from IESWM (Institute of Environmental Studies and Wetland Management, Govt. of West Bengal). The university is in process making more of this type of harvesting system in the hostels.

* **Plantation:** Gurudev Rabindranath Tagore started the tree planting ceremony in Santiniketan, Visva-Bharati from its very inception. It is one of the very important festival of the university held during the month of August. During this occasion hundreds of trees are planted in the campus and saplings are also distributed to the local people for plantation.

* **Eco-park:** A natural eco-park has been opened recently in the university with a provision of having a butterfly zone. Artists of Kala-Bhavana have made some eco-friendly sculptures natural resources which are placed in the walking trail of the park – this park is one of the pioneers of its kind in India.

* **Efforts for Carbon neutrality**

Different Research Projects of the university are actively engaged in effort for carbon neutralization with help of various flora and fauna.

* **Solid waste management**

The University is having a plan solid waste management in the campus as well as Bolpur municipality.

* **e-waste management**

The e-wastes are collected and sold by auction.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.

Format for Presentation of Best Practices

1. Title of the Practice

This title should capture the keywords that describe the practice.

Model, Holistic, Unique All-Round Education

2. Objectives of the Practice

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

Visva Bharati carries out educational programmes that begin from the very roots of its Pathshalas and experimental schools like Patha Bhavan and Shiksha Satra and branch out into its 'Innovative Education' from Binoy Bhavan that reaches out to 55 adopted villages through what is called 'The Rural Extension Centre'. Teaching in schools is done outdoors, under trees, so that students get an exposure to Nature, thus imbibing rudimentary ideas of science such as Photosynthesis, Seasonal Changes, Basic Ecology & Entomology, and so on. Coupled with this is an exposure to Singing, Dancing, Painting, Sculpting, etc. embodied in Sangit Bhavan and Kala Bhavan, thus providing the students an all-encompassing education that is rich in its cultural heritage. The rural connection of educational activities constitutes the first step towards the objective of having a 'Community College' that imparts vocational training in our campus. Besides, there is a strong flavour of inter-disciplinarity, as our students have a flexible choice-based system in which, for instance, a science student can credit courses in Sangit, Kala, Humanities and Languages.

3. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

The master mind in education strongly believe today that education should not be restricted in the periphery of class room teaching singularly. Contrarily, it should expand itself in the bounty of nature, thus cementing a bond of intimate relationship with nature. Furthermore it should take into consideration the will and woe of ‘others’ who are marginalised and outside the main stream. The concept of ‘community college’, emphasizing the unison of the elite and the milieu is expected to address this vital contemporary issue.

4. The Practice

Second Best Practice:

Keywords

Interdisciplinary, Climate Studies, Harmonious

Objectives of the Practice

Rabindranath Tagore, the Founder of Visva Bharati made it a ritual to have 'Utsavs' such as 'Briksharopan', 'Halakarshan', 'Basantutsav', 'Shilpotsav' etc., that help sensitize the community into harmonious co-existence with Nature. These moorings are put into practice through courses in Environmental Sciences that builds-in, at the outset, a curriculum in Climate Studies, that is contemporarily relevant. This programme draws in interdisciplinary faculty from Life and Physical Sciences as well as Bio-Technology. A part of these courses deals with 'Rural Biotechnology',

carried out in collaboration with the Bose Institute of Kolkata, through which the University strives to interface with the community of farmers by way of another 'Utsav', called 'Maghmela' wherein scientific farming is put into practice by farmers, in exhibiting their new products such as Broccolis, Mushrooms, Capsicums, etc. 'The Krishi Vignan Kendra', a project supported by the Indian Council of Agricultural Research, provides a further impetus to this activity.

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

Context:

In a world confronted with ecological disturbances, the subject 'Climate Studies' needless to say, is indeed significant. The functions and festivities which form an integral part of our curricula and community interactions, combined with farmers activities may add a new dimension to the interdisciplinarity and fruitfulness of the project.

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

These two practices may be adopted by any institution which intends to promote holistic education and community interaction.

Any other information regarding Innovations and Best Practices which the university would like to include.



Visva-Bharati

Santiniketan 731235

INDIA

SELF-STUDY REPORT

Part - C

Vol. 1

Evaluative Report of the Departments

Submitted to
National Assessment and Accreditation Council
2014

C O N T E N T S

SANGIT BHAVANA (INSTITUTE OF MUSIC, DANCE & DRAMA)

| | |
|---|-----------|
| Rabindra Sangit, Dance and Drama | 1 |
| Hindustani Classical Music | 44 |

KALA BHAVANA (INSTITUTE OF FINE ARTS)

| | |
|-----------------------|------------|
| Painting | 70 |
| Sculpture | 96 |
| Graphic Art | 114 |
| History of Art | 136 |
| Design | 156 |

Evaluative Report of the Department of Rabindra Sangit, Dance and Drama

1. **Name of the Department:** Rabindra Sangit, Dance and Drama, Sangit-Bhavana (Institute of Music, Dance and Drama), Visva-Bharati, Santiniketan
2. **Year of establishment:** 1933
3. **Is the Department part of a School/Faculty of the University?** Yes.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) B.Mus
 - b) M.Mus
 - c) M.Phil
 - d) Ph.D
 - e) D.Litt
 - f) One Year Course for Foreign Students in all subjects under Sangit Bhavana,
 - g) Two Year Certificate Course.
5. **Interdisciplinary programmes and departments involved:**

The faculty and students regularly perform programmes with the different departments of the Bhavanas at the University level. The Sangit Bhavana constantly is keeping in touch with Rabindra Bhavana towards organizing seminars, conferences, programmes at the National level. The Bhavana also undertakes collaborative research programmes. Students are offered courses like Tagore Studies, Environmental Studies with the other departments of Visva-Bharati at the UG level. At the PG level, the subject Acoustics is being offered by the Physics department.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Collaborations in the field of performances have been developed with other Universities, Institutes such as Rabindra Bharati University, Bengal Music College, Calcutta University.

The Bhavana is under process of undertaking Courses in collaborations with Kerala Kalamandalam and Yunan University, Kummin. Also a Mutual collaboration with

Satyajit Ray Film Technology Institute (SRFTI) is under progression.

7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Annual/Semester system/Choice Based Credit System.
Semester with Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:**
 - a) Environmental Studies, Tagore Studies at UG level.
 - b) Acoustics at PG level.
 - c) Students of Sangit Bhavana also participate in Certificate Courses offered by Bhasha Bhavana on Indian and European Languages like Sanskrit, Marathi, Tamil, Assamese as well as foreign languages like French, German, Russian and Italian.
The faculty also offers classes on Sitar and Esraj to the school students of Patha-Bhavana.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|---------------------|------------|--------|------------------------------|
| Professor | 3 | 3 | 3(Substantive)+6(CAS)=9 |
| Associate Professor | 2 | 2 | 2(Substantive)+2(CAS)=4 |
| Asst. Professor | 28 | 24 | 24 |
| Others | - | - | - |
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Prof. Ashok Kumar Ganguly
Qualification : M.A., Ph.D
Designation : Professor Re-appointment
Specialization : Rabindra Sangit
No. of Years of Experience : 35
No. of Ph.D./M.Phil. students Guided for the last 4 years : 01
 - b) **Name** : Prof. Indrani Mukhopadhyay
Qualification : M. Mus., Ph.D
Designation : Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 18
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 8
- c) **Name** : Prof. Madhabi Ruj (Ghosh)
Qualification : M. Mus., Ph.D
Designation : Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students
guided for the last 4 years : 06
- d) **Name** : Prof Swastika Mukherjee
Qualification : B.A, B High Grade,
Designation : Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students
guided for the last 4 years : 01
- e) **Name** : Sri Malay Sankar Chatterjee
Qualification : M. Mus. B-High Grade
Designation : Associate Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- f) **Name** : Sri Prasanta Kumar Ghosh
Qualification : B. Sc. B.Ed., M. Mus. B-High Grade
Designation : Associate Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- g) **Name** : Smt. Arpita Datta (Das)
Qualification : BSc, M. Mus. B-High Grade
Designation : Assistant Professor
Specialization : Rabindra Sangit
No. of Years of Experience : 02
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- h) **Name** : Dr. Nandita Basu Sarbadhikary

- | | | | |
|----|---|---|---|
| | Qualification | : | M.A, M. Mus. Ph. D. B-High Grade |
| | Designation | : | Assistant Professor |
| | Specialization | : | Rabindra Sangit |
| | No. of Years of Experience | : | 01 |
| | No. of Ph.D./M. Phil. students guided for the last 4 years | : | 02 |
| i) | Name | : | Dr. Manini Mukhopadhyay |
| | Qualification | : | M.A, M. Mus. Ph. D. B Grade |
| | Designation | : | Assistant Professor |
| | Specialization | : | Rabindra Sangit |
| | No. of Years of Experience | : | 01 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| j) | Name | : | Dr. Saptarshi Ray |
| | Qualification | : | M. Mus. PhD, B Grade |
| | Designation | : | Assistant Professor |
| | Specialization | : | Rabindra Sangit |
| | No. of Years of Experience | : | 01 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
| k) | Name | : | Sri Surajit Roy |
| | Qualification | : | B.A (Bengali), M.A. (Rabindrasangit), B High Grade (Esraj) |
| | Designation | : | Assistant Professor |
| | Specialization | : | Rabindra Sangit |
| | No. of Years of Experience | : | 01 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| l) | Name | : | Sri Manas Bhul. |
| | Qualification | : | M. Mus. B-High Grade |
| | Designation | : | Assistant Professor |
| | Specialization | : | Rabindra Sangit |
| | No. of Years of Experience | : | 01 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| m) | Name | : | Prof. Sruti Bandopadhyay |

- | | | |
|----|--|--|
| | Qualification | : M.A., NET (JRF), Ph. D. & D. Litt. 'Top' Grade Manipuri Dance |
| | Designation | : Professor |
| | Specialization | : Manipuri Dance |
| | No. of Years of Experience | : 20 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : Ph. D.-05 & M. Phil.- 4 |
| n) | Name | : Prof. Y. Hemanta Kumar |
| | Qualification | : B.A (Manipuri Literature), Diploma, Post Graduate Diploma (Ras), Diploma in Creative Choreography, B-High Grade |
| | Designation | : Professor |
| | Specialization | : Manipuri Dance |
| | No. of Years of Experience | : 21 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : 05 |
| o) | Name | : Prof. K. Sunita Devi |
| | Qualification | : B.A (Manipuri Literature) Diploma in Manipuri Dance |
| | Designation | : Professor |
| | Specialization | : Manipuri Dance |
| | No. of Years of Experience | : 20 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : 06 |
| p) | Name | : Dr. Sumit Basu |
| | Qualification | : M.A. Ph. D., Diploma and Post Graduate Diploma Manipuri Dance, B-High Grade in Loknritya, Rabindranritya and Manipuri. |
| | Designation | : Assistant Professor |
| | Specialization | : Manipuri Dance |
| | No. of Years of Experience | : 13 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : 07 |
| q) | Name | : Smt. T. Gyanapati Devi |
| | Qualification | : B.A (Education) Diploma in Manipuri Dance, Post Graduate Diploma in Manipuri Ras Traditional Artist |

- Designation** : Assistant Professor
- Specialization** : Manipuri Dance
- No. of Years of Experience** : 01
- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- r) **Name** : Smt. Binodini Devi
- Qualification** : S.H.L.C. Exam.
- Designation** : Accompanist
- Specialization** : Manipuri Song
- No. of Years of Experience** : 20
- No. of Ph.D./M.Phil. students guided for the last 4 years** :
- s) **Name** : Sri K. Premjit Singh
- Qualification** : P.G. Diploma Manipuri Mridanga
- Designation** : Accompanist
- Specialization** : Pung (Khol)
- No. of Years of Experience** : 20
- No. of Ph.D./M. Phil. students guided for the last 4 years** : Nil
- t) **Name** : Sri M. Kendra Singh
- Qualification** : H.S.
- Designation** : Accompanist
- Specialization** : Pung (Khol)
- No. of Years of Experience** : Joined on 08.02.2014 (5th Months)
- No. of Ph.D./M. Phil. students guided for the last 4 years** : Nil
- u) **Name** : Prof. T. S. Vasunni
- Qualification** : 'A' Grade artist of Doordarshan, Proficiency in Art (Kalamandalam)
- Designation** : Professor
- Specialization** : Kathakali Dance
- No. of Years of Experience** : 32
- No. of Ph.D./M. Phil. students guided for the last 4 years** : 04
- v) **Name** : Sri Mohan Kumaran P.

Qualification : M.A. (Malayalam & Sanskrit) B.Ed.
Designation : Associate Professor
Specialization : Kathakali Dance (Theory and Practical)

No. of Years of Experience : 17

**No. of Ph.D./M. Phil. students
guided for the last 4 years** : 02

w) **Name** : Sri P. Mukunda Kumar
Qualification : Diploma in Kathakali (Kalanilayam)

Designation : Assistant Professor

Specialization : Kathakali Dance

No. of Years of Experience : 10

**No. of Ph.D./M. Phil. students
guided for the last 4 years** : Nil

x) **Name** : Sri Basanta Mukherjee
Qualification : M. Mus.
Designation : Assistant Professor
Specialization : Kathakali Dance and Rabindranritya
No. of Years of Experience : 12
**No. of Ph.D./M. Phil. students
guided for the last 4 years** : Nil

y) **Name** : Sri N. P. Sankarnarayanan
Qualification : Proficiency in Art, P.G. Kathakali
(Kalamandalam), B-High Grade
Designation : Assistant Professor
Specialization : Chenda
No. of Years of Experience : 29
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : Nil

z) **Name** : Sri Rajesh Menon N.
Qualification : B.A. (Kathakali Music), B-High Grade
Designation : Assistant Professor
Specialization : Kathakali Dance (Song)
No. of Years of Experience : 04
No. of Ph.D./M.Phil. students

- guided for the last 4 years** : Nil
- aa) **Name** : Sri Rajan P.
Qualification : 7th Class Diploma in Maddalam from UWS
Kalanilayam National Jr. Fellowship
Designation : Accompanist
- Specialization** : Maddalam
No. of Years of Experience : 03
**No. of Ph.D./M. Phil. students
guided for the last 4 years** : Nil
- bb) **Name** : Sri Suchindranath Puthan
Qualification : Master of Arts. (Kathakali Acting) from
Kerala Kalamandalam
Designation : Assistant Professor
Specialization : Kathakali Dance
No. of Years of Experience : 02
**No. of Ph.D./M. Phil. students
Guided for the last 4 years** : Nil
- cc) **Name** : Prof. Tarak Sengupta
Qualification : M.A. (Drama), Diploma in Photography
Designation : Professor
Specialization : Drama & Theatre Arts (Acting/Direction) and
Photography
No. of Years of Experience : 17
**No. of Ph.D./M. Phil. students
Guided for the last 4 years** : 04
- dd) **Name** : Sri. Rajesh K. V.
Qualification : M.A. M.Phil.
Designation : Assistant Professor
Specialization : Drama
No. of Years of Experience :
**No. of Ph.D./M. Phil. students
Guided for the last 4 years** : Nil
- ee) **Name** : Dr. Amartya Mukherjee.
Qualification : M.A. SLET, Ph. D (Rabindra Natak)
Designation : Assistant Professor

- Specialization** : Drama
No. of Years of Experience : 10 Years, Joined on Jan. 2014
No. of Ph.D./M. Phil. students
Guided for the last 4 years : Nil
- ff) **Name** : Dr. Biplab Biswas
Qualification : M.A. NET (JRF), Ph.D (Drama)
Designation : Assistant Professor
Specialization : Drama
No. of Years of Experience : Joined on Jan, 2014
No. of Ph.D./M. Phil. students
Guided for the last 4 years : Nil
- gg) **Name** : Sri Mrityunjay Kumar Prabhakar.
Qualification : M.A. MPhil, NET (JRF)
Designation : Assistant Professor
Specialization : Drama
No. of Years of Experience : Joined on Feb, 2014
No. of Ph.D./M. Phil. students
Guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof. Sitansu Ray, Emiretus Professor, 2014
- b) Prof. Arup Ratan Bandopadhyay, Emiretus Professor, 2014 (continuing)
- c) Prof Arun Kumar Basu, Scholar in Residence 2014
- d) Prof. K. Jatindra Singh, Visiting Professor, 2014
- e) Prof. Sandip Basu Sarbadhikary, Adjunct Professor, 2013 (continuing)
- f) Prof. Arun Kumar Basu (Rabindra-Sangit) November to December, 2011. Visiting Professor
- g) Sri Prabir Guha (Drama & Theatre Arts.)-Visiting Professor- 2012
- h) Dr. Goutam Chatterjee (Drama & Theatre Arts.)- 2012
- i) Prof. P. V. Balakrishanan (Kathakali Dance) 2011.- Visiting Professor
- j) Smt. Usha Ganguly (Drama & Theatre Arts.) 2012-2013- Scholar in residence
- k) Sri Weerasena Gunathilaka, Sri Lanka, (Rabindra Sangit) April 2013- Visiting Professor
- l) Smt. Nalini Gunathilaka, Srilanka (Candy Dance) April 2013- Visiting Professor
- m) Dr. Francesca Cassio, Italy, Visiting Fellow, 2009 and 2010.
- n) Dr. William Radice, UK, Visiting Professor, 2009 and 2010.
- o) Late Amitava Dasgupta, Visiting Professor, Gurgaon, India, 2009 and 2010.
- p) Prof. Satyabhan Sharma, Visiting Professor, 2010.

13. Percentage of classes taken by temporary faculty – programme-wise information:

One temporary faculty of the Drama discipline taking 40% classes in a month at UG level.

14. Programme-wise Student Teacher Ratio:

UG 1:10, PG 1:10.

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------|------------|---|--------|
| Technical | 02 | 01+01 Vacant Since 1 st January 2014 | 01 |
| Administrative | 02 | 01 | 01 |

16. Research thrust areas as recognized by major funding agencies:

The nature of the Bhavana is indicative of the research thrust areas in the Practical field. The performances that are put up in the festivals, conferences and seminars are all based on research on these areas, particularly on the music and its development by Rabindranath Tagore. Even the dances, as part of festivals are researched following the vision of Tagore in this field. The University has developed a corpus fund with the performance fees/honorarium received from the various institutes/organizations etc. towards the productions of Sangit Bhavana under the *Rabindra Sangit Gabeshana Kendra*. This corpus fund is primarily instituted to further the research work of the Centre.

The following are a few examples of our endeavor to research in our thrust areas.

- A vast and important project on *Kalanukramik Rabindra-Sangit Prakalpa* has been taken by the Dept. of Rabindra Sangit, Dance & Drama Sangit-Bhavana and the work has already been started from 10.09.2012, with Prof. Arun Kumar Basu and Prof. Indrani Mukhopadhyay as Chairman and Coordinator respectively.
- Rabindra-Sangit Gabeshana Kendra* (A Centre for Research on Rabindrasangit) under Sangit-Bhavana is a unique concept for research and is set up under the Chairmanship of Upacharya, Visva-Bharati and Prof. Indrani Mukhopadhyay as the Co-Chairperson.
- A “Centre for Esraj” is established for research on the favorite instrument of Tagore, Esraj, which is gradually coming under the list of extinct instruments. This Centre extends its projects to work on this instrument and follow the preservation of its technique and play practice.

17. Number of faculty with ongoing projects from a) national b) international

agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

All the projects are undertaken with the partial research grant of Visva-Bharati annually.

The faculty of Rabindra Sangit, Dance and Drama have actively engaged themselves in the ongoing research projects (refer to Item no. 16).

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

- i) The Sangit Bhavana has already taken up some collaborative measures with Kala Mandalam, Kerala, Kalakshetra, Chennai and Rabindra Bharati University, Kolkata through exchange programmes and some project work in tune with Tagore Cultural Ethics and ethos of Visva-Bharati.
- ii) Sangit Bhavana is taking initiative to collect funds for these endeavours.

b) International collaboration:

- i) A Mou has been signed with Yunan University, Kummin, China for faculty and student exchange programmes.
- ii) The Indian Council for Cultural Relationship (ICCR) is also looking for collaborations with Sangit Bhavana for projects with other international institutes.
- iii) Foreign students under ICCR sponsorship are regularly visiting and studying in the Bhavana from almost the inception of such effort by the Government of India.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: None at the moment.

20. Research facility / centre with a) state recognition b) national recognition c) international recognition

- a) Referring to Item 16 the Research Centers are recognized at the State and National level.
- b) The Sangit Bhavana has been allotted partial financial assistance for the promotion of research from the grant received on the occasion of the celebrations of the 150th Birth Anniversary of Rabindranath Tagore.

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Sangit Bhavana is preparing one Archive to keep records collected from the alumni of the Sangit Bhavana which would serve as major research assistance to the students from within and outside.

22. Publications:

Prof. Dr Indrani Mukhopadhyay

Articles/Research Papers –

- a) *Gitanjali o Shantiniketan Prabandhamala: bhabar aikya* in Paschim Banga Sardha Satabarsha, Rabindaranath, 2010. Information and Broadcasting Dept. Govt. of West. Bengal, Page no. 530
- b) *Transition from Gitanjali (Bengali) to Gitanjali (Song Offerings)*, jointly with Sushanta Duttagupta, Occasional Paper 8, Celebrating the centenary of the award and handover of the Nobel Prize to Rabindranath Tagore, Rajbhavan, Kolkata on 29.01.2014.
- c) *Relevance of Tagore's Visva Bharati in the Contemporary World*, jointly with Sushanta Duttagupta, Visva Bharati Quarterly, Volume 23 Number 1, April 14-June 14
- d) *Gitanjali: amar nibrito bicharan* in the book Gitanjali Sur O Bani, Visva Bharati Granthan bibhag, 1421 (Bengali) khetra 31

Prof. Dr. Madhabi Ruj (Ghosh)

Book - *Folk Songs of Birbhum* by Ekush Satak, Kolkata 2012.

Articles/Research Papers –

- i) “*Khshitimohan Sen-er dristi te Gitanjali*” published in “Paschim Banga Sardha Satabarsha, Rabindaranath, 2010. Information and Broadcasting Dept. Govt. of West. Bengal Page no-564-567.

Dr Nandita Basu Sarbadhikary

Articles/Research –

- a) *Jatio Jagorone Sarala Devir Bhumika* published in the book of IGCNI, Visva-Bharati Women, Culture and National Integration p.p. 117-125
- b) *The impact of Indian epics on South East Asia* published in 2010 in the Proceedings of the 4th Biennial International Conference of the Indian Association of Asia and Pacific Studies held in August 2008.
- c) *Sur-o-Sanhati : Rabindranather Abodan* published in Antarmukh a Bengali research journal Vol.-I, No.-1, title- *Shardha Sata Janmo Barshe Rabindranath-o-Tar Sristi*.

Chapter in Books –

Sanjh Sokaler Surer Thate, a chapter published in the book Oi Asontale, Deys` Publishing Kolkata, 2010 edited by Alpana Roy.

Mohan Kumaran P:

Paper published in Journals –

Published two articles on Aesthetics in the international e- journal ‘Sangit Galaxy’. <http://sangeetgalaxy.co.in/> ISSN 2319 – 9695

Editorship of Journals: Member of Editorial advisory board for International E Journal ‘Sangeet Galaxy’ <http://sangeetgalaxy.co.in/> ISSN 2319 – 9695.

Dr Saptarshi Ray:

Shanaier Shrabanshilpi Rabindranath Sahitya-Parishat-Patrika (Vol. 117, No.2-4, 1417) Acharya Praphulla Chandra Road, Kolkata-700006 Published on 8th Shraban 1420.

Prof. Sruti Bandopadhyay

Books –

- a) *Manipuri Dance: An assessment on history and presentation*, published by Shubhi Publications, 2010, New Delhi (The work awarded the D.Litt by Visva Bharati)
- b) *Modern Dance: A multifaceted dimension*(ed) published by Rabindra Bharati University, 2008, Kolkata.

Journals –

- a) *Hastas of Indian Classical Dances* in the Journal of Bangla Academy, Aug 2013.
- b) *The role of dhrupadi dances in Tagore’s productions*, Ninad, Magadh Mahila College, Patna University Music Journal. 2012
- c) *Manipuri dance and Rabindranath Tagore*, Department of Musicology, Benaras Hindu University, 2012
- d) *Shyama: An atypical love tryst*, Journal of Mahishadal Girls College, 2012
- e) *Manipuri dance in local, national and transnational settings* in the Manipuri Sahitya Parishad publication (Golden Jubilee Year), 2011, Pg 112-124.
- f) *Dance Vision of Rabindranath Tagore*, WB Dance Group Federation Journal, 2010
- g) *The Dance Drama Chitrangada*, in Journal titled *Rabindranatye Mahakaver Nari*, published by Natyakatha, 2010
- h) *Manipuri Dance: A lyrical manifestation of Devotion* in Dance Matters, Chakraborty and Gupta(ed), published from London, 2009, Routledge Publication, Pg 140-149
- i) *Dance: A tool of Sanskritization in Manipur* in e-journal Ausdance www.ausdance.org.au, 2009
- j) *Dance in Drama and Drama in Dance*, WB Dance Group Federation Journal, 2009
- k) *Manipuri dance in India* in Kala Spandana in May 2009 (a series of articles) published from Bangalore.
- l) *Ruth St Denis: An unforgettable personality of Modern Dance* (Bengali), Rabindra Bharati University Annual Journal, May 2009

Prof. Y. Hemanta Kumar

Book –

“PUNGLON BHANGI PARENG MANGAGI’’, Imphal, Manipur

Dr Sumit Basu:

Articles –

| Sl No. | Page no. | Title | Journal name |
|--------|----------|-------------------------------------|--------------------------------------|
| 1 | 28-32 | Chakpa Faiyeng lai haraoba | Nritya Kalpa, WBDGF, Kolkata |
| 2 | 70-74 | Chakpa Laiharaoba | Nritya Rasa manjari, RBU, Kolkata |
| 3 | 19-20 | Manipuri Nritya o Baisnab Sangit | Ajker Sangbad Provakar, BSP, Kolkata |
| 4 | 31-37 | Manipuri Thang-ta nritya | Nritya Kalpa, WBDGF, Kolkata |
| 5 | 43-46 | Manipuri Nritya Kanglei Lai-Haraoba | Nritya Rasa manjari, RBU, Kolkata |
| 6 | 1-4 | Manipuri Nata Cholom Nritya | Nritya Darpan, WBDGF, Kolkata |

Books –

- Manipuri Adivasi Nritya o ThangTa, 2011*
- Manipuri Laiharouba Nritya, 2012*
- Manipurer Nata-sankritan Cholan Nritya, 2013*

Prof. Tarak Sengupta

Article published in edited Books :

| Sl. No. | Title of Article with Page Numbers | Book Title/Editor/Publisher | Date of Publication |
|---------|---|--|--|
| 1 | “Rabindra Natye Prem – Puja” Page No : 117 to 123. | “Rabindra Natya Samiksha” Edited By Dr. Dilio Kumar Mitra. Publisher : Dishari Prakashanee, Kolkata. ISBN : 978 – 81 – 909368 – 9 – 7 | 25 th December, 2011. |

Article published in Journals :

| Sl. No. | Title of Article | Journal Title/Publisher | Date of Publication |
|---------|----------------------------|---|---------------------------------|
| 1 | “ Art et’ per differentia” | Proceedings of “International Photographic Conference” Publisher:Photographic Association Of Dumdum [theInternational institute of Photographic Art], Kolkata.in | 23 rd January, 2010. |

| | | | |
|---|--|---|--|
| | | Collaboration with Birla Industrial and Technological Museum, Kolkata Edited By Prof. Biswatosh Sengupta. | |
| 2 | “ <i>Satyakaa m</i> ” [Based on Tagore’s Poem ‘ <i>Brahmman a</i> ’] | “ <i>Natya Katha Patrika</i> ” (the Reputed Bengali Journal), Kolkata. “Shruti – Natye Rabindra Kavita Sankhya” Publisher&Editor : Sri. Soumitra Chattopadhyay. Issue : Year – 16 / Volume – 19. Page No : 29 to 37. DL. No. : 14 | 1 st July, 2011. |
| 3 | “Rabindra Natye Prem – Pujar Abhimukha ” | “ <i>Mancha Katha Patrika</i> ” (the Reputed Bengali Journal of Bangladesh) Publisher : Tapur Tupur Prakashana, <i>Bangladesh</i> . Issue : Year – 2 / Volume – 4. [Special Issue on Rabindranath Tagore] | July, 2011. |
| 4 | “ <i>The Theatre And Its Therapeuti c Value</i> ” | Proceedings of International Seminar on “ <i>Current Trends In Music Therapy Practices : Methodology, Techniques And Implementation</i> ” Publisher :Department of Vocal Music, Faculty of Performing Arts, Banaras Hindu University, Varanashi. Page No : 377. | 17 th February, 2012. |
| 5 | “ <i>Shilpe Anukaranv ad</i> ” [on <i>Aesthetics</i>] | Journal : “Agdum Bagdum” Publisher: Sangit Bhavana, Visva- Bharati. | On the Occasion of ‘Ananda Bazar-2012’ organised by V.B. |
| 6 | “ 330 Downer Aami, Tini O Se : Madhya Rater Natya Aalochana ” | “ Bahata Sahitya Patrika ” (the Reputed Bengali Journal), Kolkata. Publisher&Editor : Smt. Rubi Chattopadhyay. Issue : Year – 4 / Volume – 4. Page No : 35 to 45.. | 1 st January, 2013. |

| | | | |
|---|---|---|---|
| 7 | <i>“Geneus Per et’ Differentia ” [on Aesthetics]</i> | Journal : “Agdum Bagdum” Publisher: Sangit Bhavana, Visva- Bharati. Issue : First year | On the Occasion of ‘Ananda Bazar–2013’ organised by V.B. 07.10.2013. |
| 8 | <i>“ Shuyorer Charbi” [Based on Short – Story ‘Rang’</i> | <i>“Natya Katha Patrika”</i> (the Reputed Bengali Journal), Kolkata. “Samores Basur Nirvachita Galper Shruti –Natyarup Sankhya” Publisher& Editor: Sri. Soumitra Chattopadhyay. Issue : Year – 18 / Volume – 21. ISBN NO : 2250 – 3307 | 11 th December, 2013. |
| 9 | <i>“ Amar Ghosh : Bangla Peshadaree Mancher Antim Abhibhaka ”</i> | <i>“Natya –Mukhapatra”</i> (the Reputed Bengali Theatre– Weekly), Howrah. Publisher&Editor : Sri Shib Mukhopadhyay. Page No : 2 [Editorial Page] | 23 rd January, 2014. |

Dr Amartya Mukherjee

Articles/ Research Papers –

- Pathyapustake Bidyasagar : Unish Shatake Pratham Prakrita Bhasha-
- Shikshak, Korak Sharadeeya 1410, pp 87-91.
- Achalayatan Theke Guru, Ranar, Sharadeeya 1412, pp 22-26.
- Brahamasangeete Swadeshchetona, Punarmilan Smarakpatra (Department of Bengali, Visva-Bharati), January 2007, pp 61-64.
- Mishrashilpa : Rabindranath, Smarakpatra Pustakmela 25Barsha (Tagore Society, Jamshedpur) 2009, pp 76-78.
- Rajake Rangamanche Dekha Jaibe, Purbapashchim Barshik Natyapatra 2010, pp 39-43.
- Chittapoter Rangamancha : Bittapoter Anatan, Purbapashchim Barshik Natyapatra 2011, pp 23-25.
- Rabindranatyabhinay : Prastuti o Porimiti, Shudrak Barshik Natyapatra Sharat 1418, pp 29-34.
- Bhanusingher Padavalir Nrityanatyabhinay, Sahanagarikmancha, Pratham Barsha, Dwitiya Sangkha, May 2011, pp 34-36.
- ‘Chandboniker Pala’-r Manchasangsthan : Ekti Porikalpana, Chaturanga, Magh Choitra 1418, pp 310-317.

- p) Raja Theke Arupratan : Proyogshilpe Uttaran, Visva-Bharati Patrika, Kartik-Poush 1419, pp 16-21.
- q) Ekhono Gelo Na Andhar, Pashchimbanga Natya Academy (Rabindrasangkha), August 2012, pp 179-182.
- r) Rabindranritya Na Ki Rabindrprabartita Nritya, Purbapashchim 2012, pp 179-182.
- s) Rabindranather Manchabhabna, Chhanda, Ashwin 1420, pp 9-11.
- t) Prakash Porikalpana, Pratishthanik Path O Protibandhakata, Sahityasangee, 22Shravan 1420, pp 27-29.
- u) Raktakarabee : Natyamanchakalpa, Sampadita Grantha, Kalyani Publication, 2013-14.
- v) Ganer Sure Amar Mukti, Tagore Society, Jamshedpur, Smarakpatra, Rabindrasangeet Sammelan 2013-14.
- w) 'Raja'-r Bichhinna Pandulipi : Adarshan O Anullekh, Rabindrakiksha 54, 22Sharavan 1420, pp. 55-58.
- x) Rabindranatak : Prayogshilper Abhinaba Abhibyakti, Bangla Patrika 1420.
- y) Rabindranatye Rathindranath, Purbopashchim 2013, pp 5-8
- z) Chander Pahar 75, Patrika Beadon Street Shubham, 2014.
- aa) Raktakarabi : Prabanchana, Uttarjug, June 2010, p-6.
- bb) Poushmelar Korcha, Khoyai 17, Poush 1418, p-28.
- Book –

Rabindranatak : Bichitra Bismay : Saptarshi Prakashan, July 2007.

Dr Biplab Biswas

Published Chapter in a Referred Journal –

| Sl. No. | Title of the Essay | Title of the Journal | Editor | Publisher | Year |
|---------|--|--|--|--|---|
| 01. | “Rabindranather chhinnaapatra : Deshkaler Gondi Periyer Visvaloker Bhabna Pathe Jatra” | Rabindranath Tegore : Nationalism & Internationalism ISBN : 978-81-922902-0-1 | <u>Edited by</u> Smt. Sarmila Das, Assistant Prof. in History, S.S.C.E. | Shimurali Sachinandan College of Education, Shimurali, Nadia | August 19 th & 20 th , 2011 |
| 02. | “Unish Shatakiya Banglar Samaj Sanskriti o `Ekei Ki Bole Sabhyata” | Open Eyes Journal of S.R.L Mahavidyalaya, Vol.-7 ISSN- 2249-4332 | <u>Joint Editors</u> Bhabesh Majumder & Dr. Sanjoy Sarkar | S.R.L. Mahavidyalaya | Dec.2010 |
| 03. | “Banga-bhanga O Swadeshi Andolan : Rabindranath O Samasamayek | Partition of Bengal(1905) and Rabindranath Tegore ISSN : 0976-4968 | <u>Edited by</u> Dr. Saptarshi Chakraborty & Banibrata Goswami, | Panchakot Mahavidyalaya, Sarbari More, Nuturia, | 01 & 02 December 2011 |

| | | | | | |
|-----|---|--|---|--|---|
| | Aprodhhan Natyakarder Natyaprayas” | | Panchakot Mahavidyalaya , Nuturia, Purulia | Purulia | |
| 04. | “Bangla Natok O Rangomanche Ishwarchandra Vidyasagorer Abodan” | 2 nd International Congress of Bengal Studies ISBN : 978-984-33- 4444-1 | Dr, Rafique Ullah Khan, Professor, Dept. of Bengali, Dhaka University, Dhaka, Bangladesh | Dhaka University, Dhaka, Ba ngladesh | 17-20 th Decembe r, 2011 |
| 05. | “Bangla Natyavinoy Niyantane Rajshaktir Soiratantri Hastokshap : Natyaniyantron Bil Pasher Purbaborti Du- dashaker Nirmam Itihas” | ACADEMIC SPECTRUM, a multi-disciplinary , refereed journal ISSN : 0976-0323 | <u>Edited by</u> Dr. Jayanta Kr. Biswas Associate Professor, Dept. of ICEE, Universit y of Kalyani, Nadia, West Bengal | Council for Academic Spectrum, Kalyani, Nadia, West Bengal | Dec. 2011 |
| 06. | “Ekabingsha Shatabdir Shishu O Kishor Shikshay Bangla Sahitya :Shikarer Sandhane” | “Education in 21 st Century” SSCE Publication No. 3 ISBN -978-81- 922902-2-5 | <u>Edited by</u> Sri Santanu Sen Shimurali Sachinandan Collage of Education Shimurali, Nadia | Dr. Debi Prosad Nag Chowdhury Principal, SSCE | Sept. 2012 |
| 07. | “Bangla Natyavinoy Niyantane Rajshaktir Soiratantri Hastokshap : Natyaniyantron Bil Pasher Paraborti Du- dashaker Nirmam Itihas” | EDULIGHT <i>Multi-disciplinary, Peer-Reviewed Journal</i> ISSN No.-2278- 9545 Vol-I, No.-1, May2012 | <u>Editor-in Chief</u> Dr. Prabir Pramanick <u>Co-editor</u> Dr. Sanjay Pal Dr. Biplab Biswas | Mr. Ajit Mondal Council of Edulight Kalyani, Nadia, West Bengal- 741235 | May 2012 |

| | | | | | |
|-----|---|--|--|--|-----------------------------|
| 08. | “Bimal Mitre` Saheb Bibi Golam` : Adhunik Kolkatar Protichhobi” | EDULIGHT <i>Multi-disciplinary, Peer-Reviewed Journal</i> ISSN No.- 2278-9545 Vol-I, Issue-2, November 2012 | <u>Editor-in Chief</u> Dr. Prabir Pramanick <u>Co-editor</u> Dr. Sanjay Pal Dr. Biplab Biswas Mr. Buddhadeb Adhikari | Mr. Ajit Mondal Council of Edulight <i>Kalyani, Nadia, West Bengal- 741235</i> | <i>November</i> 2012 |
|-----|---|--|--|--|-----------------------------|

Articles / Chapter in a books –

| Sl. No. | Title of the Essay | Title of the Journal | Editor | Publisher | Year |
|---------|---|--|---|------------------------|-----------------------------|
| 01. | “Bangla Shishu-Kishor Sahityer Bikashe Samayekpatrer Bhumika” | Bangla Shishu O Kishor Sahitya : Adhunik Bichar ISBN : 978-81-89827-14-4 | Editor : Dr. Prabir Pramanick | Bangiya Sahitya Samsad | 2010 |
| 02. | “Bibhinno Angike Manik Bandyapadhyayer ‘Holud Pora’ | Chotogalpe Monimukta-Byakhya O Bishleshan ISBN : 978-81-89827-63-2 | Editor : Prof. Rabindranath Bandyapadhyay | Bangiya Sahitya Samsad | Kolkata Book Fair , 2011 |
| 03. | “Santiniketan-Parbe Projojak Ebong Abhineta Rabindranather Swatantra Natyabhinoy” | Rabindranath-Anubhabe Anudhyane ISBN : 978-93-81672-24-2 | Editor : Dr. Subrata Mallik | Books Way Publication | 22 Shrabana, 2011 |
| 04. | “Annadashankar Rayer : Pathe Probase | Bangla Prabandha O Samalochana Sahitya-Bishleshan O Bichar ISBN : 978-93-82045-35-9 | Editor : Prof. Rabindranath Bandyapadhyay & Dr, Sanjay Pal | Sahitya Sangi | Doljatra, 1419 |

| Sl. No. | Title of the Essay | Title of the Journal | Editor | Publisher | Year |
|---------|---|---|-------------------------|--|---------------|
| 05. | “Unish-Shataker Nirbachito Kayekti Samajik Natoke Protibadi Charitro” | Bangla Natoke Protibader Starantor ISBN- 978-81-923685-1-1 | Editor : Anal Biswas | Panchmura Mahavidyalaya, Panchmura, Bankura | January, 2012 |
| 06. | “Samajik Natoke Sanglaper Goti-Prokriti (1852-1900)” | “Samajik Natoke Sanglaper Goti-Prokriti (1852-1900) ISBN-978-93-82045-31-1 | Dr. Biplab Biswas | Sahitya Sangi | 2012 |

Mrityunjay Kumar Prabhakar:
Books –

- ‘Sashi Dekho Jag Baudana’* - a Play Published by Inklit Publication, Jan, 2014, ISBN9788192458939
- ‘Jayen To Jayen Kahan’* -An adaptation of Ngugi Wa Thiong’s play *‘The Black Hermit’* published by Inklit Publication, Feb 2014, ISBN 9788192458922
- ‘Andha Yug: Ek Punravalokan’* - An article published in magazine Samved, June 2013, ISSN 2231-3885
- Samkaleen Rangarm, 2013 (Book on Contemporary Theatre of India), Publisher – Inklit Publication, New Delhi,
- ISBN No. – 9788192458908
- Jo Mere Bheetar Hain, 2013 (Poetry Collection), Publisher Sahitya Akademi, New Delhi.
- ISBN No. – 9788126040216
- Nataktrayi , 2009 (Collection of Translated Plays of H.S. Shivaprakash
- One of them ‘Mochi Maddaiah’), Yash Publication, New Delhi.
- ISBN No. 8189537687

Journals –

- Samved, 2013, Article – Andha Yug, Punarpath, ISSN No. – 2231-3885,
- Sanchar Madhyam, 2012, Article – Bhikhari Thakur, Lok Jeevan Se Samvad, ISSN No. – 23212608
- Samved, 2012 Bhartiya Rangarm men samkaleenta ki Khoj, ISSN No. – 2231-3885

Prof Swastika Mukherjee:

C.D. Publications

- a) March 2012: Madhuri Utsave-Chorous Rabindra Sangit published by Bhavna records.
- b) June 2012: Audio Geetabitan-1 & II, Solo published by Bhavna records.
- c) November 2012: Shyama Bhikhari Songs of Atul Prasad published by Bhavna records.
- d) May, 2013: *Momo Manasa Sathi*: A Solo album of Rabindrasangit published by Bhavna records
- e) July 2013 : *Tomari Onubhobe*: An album of songs of Rajnikanta Sen, published by Bhavna Records
- f) August, 2013: *Arghya*: An album of Rabindra Sangit, published by Music
- g) October 2013: *Je Din Futlo Kamal*: A CD released by Mukta Dhara. A live performance at Netaji Indoor Stadium under the title *Hazar Kantha*.
- h) November 2013: *Gems from Santiniketan* (Two songs) published by Sa re ga ma.
- i) January 2014: *Sanskrit Rabindrasangit*: Tagore Songs in Sanskrit published by Gathani Records

Prasanta Kumar Ghosh –

CD Publication –

- a) A CD '*Pujar Dali*' on Rabindra Sangit published by STM Cassette Company, Kolkata, April 2011.

23. Details of patents and income generated: NA

24. Areas of consultancy and income generated:

No formal consultancy exists but funds are generated through performances referred to Item no. 16.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Prof. Sruti Bandopadhyay awarded the Commonwealth Academic Staff Fellowship to visit School of Arts, University of Surrey in 2012 and awarded the Visiting Lecturer Fulbright Fellowship to teach at University of Los Angeles in 2007-08.

26. Faculty serving in a) National committees, b) International committees, c) Editorial Boards, d) Any other (please specify):

Prof. Indrani Mukhopadhyay

- a) Performed the duty of the Vice-Chancellor Officiating (July 2011- Sept 2011) as per provision of Statute of Visva-Bharati.
- b) External Expert Member of Higher Degree Committee, at Rabindra Bharati University.

- c) Member, Executive Council, Visva-Bharati.
- d) Member, Academic Council, Visva-Bharati.
- e) Member, Grantham Bibhag Management Committee, Visva-Bharati.
- f) External Member, Institute Board, Kala Bhavana.
- g) Expert Committee Member, NAAC
- h) Chairman, Board of Studies, Sangit Bhavana, Visva-Bharati.
- i) Chairman, Institute Board, Sangit Bhavana, Visva Bharati
- j) Member, Central Library Committee, Visva-Bharati.
- k) Member, Research Board, Visva-Bharati.
- l) Member, Grievance Redressal Committee, Visva-Bharati.
- m) Member, Finance Committee (till July 2014), Visva-Bharati.
- n) Member, Advisory Committee, Rabindra Sadan, Govt. of W. Bengal.
- o) H.O.D. (Rabindra Sangit, Dance & Drama) 2010-2013, Sangit-Bhavana, Visva-Bharati.
- p) Principal from January 2010 to January 2014, Sangit-Bhavana, Visva-Bharati.
- q) Member, IQAC, Visva-Bharati.
- r) Member, Re-appointment Committee, Visva-Bharati.
- s) Member, Re-examining the Examination Fees Structure, Visva-Bharati.
- t) Member of Anti-Sexual Harassment Committee, Visva Bharati

Dr. Madhabi Ruj (Ghosh)

- a) External Expert Member of Board of Post Graduate Studies, V.B. and R.B.U.
- b) Member of Library Committee, Sangit Bhavana, Visva-Bharati.
- f) Member of Purchase Committee, Sangit Bhavana, Visva-Bharati.
- i) Academic Council, Visva-Bharati
- j) Research Board, Visva-Bharati
- k) Grievance Redressal Committee, Visva-Bharati

Prof. Swastika Mukherjee

- a) External Expert Member of Board of Post Graduate Studies, Department of Cultural & Creative Studies, North Eastern Hill University, (A Central University) Mawkyroh-Umshing, Shillong – 793022.
- b) External Expert Member of Evaluation Committee for Ph.D. Work, Department of Cultural & Creative Studies, North Eastern Hill University, (A Central University) Mawkyroh-Umshing, Shillong – 793022.
- c) Moderator, (M.A. Music for the 1st & 3rd Examination), Department of Music, Tripura University, (A Central University), Suryamaninagar - 799130.
- d) Member of Library Committee, Department of Hindusthani Classical Music, Sangit Bhavana, Visva-Bharati.

- f) Member of Purchase Committee, Sangit Bhavana, Visva-Bharati.

Prasanta Kumar Ghosh

- a) Member of Library Committee, Sangit Bhavana, Visva-Bharati.
b) Member of Purchase Committee, Sangit Bhavana, Visva-Bharati.

Arpita Dutta (Das)

- a) Member of three members committee, Sc/ST/OBC Cell

Dr Nandita Basu Sarbadhikary

- a) Vice-principal from September, 2013, Sangit Bhavana, V.B.

Prof. Sruti Bandopadhyay

- a) Member of VBRET Committee for 2015 admissions in Visva Bharati.
b) Member of Academic Council, Visva Bharati.
c) Member and Former NAAC Co-ordinator, Rabindra Bharati University
d) Member of World Dance Federation.
e) Member of West Bengal Dance Group Federation.
f) External Expert Member of B.O.S of Banasthali University, Tripura University.

Dr. Sumit Basu

| Sl. No. | Member | Name of the Institution |
|---------|--------------------------------|---|
| 1 | Honr. Secretary | Meitei Jagoi, Kolkata |
| 2 | Executive Member of 'Praktoni' | Rabindra Bharati University Dept of Dance |
| 3 | Member | Angeekam Kalakhestram, Kolkata |
| 4 | Member | West Bengal Dance Group Federation |

Mohan Kumaran P.

Editorship of Journals: Member of Editorial Board; www.sangeetgalaxy.co.in/
ISSN 2319-9695 (E-Journal).

Prof. Tarak Sengupta

| Sl. No. | Member | Name of the Institution |
|---------|--|---|
| 1 | Designed the U.G. and P.G. Music Syllabus As Chair- person of the CDC (Curriculum Development Committee) as well as an External Expert Member of the Selection Committee | Sikkim University (A Central University), 6 th Mile, Samdur, Po - Tadong - 737102, Gangtok, Sikkim, India. |
| 3 | Moderator, External Expert, | Dept. of Drama, Rabindra |

| | | |
|----|--|--|
| | Supervisor etc. | Bharati University, Kolkata. |
| 6 | Member of Library Committee. | Sangit Bhavana, Visva-Bharati. |
| 7 | Member of Purchase Committee. | Sangit Bhavana, Visva-Bharati. |
| 10 | Member of Standing Drama Committee. | Visva-Bharati. |
| 11 | Member(Event Coordinator) of Visva – Bharati Cultural Fest (Intra – University) etc. | Visva-Bharati. |
| 13 | Vice – Principal | Sangit Bhavan, Visva-Bharati till 2014 |

Dr. Amartya Mukherjee

- Teacher in charge, Abhedananda Mahavidyalaya
- Secretary, Teacher's Council, Abhedananda Mahavidyalaya
- Member, Governing Body, Abhedananda Mahavidyalaya
- Government Nominee, Kabi Joydeb College, Illambazar
- Member, Rabindrasangit Gabeshana Kendra, Visva-Bharati

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):
Prof. Sruti Bandopadhyay

Regularly lectures in Orientation Programs and Refresher Courses in Jadavpur University, Burdwan University, Calcutta University, Manipur University, Benaras Hindu University.

28. Student projects:

- percentage of students who have done in-house projects including interdepartmental projects: 100%
- percentage of students doing projects in collaboration with other universities / industry / institute: 30%

29. Awards / recognitions received at the national and international level by
a) Faculty:
Grade 'A' of Doordarshan awarded to

Prof. T.S. Vasunni

Grade 'B High' of Prasar Bharati All India Radio/ Doordarshan Kolkata awarded to

- Sri Moloy Shankar Chatterjee (Rabindra Sangit)
- Sri Prasanta Kumar Ghosh (Rabindra Sangit)
- Smt Arpira Datta (Das) (Rabindra Sangit)
- Dr Nandita Basu Sarbadhikary (Rabindra Sangit)
- Sri Manas Bhul (Rabindra Sangit)

- vi) Sri Surajit Ray (Esraj)
- vii) Y. Hemanta Singh (Manipuri)
- viii) Dr Sumit Basu (Manipuri, Loknritya and Rabindranritya)
- ix) Rajesh Menon (Kathakali Music)

Grade 'B' of Prasar Bharati All India Radio/ Doordarshan Kolkata awarded to

- i) Manini Mukhopadhyay (Rabindra Sangit)
- ii) Dr Saptarshi Ray (Rabindra Sangit)

Prof. Sruti Bandopadhyay

- i) Top Grade artist of Doordarshan in Manipuri Dance.
- ii) Awarded the Commonwealth Academic Staff Fellowship in 2012.
- iii) Awarded with Sri Lalit Kala Ratna Award in 2010 by Sri Lalit Kala Academy, Mysore
- iv) Awarded D.Litt by Sangit Bhavan, Visva Bharati in 2010
- v) Performances in South Africa under the aiges of ICCR in 2009.
- vi) Awarded the Visiting Lecturer Fulbright Fellowship in 2007-08

Prof. Swastika Mukherjee –

- i) Srutibritto Shilpi Songho on 29th March, 2013.
- ii) Kabi Jyotindranath Sengupta Smriti Samman on 28th June 2013.
- iii) Sangat Music Academy, Burdwan.

Prof. Tarak Sengupta

- i) “*Shiksha Rattan Puraskar*” with Certificate of Excellence Presented By India International Friendship Society, New Delhi. [18th November, 2008]
- ii) “*The Honoured best Citizen of India*” Presented By IIFS and Best Citizen Publishing House, New Delhi. [2009]
- iii) “*International Gold Star Award*” Presented By India International Friendship Society, New Delhi on the occasion of calibration the ‘*Global Friendship Day*’ at Bangkok, Thailand. [13th November, 2009]
- iv) “Best – Director Award of the festival cum contest for the Play – Production of *Antigone*” Presented By ‘Global Harmony – 2008’ [International Theatre festival cum contest], *Akhil Bharatiya Sanskrutik Sangha*, Pune, Maharashtra. [1st June, 2008]
- v) *National “Natya Bibhushana”* Presented By India Theatre Olympiad – 2008’ [International Theatre festival], *Utkal Yuva Sanskrutik Sangha*, Cuttack, Odisha. [17th September, 2008]
- vi) “Pride of India Award” Presented By IIFS, New Delhi at Kathmandu, Nepal. [2010]
- vii) “*Rajiv Gandhi Excellence Award*” Presented By India International Friendship Society, New Delhi. [19th September, 2010]

- viii) “*Life Time Achievement Award*” Presented By India International Friendship Society, New Delhi. [26th August, 2011]
- ix) “*Bharat Vikash Rattan Award*” Presented By International Institute of Success, New Delhi. [26th August, 2011]
- x) “*Natya Katha Sammana*” Presented By ‘Natya Katha Patrika’, Kolkata. [11th December, 2013]

Dr. Biplab Biswas

- i) NET - JRF (2009)
- ii) Rajiv Gandhi National Fellowship awarded to (2008-12)

Mrityunjay Kumar Prabhakar

NET (JRF and SRF) 2006

b) Doctoral / post doctoral fellows:

- i) Manju Elambam- NET Qualified, Graded Artist of Doordarshan. Performing regularly in National and International Circuit. Pursuing PhD.
- ii) Sinam Basu Singh- Graded ‘A’ Artist of Doordarshan. Performing regularly in National and International Circuit. Pursuing PhD. Recently conferred with Ustad Bismillah Khan award in recognition to the young talent by Sangit Natak Academy, New Delhi.
- iii) Khanbam Khoni- Graded ‘A’ Artist of Doordarshan. Performing regularly in National and International Circuit. Pursuing PhD.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Seminars/Workshop

- a) 5th International Conference organized by Dongguk University, Korea and Visva-Bharati on 19th July 2012.
- b) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly with Study Circle, Visva-Bharati organized one day National Seminar cum Performance on “Rabindranath and Baul” at Lipika Auditorium, Santiniketan on 21st May, 2011.
- c) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly organized by Women’s Studies Centre and Sangit-Bhavana, Visva-Bharati organized one day National Seminar cum Performance on “Role of Women in Rabindra-Sangit and Nritya-Natya (1930-61) (Discussion and performance)” at Lipika Auditorium, Santiniketan on 21st March to 23rd March, 2011.

- d) During 07-17th August, 2011 the 28 students and faculty of the Hillwood College, Candy, Sri Lanka visited Visva-Bharati on exchange programme and attached to the Sangit Bhavana. The students of the Hillwood College attended the classes of different teachers of Sangit Bhavana during their stay in Santiniketan and participated in Varshamangal under the guidance of the music and dance teachers of Sangit Bhavana.
- e) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, the Sangit Bhavana, Visva-Bharati is organized a Seminar by the Dept. of Rabindra-Sangit, Dance & Drama on “Influence of Indian Classical Dance Forms on Rabindranath Tagore’s Compositions” at Lipika Auditorium, Santiniketan on 13 – 15 March 2012.
- f) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, Sangit Bhavana, Visva-Bharati organized a Seminar and Performance on “Rabindranath Tagore and Artistic Creativity” at Lipika Auditorium, Santiniketan from 23rd – 25th March, 2012.
- g) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana participated in the International Seminar cum Workshop with presentation on “Rabindranath Tagore and the Bauls” organized jointly by Visva-Bharati and the Baul Archive, USA from 26th -27th March, 2012 at Santiniketan and Sriniketan.
- h) During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit-Bhavana actively participated. During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit Bhavana actively participated.
- i) GURU SHISYA PARAMPARA WORKSHOP Organized by “Acharya Allauddin Khan Music Centre”, Sangit-Bhavana, Visva-Bharati, Santiniketan was held from 18th. December to 20th December, 2012, conducted by Ustad Ashish Khan and Pandit Swapan Chowdhury.
- j) During 02.03.2013 to 31.03.2013 Mr. Weerasena Gunathilaka and Mrs. Nalini Gunathilaka of Srilanka visited Sangit-Bhavana, Visva-Bharati and conducted work-shop on Rabindra-Sangit & Kandy Dance of Sri Lanka.
- k) A three days national Seminar of Hindusthani Classical music Dept., Sangit-Bhavana, Visva-Bharati on “Aesthetics of Indian Classical Music” will be held at Lipika Auditorium, Santiniketan from 21st to 23rd June, 2013.
- l) A three days national Seminar of Rabindra Sangit, Dance & Drama Dept., Sangit-Bhavana, Visva-Bharati on ‘Rabindranath O Samosamoyik Bangla Geetikargan: Dwijendralal, Atulprasad, Rajanikanto, Dilip Kumar and Nazrul’ during 29th August to 31st August, 2013.

- m) A two days national Seminar jointly organized Sangit-Bhavana, Visva-Bharati Santiniketan and Granthan-Bivaga, on 'Rabindra Sangiter Bhuvan' during 11th September to 12th September, 2013.
- n) Participated four days National Seminar organized by Rabindra Bhavana on "Interactions: Rabindranath Tagore and Local/Global Personalities" at Lipika Auditorium on 21st March to 24th March, 2014.
- o) Participated in the Seminar organized by Rabindrasangit Gavesana Kendra on the "occasion of the 90th anniversary of the Encounter between Rabindranath Tagore & Victoria Ocampo" on lecture delivered by respected Upacharya Prof. Susanta Dattagupta along with Tagore-songs at Lipika on 12.04.2014, 2:30 p.m.

31. Code of ethics for research followed by the departments:

As per UGC guidelines.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|---------|
| | | Male | Female | Male | Female |
| B.Mus 2009-2010 | 212 | 17 | 50 | 98 | 99 |
| 2010-2011 | 68 | 12 | 50 | 97 | 98 |
| 2011-2012 | 202 | 20 | 60 | 100 | 99 |
| 2012-2013 | 256 | 15 | 66 | 95 | 99 |
| 2013-2014 | 251 | 26 | 91 | 98 | 99 |
| MMus 2009-2010 | 76 | 12 | 49 | 100 | 100 |
| 2010-2011 | 72 | 12 | 47 | 99.9 | 100 |
| 2011-2012 | 36 | 11 | 46 | 100 | 100 |
| 2012-2013 | 14 | 13 | 38 | 99 | 99.8 |
| 2013-2014 | 25 | 12 | 54 | 100 | 100 |
| MPhil 2013-14 | 80 | 04 | 06 | running | running |
| PhD 2009-2010 | | | | | |
| 2010-2011 | | | | | |
| 2011-2012 | 56 | 08 | 03 | Running | Running |
| 2012-2013 | 29 | 07 | 08 | Running | Running |
| 2013-2014 | 74 | 14 | 19 | Running | Running |
| D.Litt. 2012 | | 1 | 1 | | |
| Certificate Course | | | | | |
| 2009-2010 | 76 | 15 | 30 | 100 | 100 |
| 2010-2011 | 72 | 20 | 52 | 100 | 100 |
| 2011-2012 | 72 | 07 | 25 | 100 | 100 |

| | | | | | |
|-----------|----|----|----|-----|-----|
| 2012-2013 | 56 | 18 | 30 | 100 | 100 |
| 2013-2014 | 43 | 13 | 24 | 100 | 100 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| B. Mus | 20 | 60 | 10 | 10 |
| M. Mus | 70 | 10 | 10 | 10 |
| Two Year Certificate | 50 | 50 | - | - |
| Ph. D. | 50 | 30 | 10 | 10 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

02 students qualified NET.

35. Student progression:

| Student progression | Percentage against enrolled |
|---|--------------------------------------|
| UG to PG | 100% |
| PG to M.Phil. | M. Phil. start from this year (2013) |
| PG to Ph.D. | 10% |
| Ph.D. to Post-Doctoral | 1% |
| Employed • Campus selection • Other than campus recruitment | Other than campus recruitment |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|----|
| of the same university | 13 |
| from other universities within the State | 5 |
| from universities from other States | 15 |
| from universities outside the country | |

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Four faculties awarded Ph. D. One awarded D.Litt
38. **Present details of departmental infrastructural facilities with regard to**
- Library:** Yes
 - Internet facilities for staff and students:** Yes
 - Total number of class rooms:** 11
 - Class rooms with ICT facility:** 01
 - Students' laboratories:** with Audio-visual, CD & Record listening
 - Research laboratories:** with Audio-visual, CD & Record listening
39. **List of doctoral, post-doctoral students and Research Associates:**
- a) **From the host institution/university:**

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|---|---------|---|
| 1. | Mallika Saha (Visva-Bharati University) | W.B. | Registered in 2010, under the Dept. of RSDD |
| 2. | Gourav Chowdhury (Visva-Bharati University) | W.B. | Registered in 2010, under the Dept. of RSDD |
| 3. | Manju Elangbam (Visva-Bharati University) | Manipur | Registered in 2010, under the Dept. of RSDD |
| 4. | Sudeshna Devi (Visva-Bharati University) | Manipur | Registered in 2010, under the Dept. of RSDD |
| 5. | Prasant Kumar Ghosh (Visva-Bharati University) | W.B. | Registered in 2011, under the Dept. of RSDD |
| 6. | Sandip Sen (Visva-Bharati University) | W.B. | Registered in 2011, under the Dept. of RSDD |
| 7. | Rinki Mahato (Visva-Bharati University) | W.B. | Registered in 2011, under the Dept. of RSDD |
| 8. | Chiranjib Pal (Visva-Bharati University) | W.B. | Registered in 2011, under the Dept. of RSDD |

| | | | |
|-----|--|---------|---|
| 9. | Tarasankar Das (Visva-Bharati University) | W.B. | Registered in 2012, under the Dept. of RSDD |
| 10. | Manas Bhul (Visva-Bharati University) | W.B. | Registered in 2012, under the Dept. of RSDD |
| 11. | Sinam Basu Singh (Visva-Bharati University) | Manipur | Registered in 2012, under the Dept. of RSDD |
| 12. | Susmita Roy (Visva-Bharati University) | W.B. | Registered in 2012, under the Dept. of RSDD |
| 13. | Mrs. Sanchita Chakraborty | W.B. | Registered in 2012, under the Dept. of RSDD |
| 14. | Reshmita Nandi (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 15. | Debasree Das (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 16. | Debapratim Chakraborty (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 17. | Sikha Chakraborty (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 18. | Konsam Sujata Devi (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 19. | Swaraj Chatterjee (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 20. | Tamalika Dey (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 21. | Sayanti Chatterjee (Visva-Bharati University) | W.B. | Registered in 2013, under the |

| | | | |
|-----|---|------------|---|
| | | | Dept. of RSDD |
| 22. | Ambika Bhandari (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 23. | Sabyasachi Dutta (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 24. | Shahnaz Rumana (Visva-Bharati University) | Bangladesh | Registered in 2013, under the Dept. of RSDD |
| 25. | Suma Rani Roy | Bangladesh | Registered in 2013, under the Dept. of RSDD |
| 26. | Puja Gupta (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |
| 27. | Rudraprasad Chakraborty (Visva-Bharati University) | W.B. | Registered in 2013, under the Dept. of RSDD |

b) From other institutions/ universities:

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|--|------------|---|
| 1. | Elangbam Rojita Devi (Manipur University) | Manipur | Registered in 2010, under the Dept. of RSDD |
| 2. | Rajkumari Gitanjali Devi (Manipur University) | Manipur | Registered in 2010, under the Dept. of RSDD |
| 3. | Khangebam Khoni (Manipur University) | Manipur | Registered in 2010, under the Dept. of RSDD |
| 4. | Ujjal Mukherjee (Rabindra Bharati University) | W.B. | Registered in 2011, under the Dept. of RSDD |
| 5. | Divyashree Mukherjee (University of Pune) | Maharastra | Registered in 2011, under the Dept. of RSDD |

| | | | |
|-----|---|-----------|---|
| 6. | Ningthoujam Priyolata Devi (Manipur University) | Manipur | Registered in 2011, under the Dept. of RSDD |
| 7. | Lorenbam Tourist Devi | Manipur | Registered in 2011, under the Dept. of RSDD |
| 8. | Laisharom Hemanta Kumari (Manipur University) | Manipur | Registered in 2012, under the Dept. of RSDD |
| 9. | Asanika Ghosh (Burdwan University) | W.B | Registered in 2012, under the Dept. of RSDD |
| 10. | Somdatta Chatterjee (Burwan University) | W.B | Registered in 2012, under the Dept. of RSDD |
| 11. | Don Asith Chanushka Atapattu (Banaras Hindu University) | Sri Lanka | Registered in 2012, under the Dept. of RSDD |
| 12. | Divya Balakrishnan (Sree Shankaracharya University of Sanskrit) | Kerala | Registered in 2012, under the Dept. of RSDD |
| 13. | Thiyam Saterjit Singh (Manipur University) | Manipur | Registered in 2012, under the Dept. of RSDD |
| 14. | Abhijit Majumdar (Burdwan University) | W.B | Registered in 2013, under the Dept. of RSDD |
| 15. | E. Radharani Devi (Manipur University) | Manipur | Registered in 2013, under the Dept. of RSDD |
| 16. | Nimmi K. (Kerala University) | Kerala | Registered in 2013, under the Dept. of RSDD |
| 17. | Sucheendranathan P. K. (Kerala University) | Kerala | Registered in 2013, under the Dept. of RSDD |
| 18. | M.C. Kasturi Arachchi (Srilankan University) | Srilanka | Registered in 2013, under the |

| | | | |
|--|--|--|---------------|
| | | | Dept. of RSDD |
|--|--|--|---------------|

- 40. Number of postgraduate students getting financial assistance from the university:**
25 P.G. students getting financial assistance from the University.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Yes,
Modification and changes suggested by faculty members are first discussed in Departmental meetings. Threadbare discussions are then held in the Board of Studies Meeting in presence of External Members it is then forwarded for consideration by the Members of the Institute Board and finally for ratification at the Academic Council.
- 42. Does the department obtain feedback from**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
Faculty Members meet from time to time in Departmental Meetings as well as Board of Studies where External Members are present. Here Course Curriculum as well as teaching and learning evaluation are considered and/or scrutinized for possible improvement. Pre-Ph.D Seminars are conducted in presence of External Experts where suggestions by members are incorporated by the students. Performance of students in examinations conducted at the state and national level are also discussed.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:**
Students' Representatives are invited in every Institute Board as well as Academic Council meetings which is the highest body responsible for all academic activities of this University.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback:**
Especially during the year long programmes conducted by faculty of Sangit-Bhavana, the former students and the teachers remain present during the rehearsal days and exchange their observations.
- 43. List the distinguished alumni of the department (maximum 10):**
- a) Late Santidev Ghosh, Eminent Assist of Rabindra Sangit
 - b) Late Kanika Bandyopadhyay
 - c) Late Suchitra Mitra
 - d) Late Nilima Sen
 - e) Late Ranadhir Roy, Eminent Assist of Esraj
 - f) Prof. Mohan Singh Khangura
 - g) Prof. Sitansu Roy

- h) Prof. Gora Sarbadhikary
- i) Prof. K. Jitendra Singh, Eminent Daner
- j) Prof. Bulbul Sengupta

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Seminars/Work-shop:

- a) On the occasion of the celebrations of the 150th Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly with Study Circle, Visva-Bharati organized one day National Seminar cum Performance on “Rabindranath and Baul” at Lipika Auditorium, Santiniketan on 21st May, 2011.
- b) During 07-17th August, 2011 the 28 students and faculty of the Hillwood College, Candy, Sri Lanka visited Visva-Bharati on exchange programme and attached to the Sangit Bhavana. The students of the Hillwood College attended the classes of different teachers of Sangit Bhavana during their stay in Santiniketan and participated in Varshamangal under the guidance of the music and dance teachers of Sangit Bhavana.
- c) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, the Sangit Bhavana, Visva-Bharati is organized a Seminar by the Dept. of Rabindra-Sangit, Dance & Drama on “Influence of Indian Classical Dance Forms on Rabindranath Tagore’s Compositions” at Lipika Auditorium, Santiniketan on 13 – 15 March 2012.
- d) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, Sangit Bhavana, Visva-Bharati organized a Seminar and Performance on “Rabindranath Tagore and Artistic Creativity” at Lipika Auditorium, Santiniketan from 23rd – 25th March, 2012.
- e) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana participated in the International Seminar cum Workshop with presentation on “Rabindranath Tagore and the Bauls” organized jointly by Visva-Bharati and the Baul Archive, USA from 26th -27th March, 2012 at Santiniketan and Sriniketan.
- f) During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit-Bhavana actively participated. During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit Bhavana actively participated.
- g) GURU SHISYA PARAMPARA WORKSHOP Organized by “Acharya Allaaddin Khan Music Centre”, Sangit-Bhavana, Visva-Bharati, Santiniketan was held from 18th. December to 20th December, 2012, conducted by Ustad Ashish Khan and Pandit Swapan Chowdhury.

- h) During 02.03.2013 to 31.03.2013 Mr. Weerasena Gunathilaka and Mrs. Nalini Gunathilaka of Srilanka visited Sangit-Bhavana, Visva-Bharati and conducted work-shop on Rabindra-Sangit & Kandy Dance of Sri Lanka.
 - i) A three days national Seminar of Hindusthani Classical music Dept., Sangit-Bhavana, Visva-Bharati on “Aesthetics of Indian Classical Music” will be held at Lipika Auditorium, Santiniketan from 21st to 23rd June, 2013.
 - j) A three days national Seminar of Rabindra Sangit, Dance & Drama Dept., Sangit-Bhavana, Visva-Bharati on ‘Rabindranath O Samosamoyik Bangla Geetikargan: Dwijendralal, Atulprasad, Rajanikanto, Dilip Kumar and Nazrul’ during 29th August to 31st August, 2013.
 - k) A two days national Seminar jointly organized Sangit-Bhavana, Visva-Bharati Santiniketan and Granthan-Vibhaga, on ‘Rabindra Sangiter Bhuvan’ during 11th September to 12th September, 2013.
- 45. List the teaching methods adopted by the faculty for different programmes:**
- a) Practical and Theory
 - b) Power-point presentation, Audio-visual interactive sessions, student teachers interactive sessions, tutorials, lectures, demonstration.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
- Monitored through students’ performance in regular assessment exercises as well as in the examinations and performances.
- 47. Highlight the participation of students and faculty in extension activities:**
- Regarding achievement of Sangit-Bhavana, it is worth to be specially mentioned that, on the occasion of Rabindranath Tagore’s 150th birth anniversary Sangit-Bhavana has organized, conducted and performed numerous cultural programmes, Seminars etc. under the direction of Prof. Indrani Mukhopadhyay, Principal Sangit-Bhavana, here at Santiniketan and other places of India and abroad in the recent past during 2011-2012. Some of them are as follows:-
- Cultural Programmes:**
- a) Directed Rabindranath Tagore’s “**Bhanusingher Padavali**”, “**Chitrangada**” and “**Rituranga**” on 7th, 8th and 9th April, 2011 in the Bahurupi-National Festival in the Rangayana Auditorium, Mysore (Karnataka).
 - b) Directed and Performed in Rabindranath Tagore’s “**Bhanusingher Padavali**”, in May, 2011 at **Kamani Auditorium**, New Delhi, organized by **Sangit Natak Akademi**. New Delhi.

- c) Performed and directed by Rabindranath Tagore's Dance-Drama **"Chitrangada"**, on 2nd August, 2011 at Chandigarh on invitation of Tagore Theatre, Govt. of Chandigarh.
- d) Directed and Performed in Rabindranath Tagore's Dance-Drama **"Mayar Khela"**, on 24th August, 2011 in Kalamandir Auditorium, Kolkata, organized by "Dakshini" a reputed and well-known institute of Rabindra-Sangit.
- e) Directed and Performed in Cultural programme on 31st October, 2011 at the Purana Quila, New Delhi, jointly organized by Delhi International Arts Festival and Indian Council of Cultural Relations.
- f) On the occasion of the visit of **Her Excellency Smt. Pratiba Patil**, the honorable President of India and the Visitor of Visva-Bharati as well, Sangit-Bhavana presented a cultural programme before Her Excellency on 29th November, 2011 at the Uttarayan Complex, Santiniketan.
- g) Directed and Performed in Rabindranath Tagore's Dance-Drama **"Chitrangada"**, on 31st December, 2011 at Dhaka (Bangladesh), organized by "Surer Dhara" a well known cultural forum of Dhaka, Bangladesh.
- h) Directed and performed Basanta Bandana and Rabindranath Tagore's Dance Drama **"Mayarkhela"** on the Occasion of Vasantotsava, Visva-Bharati, organized by Karmi-parishad, Visva-Bharati, Santiniketan on 7-8 March, 2012.
- i) Directed and Performed in Rabindranath Tagore's Dance-Drama **"Shap-Mochan"**, on 23rd September, 2012 at Lipika Auditorium, Santiniketan.
- j) "Satabarshe Song offerings" organized by Rabindra-Bhavana and Sangit-Bhavana at Lipika Auditorium on 7th July 2012.
- k) Directed and Performed in Rabindranath Tagore's Dance-Drama **"Shap-Mochan"**, on 29th September, 2012 at Kandy and 2nd October, 2012 at Colombo in Sri Lanka.
- l) Jointly presented cultural programme Rabindra-Bhavana, Sangit-Bhavana & Karmi Mandali on the occasion of presentation of Replicas of the **Rabir Padma: Chapola Boat**, by Abdul Kalam Azad, Honorable Minister of information and Cultural Affairs, Govt. of Bangladesh 12th September 2012 for Indo-Bangla International relationship.
- m) Participated in the programme of lecture on **"Tagore's Model of Holistic Education"** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance at Bose Institute, Kolkata on 26th November, 2012 on the occasion of 128th Birthday Celebration of Prof. D.M. Bose, jointly organized by CSIR, and Sangit-Bhavana, Visva-Bharati.
- n) On the Occasion of Centenary Celebration of the Award of Nobel Prize to Rabindranath Tagore: **A Curtain-raiser** in presence of His Excellency Shri Pranab Mukherjee **Honorable President of India and Honorable Governor of W. Bengal as Pradhana of Visva-Bharati** Sri M. K. Narayanan Organized by

- Visva-Bharati Santiniketan and Institute of Chinese Studies, Delhi at Udayan, Uttarayan Complex, Visva-Bharati Santiniketan on 19th December 2012.
- o) Directed and Performed in Rabindranath Tagore's Dance-Drama "**Chandalika**", on 14th December 2012 at CMERI, Durgapur.
 - p) Participated in the programme of lecture on "**Tagore's Model of Holistic Education**" delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana organized by EZCC, Kolkata on 6th January, 2013.
 - q) Participated in the International Conference on 'Tagore and his Global Vision: **"Forging Bonds with the World"** Organized by Dept. of History, Visva-Bharati, Santiniketan with ICSSR, ICHR at Central Library, Visva-Bharati on 14-15 January, 2013.
 - r) Participated in the international programme on "**Tagore's Model of Holistic Education**" delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance perform by Sangit-Bhavana at Natya Ghar on 18th February 2013.
 - s) Directed and Performed in Rabindranath Tagore's Dance-Drama "**Shap-Mochan**" on the occasion of Vasantotsava on 27th March 2013.
 - t) Participated in the programme of lecture on "**Tagore's Model of Holistic Education**" Delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance on 2nd April, 2013 organized by Bengal Initiative at ICCR, Kolkata.
 - u) 29.05.2013: Performed and participated in the programme presented by Visva-Bharati on the occasion of Gitanjali Utsava at ICCR organized by Rabindra-Bharati University, Kolkata.
 - v) Participated in the programme of Rabipradakshin on 10th to 17th May 2014 at Lipika Auditorium.
 - w) Directed and Performed Rabindranath Tagore's Dance-Drama "**Shapmochan**" on the occasion of Rabindra Janmotsav on 21th May 2013 at G. D. Birla Sabhaghar, Kolkata, by organized by Visva-Bharati Publishing Department, Kolkata.
 - x) Participated and performed to Shanghai, China to attend the International Conference "from Tagore's Mo Yan: the Universality of the One Hundred Year's Oriental Culture" organized by Tongji University, Sanghai Lecture on "Asian First Nobel Prize and a Few song offerings" on 1st June, 2013.
 - y) Participated and performed to Yunnan University, Kumin, China Lecture delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-

- songs & dance performed by Sangit-Bhavana on **“Asian First Nobel Prize and a Few song offerings”** on 4th June, 2013.
- z) Participated and performed to Lecture delivered by respected Upacharya Prof. Susanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana **“From Biswa Parichay to Higgs Boson”** at Yunnan University, Kumin, China on 6th June, 2013.
 - aa) Participated in the programme of the genesis of Tagore Centre of Natural Science Lecture
 - bb) delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana organized by TCNSP, Kolkata at Bose Institute Kolkata on 19th June, 2013.
 - cc) Participated in the Programme addressing Honorable Governor on occasion of 100 year of Nobel Prize Celebration organized by Visva-Bharati, Santiniketan on 28th June, 2013 at Lipika, Visva-Bharati.
 - dd) Participated in the programme of lecture on **“Asia’s First Nobel and Santiniketan Seasons Through a Few Song Offerings”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana organized by NASI, Allahabad on 25th July, 2013.
 - ee) Participated in the programme of lecture on **“Tagore Model of Holistic Education-from Grassroot to the Higgs Boson”** delivered by respected Upacharya Prof. Sushanta
 - ff) Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana organized by Tagore Public School, Allahabad on 26th July, 2013.
 - gg) Directed and Performed in Tagore’s Dance Drama **“Shapmochan”**, in August, 2013 at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata on 23rd August, 2013.
 - hh) Directed and Performed in the programme of lecture on **“Rabindranather Shiksha, Bijnyan o Paribesh Chinta”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs on 11th September, 2013 organized by Granthan Vibhaga, Kolkata and Sangit-Bhavana, Visva-Bharati, Santiniketan.
 - ii) Directed and Performed in the programme of lecture on **“Asia’s First Nobel...And-A Few ‘Song Offerings’ from Gitanjali”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana organized by C.N.R. RAO Education Foundation, Indian Institute of Science, Jawaharlal Nehru Centre for Advance Scientific Research, Bangalore, Karnataka on 21st September, 2013.

- jj) Directed and Participated in the programme of lecture on **Asia`s First Nobel-and-a few “Song Offerings” from Gitanjali** awarded to Rabindranath Tagore in 1913, delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance organized by Sangit-Bhavana, Telecasted on Doordarshan Kendra, Kolkata on 29th September, 2013.
- kk) On the occasion of the visit of His Excellency Sri Pranab Mukherjee, the honorable President of India and the Visitor of Visva-Bharati as well as programme of lecture on **Asia`s First Nobel-and-a-few “Song Offerings” from Gitanjali** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs and dance organized by Sangit-Bhavana on 11th October, 2013 at Lipika Auditorium, Santiniketan.
- ll) On the occasion of the visit of His Excellency Sri Pranab Mukherjee, the honorable President of India and the Visitor of Visva-Bharati as well as programme of **5th Indian youth Science Congress** organized by MSSRF and Visva-Bharati on 06th December, 2013 at Natyaghar, Santiniketan.
- mm) Directed and Participated in the programme of lecture on **“Tagore`s Model of Holistic Education”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana at IICB, Kolkata on 17th December, 2013.
- nn) Directed and Participated in the programme of lecture on **“Asia`s First Nobel ‘Sons Offerings from ‘Gitanjali’”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana at India International Centre, New Delhi on 22nd January, 2014.
- oo) Directed and Participated in the programme of lecture on **“From Viswa Parichay to God Particle”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana at Indradhanush Auditorium, Rashtrapati Bhawan, New Delhi on 24th January 2014.
- pp) Directed and Participated in the programme of lecture on **“Transition from ‘Gitanjali’ to ‘Song Offerings’”** delivered by respected Upacharya Prof. Sushanta Dattagupta along with Tagore-songs & dance performed by Sangit-Bhavana at Raj Bhawan, Kolkata on 29th January, 2014, on the occasion of the **Centenary of ‘Handing Over’ of the Nobel Prize to Gurudev Rabindranath Tagore on this day in 1914 at Raj Bhavana, Kolkata.**
- qq) Directed and Performed in Tagore`s Dance Drama **“Mayar Khela”**, on 19th February, 2014 at Lady Brabourn College, Kolkata being invited by Prof. Ajanta Chowdhury, Alumini Association, Lady Brabourn College, Kolkata.

- rr) Directed and Performed in Rabindranath Tagore`s Dance Drama **“Shyama”** on 16th March 2014 on the occasion of Vasantotsava at Visva-Bharati, Santiniketan.
- ss) Participated in the Seminar organized by Rabindrasangit Gavesana Kendra on the **“occasion of the 90th anniversary of the Encounter between Rabindranath Tagore & Victoria Ocampo”** on lecture delivered by respected Upacharya Prof. Susanta Dattagupta along with Tagore-songs at Lipika on 12.04.2014, 2:30 p.m.
- tt) Performed Tagore`s drama **“Phalguni”** at Natyaghar, Visva-Bharati organized by Rabindra Sangit Gavesana Kendra, Visva-Bharati on 12.04.2014 at 7 p.m.
- uu) Participated in the Special Convocation and Classical Programme, Sangit-Bhavana on 13.04.2014 at 8 a.m., Natyaghar.
- vv) Foreign students, faculty and staff of Sangit-Bhavana and other Bhavana is going to perform a cultural programme on 23rd April, 2014 on invitation of “Air Time Marketing and Sales India Pvt. Ltd. (Power F.M.) On the occasion of International Rabindra Utsava at Calcutta Club, Kolkata.
- ww) Directed and Performed in Tagore`s Dance Drama **“Mayar Khela”** at Rabindra Sadan, Kolkata on the occasion of the celebrations of the Poet`s Birth Anniversary on 23rd May, 2014.

48. Give details of “beyond syllabus scholarly activities” of the department:

Throughout the year the department invites the distinguished personalities from within the State and across the Country to deliver the lecture and performance on various theme pertaining to different disciplines.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) Department is contributing by including recent research in the curriculum. It has introduced Semester System in both the UG and PG Courses. It is also upgrading syllabus as per UGC guidelines from time to time for generating new knowledge in domains of research. Department also organizes seminars, conferences in new emerging fields and related disciplines in order to introduce and generate new knowledge.
- b) Generating new knowledge in Performing Arts research methodology.
- c) Applying the concept of new choreography for globalized concept of Tagore`s Performing Art.
- d) A vast and important project on Kalanukramik Rabindra-Sangit has been taken by the Dept. of Rabindra Sangit, Dance & Drama Sangit-Bhavana and the work

has already been started from 10.09.2012, under the Chairmanship of Prof. Arun Kumar Basu, and under the coordination of Prof. Indrani Mukhopadhyay, Principal Sangit-Bhavana.

- e) Started project on “Rabindra-Sangit Gabeshana Kendra”, Sangit-Bhavana under the chairmanship of Upacharya, Visva-Bharati and co-ordination of Sri Arun Basu.
- f) Introduced a new Course named “Centre for Esraj” for Indian and Foreign students, aimed to explore the research and popularize the instrument.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Rabindra-Sangit Gabeshana Kendra, Kalanukramik Rabindra-Sangit Prakalpa and Natya Charcha Kendra in collaboration with Rabindra Bhavana
- ii) Performance and production within the University, different places within the states, across the country and abroad generating funds for the University. Please note that most of these productions are the end result of continuous regular research based production.
- iii) A very rich Performing Art library with Digitization of Books
- iv) Introduction of M.Phil Course on Practical
- v) Teacher-student ratio (1:10)

b) Weaknesses:

- i) Need for an Audio-studio
- ii) Need for a digitized archive
- iii) Documentation unit of Sangit-Bhavana
- iv) Online teaching
- v) Adequate space to accommodate the faculties

c) Opportunities:

- i) Addition of other streams of dances like Bharatnatyam and Odissi
- ii) Introducing new curriculum for Rabindranitya specialization both at the UG and PG Level
- iii) Building a repertoire for Rabindrasangit, Dance and Drama productions
- iv) Collaboration of performing arts departments/ schools at the national and international levels through already existing MOUs.
- v) Initiating interdisciplinary performance based research

d) Challenges (SWOC) of the Department:

- i) Preserving Tagore’s vision of education in performing arts
- ii) Devising methodology of teaching Rabindrasangit in the global context.
- iii) Exploring avenues for propagation of Rabindrasangit, Dance and Drama

presentations at national and international level

- iv) Developing improved curriculum suitable to Semester system
- v) Generating funds from national and international organizations through dissemination of Tagore's ideas, concept , ethos and culture by way of presentation.

52. Future plans of the department:

- a) Initiating a new course on Rabindranritya at UG and PG level.
- b) Introduction of M.Mus in Drama.
- c) Introduction of Dance forms like Bharatnatyam and Odissi at par with existing Manipuri and Kathakali at UG and PG level.
- d) Installing a smart class room
- e) Imparting lessons nationally and internationally through Skype.
- f) To initiate certificate courses in Rabindra Sangit, Dance and Drama through Granthan Vibhaga at Kolkata and try to find possibilities to set up centres at other states, national and international areas.
- g) Strengthening the Research Centers through MHRD, Ministry of Culture and UGC grants.

Evaluative Report of the Department of Hindusthani Classical Music

1. **Name of the Department :** Hindusthani Classical Music, Sangit-Bhavana (Institute of Music, Dance and Drama), Visva-Bharati, Santiniketan
2. **Year of establishment :** 1933
3. **Is the Department part of a School/Faculty of the university?** Yes, Visva-Bharati.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** B.Mus, M.Mus, M.Phil, Ph.D, D.Litt., One Year Foreign Casual Course, Two Year Certificate Course.
5. **Interdisciplinary programmes and departments involved:** The faculty and students regularly perform programmes with the different departments of the Bhavanas at the University level. The Sangit Bhavana constantly is keeping in touch with Rabindra Bhavana towards organizing seminars, conferences, programmes within and outside Visva-Bharati as well as undertaking collaborative research programmes. Students also offer courses like Tagore Studies, Environmental Studies with the other departments of Visva-Bharati at the UG level. At the PG level subject acoustics is being offered by the Physics department.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** The department of Hindusthani Classical Music, Sangit Bhavana has already developed collaborative programmes/courses with other Universities, Institutes such as Rabindra Bharati University, Bengal Music College, Calcutta University, Delhi University, Beneras Hindu University, etc.,
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Annual/Semester system/Choice Based Credit System.
9. **Participation of the department in the courses offered by other departments:**
 - a) Environmental Studies, Tagore Studies at UG level.
 - b) Acoustics at PG level.
 - c) Students of Sangit Bhavana also participate in Certificate Courses offered by

Bhasha Bhavana on Indian and European Languages like Sanskrit, Marathi, Tamil, Assamese as well as foreign languages like French, German, Russian and Italian. The faculty also offers classes on Sitar and Esraj to the school students of Patha-Bhavana.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|---------------------|------------|--------|------------------------------|
| Professor | 2 | 1 | 1(Substantive)+8(CAS)=9 |
| Associate Professor | 5 | 5 | 5(Substantive)+2(CAS)=8 |
| Asst. Professor | 21 | 21 | 21 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Prof. Mohan Singh Khangura
 Qualification : B. Mus. B High Grade From AIR
 Designation : Professor
 Specialization : Khayal & Thumri
 No. of Years of Experience : 36
 No. of Ph.D./M.Phil. students Guided for the last 4 years : 06
- b) Name : Prof. Kaberi Kar
 Qualification : M.A. Ph.D.
 Designation : Professor
 Specialization : Dhrupad
 No. of Years of Experience : 28
 No. of Ph.D./M.Phil. students Guided for the last 4 years : 04
- c) Name : Prof. Basavi Mukherji
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Khayal & Thumri
 No. of Years of Experience :
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- d) **Name** : Prof. Dilip Kumar Karmakar
Qualification : M.A. Ph.D
Designation : Professor
Specialization : Classical Vocal
No. of Years of Experience : 21
No. of Ph.D./M. Phil. students
Guided for the last 4 years : 01
- e) **Name** : Prof. Nikhelesh Chowdhury
Qualification : M. Mus., Ph.D
Designation : Associate Professor
Specialization : Sitar Musicology
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students
guided for the last 4 years : 04
- f) **Name** : Sri Monojit Mallick
Qualification : M.A., Top Grade in Khayal and B-high in Tumri
Designation : Assistant Professor
Specialization : Classical Vocal (Kheyal)
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- g) **Name** : Dr. Mousumi Roy
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Kheyal
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students
guided for the last 4 years : 01
- h) **Name** : Sri Samir Dutta
Qualification : Traditional Artist.
Designation : Assistant Professor
Specialization : Classical Vocal
No. of Years of Experience : 05
No. of Ph.D./M. Phil. students
guided for the last 4 years : Nil

- i) **Name** : Smt. Chaya Rani Mandal
Qualification : M.A. in Philosophy, Oriya & Music (H.C.V.)
Designation : Assistant Professor
Specialization : Classical Vocal
No. of Years of Experience : 07
No. of Ph.D./M. Phil. students guided for the last 4 years : Nil
- j) **Name** : Smt. Eshita Chakraborty
Qualification : B.Sc., M.A. Music, M. Phil. NET
Designation : Assistant Professor
Specialization : Classical Vocal
No. of Years of Experience :
No. of Ph.D./M. Phil. students guided for the last 4 years : Nil
- k) **Name** : Sri Ranajit Das
Qualification : M. Mus., NET
Designation : Assistant Professor
Specialization : Classical Vocal
No. of Years of Experience : 05
No. of Ph.D./M. Phil. students
- L) **Name** : Dr. Ranjani Ramchandran
Qualification : M. A. Ph. D.
Designation : Assistant Professor
Specialization : Classical Vocal
No. of Years of Experience : Joined on Nov. 2013
No. of Ph.D./M. Phil. students
- m) **Name** : Prof. Sabyasachi Sarkhel
Qualification : M.A., Ph. D
Designation : Professor
Specialization : Sitar
No. of Years of Experience : 20
No. of Ph.D./M. Phil. students guided for the last 4 years : 08
- n) **Name** : Sri Manoj Kumar Sharma
Qualification : M. Mus. NET, JRF
Designation : Assistant Professor

- Specialization** : Sitar
No. of Years of Experience : Joined on August 2013
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- o) **Name** : Prof. Sunil Kabiraj
Qualification : B.Com., LLB (Pre)
Designation : Professor
Specialization : Esraj
No. of Years of Experience : 36
No. of Ph.D./M.Phil. students guided for the last 4 years : M. Phil-02 and Ph. D.-01
- p) **Name** : Prof. Buddhadev Das
Qualification : M. Mus.
Designation : Professor
Specialization : Esraj
No. of Years of Experience : 26
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- q) **Name** : Sri Animesh Chandra
Qualification : Traditional Artist
Designation : Assistant Professor
Specialization : Esraj
No. of Years of Experience : 25
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- r) **Name** : Sri Alok Banerjee
Qualification : M. Mus.
Designation : Assistant Professor
Specialization : Esraj
No. of Years of Experience : 01
No. of Ph.D./M. Phil. students guided for the last 4 years : Nil
- s) **Name** : Sri Tapas Chatterjee
Qualification : M. Mus.
Designation : Assistant Professor
Specialization : Esraj
No. of Years of Experience : 08

- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- t) **Name** : Sri Shubhayu Sen Majumdar
Qualification : M. Mus.B High Grade from AIR
Designation : Assistant Professor
Specialization : Esraj
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- u) **Name** : Sri Abir Singh Khangura
Qualification : Traditional artist
Designation : Assistant Professor
Specialization : Esraj
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- v) **Name** : Prof. Swapan Kumar Ghosh
Qualification : Traditional Performer, Sangit Ratnakar 'A' Grade Artist (Sitar) of All India Radio, Kolkata.
Designation : Professor
Specialization : Tabla/Pakhawaj
No. of Years of Experience : 35
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- w) **Name** : Sri Sandip Ghosh
Qualification : B.Com., Sangeet Prabhakar, Sangit Bhaskar
Designation : Assistant Professor
Specialization : Tabla and Pakhawaj
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- x) **Name** : Sri Tapan Kr. Roy
Qualification : Sangit Pravakar & Ratnakar
Designation : Assistant Professor
Specialization : Tabla

- No. of Years of Experience** : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- y) Name** : Sri Nikhil Ranjan Roy
Qualification : Sangit Prabhakar & Visarad, Guru-kul Training
Designation : Assistant Professor
Specialization : Tabla
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- z) Name** : Dr. Amit Kumar Varma
Qualification : M. Mus., NET, Ph.D., Vadya Nipun in Tabla
Designation : Assistant Professor
Specialization : Tabla
No. of Years of Experience : 05
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- aa) Name** : Sri Sitaram Das
Qualification : B.Sc, Grade B-High of AIR
Designation : Assistant Professor
Specialization : Tabla
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- bb) Name** : Sri Biswajit Saw
Qualification : M.A.
Designation : Accompanist, Traditional Artist
Specialization : Tabla
No. of Years of Experience : 02
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- cc) Name** : Sri Joydev Golder
Qualification : M.A. in Bengali and Sangit Bhaskar
Designation : Accompanist
Specialization : Tabla

- No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- dd) Name : Sri Kamalesh Roy
 Qualification : B. A. & M. Mus.
 Designation : Accompanist
 Specialization : Tabla
 No. of Years of Experience : 01
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- ee) Name : Sri Shakti Prasad Chakraborty
 Qualification : M. Mus.
 Designation : Accompanist
 Specialization : Tabla
 No. of Years of Experience : Joined on January 2014
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- ff) Name : Sri Chanchal Nandi
 Qualification : M. Mus.
 Designation : Accompanist
 Specialization : Tabla
 No. of Years of Experience : Joined on January 2014
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- gg) Name : Sri Apoorba Lal Manna
 Qualification : “B” High Artist in AIR Kolkata.
 Designation : Accompanist
 Specialization : Pakhawaj
 No. of Years of Experience : Joined on January 2014
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof. Satyabhan Sarma (Hindusthani Classical Music), 2011.- Visiting Professor
 b) Pt. Buddhadev Dasgupta (Hindusthani Classical Music), 2012-2013- Visiting Professor

- c) Pt. Swapan Choudhury (Table) 2012-2013, Visiting Professor of centre for Alauddin Khan
- d) Ustad Ashish Khan (Sarod) 2012-13, Visiting Professor of Centre for Alauddin Khan
- e) Pt. Ajoy Chakraborty (Hindusthani Classical Music), 2012-13, visiting fellow

13. Percentage of classes taken by temporary faculty — programme-wise:

Nil

14. Programme-wise Student Teacher Ratio :

UG 1:10, PG 1:10.

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------|------------|---|--------|
| Technical | 02 | 01+01 Vacant Since 1 st January 2014 | 01 |
| Administrative | 02 | 01 | 01 |

16. Research thrust areas as recognized by major funding agencies:

The University is providing adequate fund for the research based activities at the newly founded Centre for Esraj.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

The faculty of Hindusthani Classical Music has actively engaged themselves in the ongoing research projects (refer to Item no. 16).

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

The Sangit Bhavana has already taken up some collaborative measures with Rabindra Bharati University, Bengal Music College, Kolkata, Sangit Research Academy Gandharva University of Music, Khairaghar University, Benaras Hindu University, etc., through exchange programmes and some project work in tune with Tagore's cultural ethics and ethos of Visva-Bharati. Sangit Bhavana is taking initiative to collect funds for these endeavour.

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: None at the moment.

20. Research facility / centre with : Nil**a) state recognition :****b) national recognition:****c) international recognition:**

* Referring to Item 16 the Research Centers are recognized at the State and National level.

* The Sangit Bhavana has been allotted partial financial assistance for the promotion of research from the grant received on the occasion of the celebrations of the 150th Birth Anniversary of Rabindranath Tagore.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Sangit Bhavana is preparing one Archive to keep records collected from the alumnus of the Sangit Bhavana which would serve as major research assistance to the students from within and outside.

22. Publications:**a) No. of papers published in peer reviewed journals:****National/International:****Kaberi Kar**

“Aesthetical Approach to musical forms: An analytical view” published in Vageeshwari Journal (ISSN: 0975-7872) published by Faculty of Performing Arts and Music in the year 2011-2012.

Dr. Mousumi Roy

| Sl. No. | Title of the paper | Name of the book/Journal | Publisher | Date of Publication |
|---------|--|---|-------------------------------|--------------------------------|
| 1. | Santiniketaner Sangit: Prasanga Trital | Tritaler Tale ISBN: 13:978-81923615-1-2 | Jogoprova Prakashani, Kolkata | 23 rd December 2012 |
| 2. | Bhairavir Sure Ek Manavik Samparka, Ek Manav Chetana | Ra Patrika | Jogoprova Prakashani, Kolkata | Juy-September 2013 |
| 3. | Rag-Ragininir Ghum Bhangano Dwijendralaler Gan | Atmabikash Literary Periodical Magazine ISSN: 2278-6171 | Atmabikash, Kolkata | December 12-February 13 |

| | | | | |
|---|--|--|------|--|
| 4 | An outlook on modern technological application over the age old music education system | National Seminar, Kanpur | 2012 | An outlook on modern technological application over the age old music education system |
| 5 | Bangalir Pran, Agamoni Gan | Journal” Agdum Bagdum Sangit Bhavana Visva-Bharati | 2012 | Bangalir Pran, Agamoni Gan |

Dr. Amit Kumar Verma

Book Publication –

- i) “*Antarman ka Sangeet*” in the year 2012.
- ii) Kanishka Publishers, New Delhi (ISBN: 978-81-8457-347-3)
- iii) “*Tabla.Com: Essentials of Tabla Playing*” in the year 2010.
- iv) Pilgrims Publishing, New Delhi (ISBN: 978-81-7769-891-6)

Chapters in Edited Books –

- i) “*Contribution of Prof. Sudhir Kumar Verma and Acharya Girish Chandra Srivastav in field of Music*” in the book ‘*Bhartiya Sangeetagya*’ in the year 2011.
- ii) “*Uttar Pradesh Me Sangeet Ki Sansthaगत Shiksha Ka Vikas : Ek Vishleshan*” in the book ‘*Bhartiya Sangeet Ke Naye Aayam*’ in the year 2009.

Published Research Papers in Journals

- i) “*Tabla Vadan me Ganit ke Madhyam se Soundarya Sristi*” in *Sangeet Galaxy E-Journal* in the year July 2013.(ISSN: 2319-9695)
- ii) “*Devdasi Pratha: Kal Aaj Aur Kal*” in *Sangeet Galaxy E- Journal* in the year October 2012 (ISSN: 2319-9695)
- iii) “*Vartman Me Tabla Vishay Ki Sansthaगत Shiksha : Dasha Evam Disha*” in *Sangeet journal* in the year March 2011. (ISSN 0970-7824)
- iv) “*Sangeet Aur Paryatan*” in *Stom journal* in the year 2011.(ISSN 2231-1041)
- v) “*Tabla Vishay Ke Addhyan me Shastriya evam Vaigyanik Vivechan Ki Avashyakta*” in the journal *Sangeet Kala Vihar* in the year February 2012.

- vi) “*Vartman Me Tabla Vishay Ki Sansthaagat Shiksha : Dasha Evam Disha*” in *Sangeet* journal in the year March 2011. (ISSN: 0970-7824)
- vii) “*Sangeet Aur Media*” in *Sangeet Kala Vihar* journal in the year August 2009.
- viii) “*Tabale Ki Pathya Pustako ka Prakashan : Ek Vishleshan*” in *Stom* journal in 2009. (ISSN 2231-1041)
- ix) “*Bharat Ke Antar-rastriy Sangitik Sambandh*” in *Sangeet* journal in the year June 2009. (ISSN: 0970-7824)

Sri Manoj Kumar Sharma

Research Paper/ Article Publication –

- i) “*Uttar Pradesh ke Lok Sangeet me Prayukt Hone Wale Lok Vadya*” in *Sodh Drishti* (Journal of all research) in Jan.-March. 2012 (Vol. 3, No. 2) ISSN: 09766650
- ii) “*Banaras Gharane ke Vikas me Ananya Gharano ka Yogdan*” in *Sodh Drishti* (Journal of all research) in Jan.-March. 2013 (Vol. 4, No. 2) ISSN: 09766650
- iii) “*Pracheen Sangeet Grantho me Veena ka Ullekh*” in *Anukriti* (An International Multidisciplinary Journal research) Jan.-March 2013. ISSN: 2250-1193
- iv) “*Sangeet Evam Samaj ka Antah Sambandh*” in *Kalptaru* (July-Dec. 2012) ISSN: 2249-6114
- v) “*Sangeet Chikitsa me Tantra Vadya ki Upyogita*” in *Sambhavya (International Journal)* July-Dec. 2012 ISSN: 09769358

Dr. Ranjani Ramachandran

Release of two commercial CDs –

- i) *Rising Stars* by Sonic Octaves Ltd., Mumbai 2009
- ii) *Sandhiprakash* by Sonic Octaves Ltd., Mumbai 2009

Smt. Eshita Chakraborty

Book Publication –

Importance of Riaz in Indian Classical Music (ISBN 978-81-8206- 037-1)

Dr. Mousumi Roy

| Sl. | Title of the paper | Name of the book/Journal | Publisher | Date of Publication |
|-----|--|--|-------------------------------|--|
| 1. | Santiniketaner Sangit: Prasanga Trital | Tritaler Tale ISBN: 13:978-81923615-1-2 | Jogoprova Prakashani, Kolkata | 23 rd December 2012 |
| 2. | Bhairavir Sure Ek Manavik Samparka, Ek Manav Chetana | Ra Patrika | Jogoprova Prakashani, Kolkata | Juy-September 2013 |
| 3. | Rag-Ragininir Ghum Bhangano Dwijendralaler Gan | Atmabikash Literary Periodical Magazine ISSN: 2278-6171 | Atmabikash, Kolkata | December 12-February 13 |
| 4 | An outlook on modern technological application over the age old music education system | National Seminar, Kanpur | 2012 | An outlook on modern technological application over the age old music education system |
| 5 | Bangalir Pran, Agamoni Gan | Journal” Agdum Bagdum Sangit Bhavana Visva-Bharati | 2012 | Bangalir Pran, Agamoni Gan |

Sri Sandip Kumar Ghosh

- i) Application of Taal in Rabindra Sangit (Published in Bivakar Patrika, by Bangiya Sangit Parishad—July 2011)
- ii) Influence of Folk in the Indian classical Music (published in the **book** ‘Loko-sanskriti Annya darpan by **Bangiya Sahitya Sansad** –August-2011,- **ISBN-978-81-89827-81-6**).
- iii) Creativity of Rabindranath : Application of Taal in Rabindra Sangit (**e-journal** Folklore and folkloristic, editor Dr. Maqbul Islam-Dec,2011).
- iv) Contribution of Pt. Gnyan Prakash Ghosh in propagation and expansion of Tabla at Kolkata as well as in Bengal (Published in Sangit Bivakar by Bangiya Sangit-Parishad, January 2012).

- v) Contribution of Musalmans in North Indian Classical Music.(published in The **book—Musalman Samaj**-Aitijjher Pratibimba by Udaar Aakas- **ISBN-978-93-82042-19-8,2012**).
- vi) Development of Indian Taal System in the light of Tagore’s perspective – an analysis. (Published in the **book—‘ New dimension of Indian Music ‘** published by **Kanishka** publisher,Delhi,2012,**ISBN-978-81-8457-532-3**.

Prof. Swapan Kumar Ghosh

| Sl. No. | Title of Article with page numbers | Book Title/Editor/ Published/ ISBN | Date of Publication |
|---------|--|--|------------------------|
| 1. | Origin and evolution of Pakhawaj (Page – 170 to 177) | New Dimensions of Indian Music. Editor – Triptiwatwe Publisher – Kanishka Publishers, New Delhi-2 ISBN-978-81-8457-532-3 | First Published - 2013 |

23. Details of patents and income generated: NA

24. Areas of consultancy and income generated: No formal consultancy is existing but funds are generated through performances.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Kaberi Kar

- a) Sangskrit Kendra (Center for education creative and performing arts) Bangladesh in the year 2001.
- b) Rabindra Bharati University in the year 2010.
- c) Bengal Music College in the year 2009.
- d) Benaras Hindu University n the year 2010.

Prof. Sabyasachi Sarkhel

- i) Guided workshop and delivered lecture and demonstration on Sitar at M.G.I., Mauritius on 3rd -16th June’2012 in the participate U.G.C. seminar at Agartala (Belonia College) as chair person in one session and presented a paper in other session on 2013.
- ii) Participated in the International seminar at Rabindra Bharati University, Kolkata as a chairperson in one session on 2013.

26. **Faculty serving in**
 a) **National committees:**
 b) **International committees:**
 c) **Editorial Boards:**
 d) **Any other (please specify):**
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
 a) Participated in International Seminar on "Aesthetical Approach to musical forms: An Analytical View" organized by Faculty of Music and Fine Arts, Delhi University in the year 2011. Outstanding participants.
 b) Organized seminar collaboration with Study Center, Visva-Bharati on Ustad Bahauddin Khan Dagar in the year 2009.
 c) Organized a workshop under the banner of Ustad Allaauddin Khan Study Center in the year 2011.
 d) Organized a National Seminar on "Aesthetic Forms of Indian Classical Music" in the year 2013.
28. **Student projects:**
 a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
 b) **percentage of students doing projects in collaboration with other universities / industry / institute:** 30%
29. **Awards / recognitions received at the national and international level by**
 a) **Faculty:**
Prof. Mohan Singh Khangura
 Sangit Natak Academy Award
Prof. Sabyasachi Sarkhel
 'A' grade artiste in Sitar by All India Radio, Delhi in the year 2014
Prof. Swapan Kumar Ghosh
 i) Awarded Gandharva Puroskar, by Antara Sangit Vidyala. Kolkata & Burdwan on December 2011.
 ii) Honored by Sucharu Sangit Parishad. Saithia, Birbhum (W.B.), on February 2011.
 iii) Awarded as 'A' Grade Artist in Sitar, by the Audition Board of All India Radio, Delhi, on 10th September 2013.
Sri Manojit Mallick
 Awarded * Top Grade* in Kheyal by The Director General of All India Radio, New Delhi in the year 2012.

- b) **Doctoral / post doctoral fellows:** None
- c) **Students:** None

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Seminars / Work-shops

- a) 5th International Conference organized by Dongguk University, Korea and Visva-Bharati on 19th July 2012.
- b) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly with Study Circle, Visva-Bharati organized one day National Seminar cum Performance on “Rabindranath and Baul” at Lipika Auditorium, Santiniketan on 21st May, 2011.
- c) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly organized by Women`s Studies Centre and Sangit-Bhavana, Visva-Bharati organized one day National Seminar cum Performance on “Role of Women in Rabindra-Sangit and Nritya-Natya (1930-61) (Discussion and performance)” at Lipika Auditorium, Santiniketan on 21st March to 23rd March, 2011.
- d) During 07-17th August, 2011 the 28 students and faculty of the Hillwood College, Candy, Sri Lanka visited Visva-Bharati on exchange programme and attached to the Sangit Bhavana. The students of the Hillwood College attended the classes of different teachers of Sangit Bhavana during their stay in Santiniketan and participated in Varshamangal under the guidance of the music and dance teachers of Sangit Bhavana.
- e) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, the Sangit Bhavana, Visva-Bharati is organized a Seminar by the Dept. of Rabindra-Sangit, Dance & Drama on “Influence of Indian Classical Dance Forms on Rabindranath Tagore’s Compositions” at Lipika Auditorium, Santiniketan on 13 – 15 March 2012.
- f) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, Sangit Bhavana, Visva-Bharati organized a Seminar and Performance on “Rabindranath Tagore and Artistic Creativity” at Lipika Auditorium, Santiniketan from 23rd – 25th March, 2012.
- g) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana participated in the International Seminar cum Workshop with presentation on “Rabindranath Tagore and the Bauls” organized jointly by Visva-Bharati and the Baul Archive, USA from 26th -27th March, 2012 at Santiniketan and Sriniketan.

- h) During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit-Bhavana actively participated. During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit Bhavana actively participated.
- i) GURU SHISYA PARAMPARA WORKSHOP Organized by “Acharya Allauddin Khan Music Centre”, Sangit-Bhavana, Visva-Bharati, Santiniketan was held from 18th. December to 20th December, 2012, conducted by Ustad Ashish Khan and Pandit Swapan Chowdhury.
- j) During 02.03.2013 to 31.03.2013 Mr. Weerasena Gunathilaka and Mrs. Nalini Gunathilaka of Srilanka visited Sangit-Bhavana, Visva-Bharati and conducted work-shop on Rabindra-Sangit & Kandy Dance of Sri Lanka.
- k) A three days national Seminar of Hindusthani Classical music Dept., Sangit-Bhavana, Visva-Bharati on “Aesthetics of Indian Classical Music” will be held at Lipika Auditorium, Santiniketan from 21st to 23rd June, 2013.
- l) A three days national Seminar of Rabindra Sangit, Dance & Drama Dept., Sangit-Bhavana, Visva-Bharati on ‘Rabindranath O Samosamoyik Bangla Geetikargan: Dwijendralal, Atulprasad, Rajanikanto, Dilip Kumar and Nazrul’ during 29th August to 31st August, 2013.
- m) A two days national Seminar jointly organized Sangit-Bhavana, Visva-Bharati Santiniketan and Granthan-Bivaga, on ‘Rabindra Sangiter Bhuvan’ during 11th September to 12th September, 2013.

31. Code of ethics for research followed by the departments:

As per UGC guidelines.

32. Student profile programme-wise: (Sangit Bhavan)

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | | |
|--|-----------------------|----------|--------|-----------------|---------|---------|
| | | Male | Female | Male | Female | |
| B.Mus | 2009-2010 | 212 | 17 | 50 | 98 | 99 |
| | 2010-2011 | 68 | 12 | 50 | 97 | 98 |
| | 2011-2012 | 202 | 20 | 60 | 100 | 99 |
| | 2012-2013 | 256 | 15 | 66 | 95 | 99 |
| | 2013-2014 | 251 | 26 | 91 | 98 | 99 |
| MMus | 2009-2010 | 76 | 12 | 49 | 100 | 100 |
| | 2010-2011 | 72 | 12 | 47 | 99.9 | 100 |
| | 2011-2012 | 36 | 11 | 46 | 100 | 100 |
| | 2012-2013 | 14 | 13 | 38 | 99 | 99.8 |
| | 2013-2014 | 25 | 12 | 54 | 100 | 100 |
| MPhil | 2013-14 | 80 | 04 | 06 | running | running |

| | | | | | | |
|--------------------|-----------|----|----|----|---------|---------|
| Ph.D | 2009-2010 | | | | | |
| | 2010-2011 | | | | | |
| | 2011-2012 | 56 | 08 | 03 | Running | Running |
| | 2012-2013 | 29 | 07 | 08 | Running | Running |
| | 2013-2014 | 74 | 14 | 19 | Running | Running |
| DLitt | 2012 | | 1 | 1 | | |
| Certificate Course | | | | | | |
| | 2009-2010 | 76 | 15 | 30 | 100 | 100 |
| | 2010-2011 | 72 | 20 | 52 | 100 | 100 |
| | 2011-2012 | 72 | 07 | 25 | 100 | 100 |
| | 2012-2013 | 56 | 18 | 30 | 100 | 100 |
| | 2013-2014 | 43 | 13 | 24 | 100 | 100 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| B. Mus | 20 | 60 | 10 | 10 |
| M. Mus | 70 | 10 | 10 | 10 |
| Ph. D. | 50 | 30 | 10 | 10 |
| Two Year Certificate Course | 50 | 50 | - | - |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

02 students qualified NET.

35. Student progression:

| Student progression | Percentage against enrolled |
|------------------------|--------------------------------------|
| UG to PG | 100% |
| PG to M.Phil. | M. Phil. start from this year (2013) |
| PG to Ph.D. | 10% |
| Ph.D. to Post-Doctoral | 1% |

| | |
|---------------------------------|-------------------------------|
| Employed | Other than campus recruitment |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|----|
| of the same university | 13 |
| from other universities within the State | 16 |
| from universities from other States | 04 |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Three faculties awarded Ph. D.**38. Present details of departmental infrastructural facilities with regard to**

- a) Library: Yes
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms: 02
- d) Class rooms with ICT facility: 01
- e) Students' laboratories: with Audio-visual, CD & Record listening
- f) Research laboratories: with Audio-visual, CD & Record listening

39. List of doctoral, post-doctoral students and Research Associates:**a) from the host institution/university:**

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|---------------------------|-------|--|
| 1. | Bismadev Chattopadhyay | W.B | Registered in 2011 |
| 2. | Bhaswati Sharma | | Registered in 2011 |
| 3. | Goutam Saha | | Registered in 2011 under the Dept. of HCM |
| 4. | Alok Banerjee | W.B. | Registered in 2012, under the Dept. of HCM |
| 5. | Shubhayu Sen Majumdar | W.B. | Registered in 2012, under the Dept. of HCM |
| 6. | Ashok Barman | W.B | Registered in 2013, under the Dept. of HCM |
| 7. | Chayarani Mondal | W.B | Registered in 2013, under |

| | | | |
|-----|-----------------|------|--|
| | | | the Dept. of HCM |
| 8. | Souma Dey | W.B. | Registered in 2013, under the Dept. of HCM |
| 9. | Amunpou Gangmei | W.B. | Registered in 2013, under the Dept. of HCM |
| 10. | Monali Bairagi | W.B. | Registered in 2013, under the Dept. of HCM |

b) from other institutions/ universities :

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|--|-------|--|
| 1. | Samarpita Chatterjee (Rabindra Bharati University) | W.B. | Registered in 2012, under the Dept. of HCM |
| 2. | Biswarupa Dutta | W.B. | Registered in 2012, under the Dept. of HCM |
| 3. | Sangita Biswas (Burwan University) | W.B. | Registered in 2012, under the Dept. of HCM |
| 4. | Soma Mitra (Burdwan University) | W.B. | Registered in 2012, under the Dept. of HCM |
| 5. | Saswati Pradhan (North Bengal University) | W.B. | Registered in 2013, under the Dept. of HCM |
| 6. | Supriya Chakraborty (Burdwan University) | W.B. | Registered in 2013, under the Dept. of HCM |
| 7. | Sourav Roy | W.B. | Registered in 2013, under the Dept. of HCM |
| 8. | Amrita Majumdar | W.B. | Registered in 2013, under the Dept. of HCM |
| 9. | Eishita Chakraborty (Rabindra Bharati University) | W.B. | Registered in 2013, under the Dept. of HCM |
| 10. | Anamika Misra (Burdwan University) | W.B. | Registered in 2013, under the Dept. of HCM |

40. Number of post graduate students getting financial assistance from the university:

35 P.G. students getting financial assistance from the University.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes,

Modification and changes suggested by faculty members are first discussed in Departmental meetings. Threadbare discussions are then held in the Board of Studies

Meeting in presence of External Members it is then forwarded for consideration by the Members of the Institute Board and finally for ratification at the Academic Council.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Faculty Members meet from time to time in Departmental Meetings as well as Board of Studies where External Members were present. Here Course Curriculum as well as teaching and learning evaluation are considered and/or scrutinized for possible improvement. Pre-Ph.D Seminars are conducted in presence of External Expert Member where suggestions made by members are incorporated by the students. Performance of students in examinations conducted at the state and national level are also discussed.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:

Students' Representatives are invited in every Institute Board as well as Academic Council meetings which is the highest body responsible for all academic activities of this University.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

Especially during the year long programmes conducted by faculty of Sangit-Bhavana, the former students and the teachers used to remain present during the rehearsal days and exchange their observations.

43. List the distinguished alumni of the department (maximum 10):

- a) Late Ranadhir Roy
- b) Late Prof. Indranil Bhattacharjee
- c) Late Prof. Suresh Misra
- d) Late Prof. Dhruvatar Joshi
- e) Late Prof. Nimai Chand Boral
- f) Late V.V. Wazalwar
- g) Late Sudish Bandyopadhyay
- h) Late Sushil Bhanja

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Seminars/Work-shop:

- a) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana jointly with Study Circle, Visva-Bharati

- organized one day National Seminar cum Performance on “Rabindranath and Baul” at Lipika Auditorium, Santiniketan on 21st May, 2011.
- b) During 07-17th August, 2011 the 28 students and faculty of the Hillwood College, Candy, Sri Lanka visited Visva-Bharati on exchange programme and attached to the Sangit Bhavana. The students of the Hillwood College attended the classes of different teachers of Sangit Bhavana during their stay in Santiniketan and participated in Varshamangal under the guidance of the music and dance teachers of Sangit Bhavana.
 - c) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, the Sangit Bhavana, Visva-Bharati is organized a Seminar by the Dept. of Rabindra-Sangit, Dance & Drama on “Influence of Indian Classical Dance Forms on Rabindranath Tagore’s Compositions” at Lipika Auditorium, Santiniketan on 13 – 15 March 2012.
 - d) On the occasion of the celebration of the 150th Birth Anniversary of Gurudev Rabindranath Tagore, Sangit Bhavana, Visva-Bharati organized a Seminar and Performance on “Rabindranath Tagore and Artistic Creativity” at Lipika Auditorium, Santiniketan from 23rd – 25th March, 2012.
 - e) On the occasion of the celebrations of the 150 Birth Anniversary of Gurudeva Rabindranath Tagore, Sangit Bhavana participated in the International Seminar cum Workshop with presentation on “Rabindranath Tagore and the Bauls” organized jointly by Visva-Bharati and the Baul Archive, USA from 26th -27th March, 2012 at Santiniketan and Sriniketan.
 - f) During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit-Bhavana actively participated. During 2011-2012, in almost all programmes of the Study Circle, Visva-Bharati, the students and teachers of Sangit Bhavana actively participated.
 - g) GURU SHISYA PARAMPARA WORKSHOP Organized by “Acharya Allaaddin Khan Music Centre”, Sangit-Bhavana, Visva-Bharati, Santiniketan was held from 18th. December to 20th December, 2012, conducted by Ustad Ashish Khan and Pandit Swapan Chowdhury.
 - h) During 02.03.2013 to 31.03.20013 Mr. Weerasena Gunathilaka and Mrs. Nalini Gunathilaka of Srilanka visited Sangit-Bhavana, Visva-Bharati and conducted work-shop on Rabindra-Sangit & Kandy Dance of Sri Lanka.
 - i) A three days national Seminar of Hindusthani Classical music Dept., Sangit-Bhavana, Visva-Bharati on “Aesthetics of Indian Classical Music” will be held at Lipika Auditorium, Santiniketan from 21st to 23rd June, 2013.
 - j) A three days national Seminar of Rabindra Sangit, Dance & Drama Dept., Sangit-Bhavana, Visva-Bharati on ‘Rabindranath O Samosamoyik Bangla Geetikargan:

Dwijendralal, Atulprasad, Rajanikanto, Dilip Kumar and Nazrul' during 29th August to 31st August, 2013.

- k) A two days national Seminar jointly organized Sangit-Bhavana, Visva-Bharati Santiniketan and Granthan-Vibhaga, on 'Rabindra Sangiter Bhuban' during 11th September to 12th September, 2013.

45. List the teaching methods adopted by the faculty for different programmes:

- a) Practical and Theory
- b) Power-point presentation, Audio-visual interactive sessions, student teachers interactive sessions, tutorials, lectures, demonstration.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Monitored through students' performance in regular assessment exercises as well as in the examinations and performances.

47. Highlight the participation of students and faculty in extension activities:

Regarding achievement of Sangit-Bhavana, it is worth to be specially mentioned that, on the occasion of Rabindranath Tagore's 150th birth anniversary Sangit-Bhavana has organized, conducted and performed numerous cultural programmes, Seminars etc. under the direction of Prof. Indrani Mukhopadhyay, Principal Sangit-Bhavana, here at Santiniketan and other places of India and abroad in the recent past during 2011-2012. Some of them are as follows:-

Cultural Programmes:

- a) Performed Rabindranath Tagore's "Bhanusingher Padavali", "Chitrangada" and "Rituranga" on 7th, 8th and 9th April, 2011 in the Bahurupi-National Festival in the Rangayana Auditorium, Mysore (Karnataka).
- b) Performed Rabindranath Tagore's "Bhanusingher Padavali", in May, 2011 at Kamani Auditorium, New Delhi, organized by Sangit Natak Akademi. New Delhi.
- c) Performed Rabindranath Tagore's Dance-Drama "Chitrangada", on 2nd August, 2011 at Chandigarh on invitation of Tagore Theatre, Govt. of Chandigarh.
- d) Performed Rabindranath Tagore's Dance-Drama "Mayar Khela", on 24th August, 2011 in Kalamandir Auditorium, Kolkata, organized by "Dakshini" a reputed and well-known institute of Rabindra-Sangit.
- e) Performed a Cultural programme on 31st October, 2011 at the Purana Quila, New Delhi, jointly organized by Delhi International Arts Festival and Indian Council of Cultural Relations.
- f) On the occasion of the visit of Her Excellency Smt. Pratiba Patil, the honorable President of India and the Visitor of Visva-Bharati as well, Sangit-Bhavana

presented a cultural programme before Her Excellency on 29th November, 2011 at the Uttarayan complex, Santiniketan.

- g) Performed Rabindranath Tagore's Dance-Drama "Chitrangada", on 31st December, 2011 at Dhaka (Bangladesh), organized by "Surer Dhara" a well known cultural forum of Dhaka, Bangladesh.
- h) Performed Rabindranath Tagore's Dance-Drama "Shap-Mochan", on 23rd September, 2012 at Lipika Auditorium, Santiniketan.
- i) Performed Rabindranath Tagore's Dance-Drama "Shap-Mochan", on 29th September, 2012 at Kandy and 2nd October, 2012 at Colombo in Sri Lanka.
- j) Performed Rabindranath Tagore's Dance-Drama "Chandalika", on 14th December 2013 at CMERI, Durgapur.
- k) Performed Rabindranath Tagore's Dance-Drama "Shap-Mochan" on the occasion of Vasantotsava on 27th March 2013 at Mela-Ground, Visva-Bharati, Santiniketan.
- l) Participated in the programme of lecture on "Tagore's Model of Holistic Education" delivered by respected.
- m) The following programmes were held under the leadership of Professor Susanta Dattagupta, Upacharya, Visva-Bharati with the students and faculty of Rabindra Sangit, Dance and Drama:
 - i) Bose Institute, Kolkata on 26.11.2012
 - ii) Uttarayan complex, Santiniketan on 19th December, 2012.
 - iii) I.C.C.R. on 6th January, 2013.
 - iv) Natyaghar, Santiniketan on 18 February, 2013.

48. Give details of "beyond syllabus scholarly activities" of the department:

Throughout the year the department invites the distinguished personalities from within the State and across the Country to deliver the lecture and performance on various theme pertaining to different disciplines.

49. State whether the programme/department is accredited / graded by other agencies? If yes, give details: NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) Department is contributing by including recent research in the curriculum. It has introduced Semester System in both the UG and PG Courses. It is also upgrading syllabus as per UGC guidelines from time to time for generating new knowledge in domains of research. Department also organizes seminars, conferences in new emerging fields and related disciplines in order to introduce and generate new knowledge.
- b) Generating new knowledge in Performing Arts research methodology.

- c) Applying the concept of new choreography for globalized concept of Tagore's Performing Art.
- d) A vast and important project on Kalanukramik Rabindra-Sangit has been taken by the Dept. of Rabindra Sangit, Dance & Drama Sangit-Bhavana and the work has already been started from 10.09.2012, under the Chairmanship of Prof. Arun Kumar Basu, and under the coordination of Prof. Indrani Mukhopadhyay, Principal Sangit-Bhavana.
- e) Started project on "Rabindra-Sangit Gabeshana Kendra", Sangit-Bhavana under the chairmanship of Upacharya, Visva-Bharati and co-ordination of Sri Arun Basu.
- f) Introduced a new Course named "Centre for Esraj" for Indian and Foreign students, aimed to explore the research and popularize the instrument.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Highly qualified faculty with A+ and A grade awarded by All India Radio
- ii) Regular participation of students in the programmes organized by the SAARC countries and the Youth Festivals at the national level.
- iii) Performance and production within the University, different places within the states, across the country and abroad generating funds for the University. Please note that most of these productions are the end result of continuous regular research based production.
- iv) A very rich Performing Art library with Digitization of Books
- v) Introduction of M. Phil Course on Practical, and
- vi) Teacher-student ratio (1:10)

b) Weaknesses:

- i) Need for an Audio-studio
- ii) Need for a digitized archive
- iii) Documentation unit of Sangit-Bhavana
- iv) Online teaching
- v) Adequate space to accommodate the faculties

c) Opportunities:

- i) Addition of other streams of instruments like Flute, Sarod and Violin.
- ii) Building a repertoire for Hindusthani Classical Music both Vocal and Instrument
- iii) Collaboration of performing arts departments/ schools at the national and international levels through already existing MOUs.
- iv) Initiating interdisciplinary performance based research

d) Challenges (SWOC) of the Department:

- i) Devising methodology of teaching Hindusthani Classical Music in the global context.
- ii) Exploring avenues for propagation of Rabindrasangit, Dance and Drama presentations at national and international level
- iii) Developing improved curriculum suitable to Semester system
- iv) Generating funds from national and international organizations through dissemination of Tagore's ideas, concept, ethos and culture by way of presentation.

52. Future plans of the department:

- a) Installing software for scientific analysis and assessment of Vocal Music in relation to the curriculum of the Department.
- b) Installing a smart class room with a computer laboratory for students.
- c) Imparting lessons nationally and internationally through Skype.
- d) To initiate certificate courses in Vocal and Instrumental Music especially, Esraj, Sitar and Tabla through Granthan Vibhaga at Kolkata and try to find possibilities to set up centres at other states, national and international areas.
- e) Strengthening the Research Centers through MHRD, Ministry of Culture and UGC grants.

Evaluative Report of the Department of Painting

1. **Name of the Department :** Department of Painting
2. **Year of establishment :** 1919
3. **Is the Department part of a School/Faculty of the university?** Yes, Department under Kala Bhavana.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** The department has UG, PG and Ph.D.
5. **Interdisciplinary programmes and departments involved:**
 Department has introduced four Interdisciplinary programmes –
 - a) Paper making from Natural Fibre of Plants and Book Art.
 - b) New Media /Video Art and Performance.
 - c) Installation Art
 - d) Digital Photography
 (Other Departments involved: History of Art, Design, Sculpture, Graphic Art).
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 We are already having steady students Exchange programme with art colleges in France and Holland
With France
EPCC Ecole supérieure des beaux-arts
 Tours Angers Le Mans - Site d'Angers
 72 rue Bressigny - 49100 ANGERS
Netherlands Universities
Royal Academy of Art
 University of the Arts, The Hague
7. **Details of programmes discontinued, if any, with reasons:** There is no such programme discontinued.
8. **Examination System:** Semester system.

9. Participation of the department in the courses offered by other departments:

Students participate in Courses offered by Department of Environmental Studies

Students participate in Tagore Studies offered by Rabindra Bhavana

Students participated in the New Media programme offered by Srishti school of Art, Design & Technology, Bangalore 2011.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 1 | - | - |
| Associate Professors | 3 | - | 1 |
| Asst. Professors | 5 | - | - |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Prof. Nandadulal Mukherjee
Qualification : M.F.A. in Painting and Mural
Designation : Professor
Specialization : Painting and Mural
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- b) **Name** : Dilip Mitra
Qualification : M.F.A. in Painting
Designation : Associate Professor
Specialization : Painting
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) **Name** : Dr. Sitansu Mukhopadhyay
Qualification : M.F.A. in Painting
Designation : Associate Professor
Specialization : Painting
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students guided for the last 4 years : 01

- d) **Name** : Sanchayan Ghosh
Qualification : M.F.A.in Painting
Designation : Assistant Professor
Specialization : Painting
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- e) **Name** : Arghya Priya Majumdar
Qualification : M.F.A.in Painting
Designation : Associate Professor
Specialization : Painting
No. of Years of Experience : 16
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- f) **Name** : Ambarish Nandan
Qualification : M.F.A. in Painting
Designation : Assistant Professor(II)
Specialization : Painting
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- g) **Name** : Prasanta Sahu
Qualification : M.F.A. in Painting
Designation : Assistant Professor
Specialization : Painting
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- h) **Name** : Rajarshi Biswas
Qualification : M.F.A. in Painting
Designation : Assistant Professor
Specialization : Painting
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Sk Sahajahan

- Qualification** : M.F.A. in Painting
Designation : Assistant Professor
Specialization : Painting
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
j) Name : Dharitri Boro
Qualification : M.F.A. in Painting
Designation : Assistant Professor
Specialization : Painting
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Professor Emeritus:

- a) Prof. K. G. Subramanyan
- b) Prof. Jogen Choudhury

Visiting Fellows:

- a) Atul Dodiya (Eminent Artist, Mumbai)
- b) Sohei Iwata (Eminent Artist, Japan)
- c) Amrit Gangur (Eminent Film Critic and Historian, Mumbai)

13. Percentage of classes taken by temporary faculty — programme-wise: Nil

14. Programme-wise Student Teacher Ratio : 1:12

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------|------------|--------|--------|
| Technical | Nil | Nil | Nil |
| Administrative | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

- a) Art exhibitions , Workshops, Seminars in national and international levels are the major thrust areas and students , faculties of our department, regularly participate. These are basically self funded and there is no financial involvement with any external funding agencies.
- b) Research, video and digital documentation of Birbhum Terracotta temples supported by Visva Bharati (2009-11).
- c) Research, video and digital documentation of Tribal art & Culture(2009-11).

- d) Research, video and digital documentation of traditional painting and Idol making of Hatserandi, Birbhum, self funded (2009-11).
- e) Research , video and digital documentation of Muluti supported by Visva Bharati (2011-12).

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| | Project | Funded by |
|----|--|--|
| a) | Sanchayan Ghosh conducted the project AAKIL AARSI-The Mirror of Mind,A Community based Art activity with the Santhal Community in Fuldanga and Pearson Palli sharing the process of paper making from natural fibre(Dry Bamboo Leaves) as part of Negotiating Routes: Ecologies of the Byways II | Supported by Khoj International Artists Association, New Delhi, 2011. Total GrantRs.1.5 lakh |
| b) | Dilip Mitra, ongoing glazed ceramic Mural Project for Ganitra Sadan , Visva Bharati | Supported by Ganitra Sadan (Department of Computer Science). Total Grant:Rs. 50,000/- |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: b) International collaboration:

We are already having steady Exchange Programme for Faculties with art colleges in France, Bangladesh ,Thailand which are partly funded by the faculties and host institutions of the visiting countries.

For students, we also started student exchange programme

With France

EPCC Ecole supérieure des beaux-arts

Tours Angers Le Mans - Site d'Angers

72 rue Bressigny - 49100 ANGERS

Netherlands Universities

Royal Academy of Art

University of the Arts, The Hague

Individual faculty invited for teaching

Sanchayan Ghosh

Invited to teach for one semester in Mahatma Gandhi Institute of Fine Arts, in The MFA programme in the Year, 2012.

Prashanta Sahu

Invited to teach as a visiting Faculty in Sarojini Institute of Fine Arts, University of Hyderabad, 2011-12

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

No financial involvement with such agencies.

20. Research facility / centre with

a) state recognition:

b) national recognition:

c) international recognition:

We do have facilities such as programmes and studios etc for individual research fellows but we do not have national, international research centres.

21. Special research laboratories sponsored by / created by industry or corporate bodies: None

22. Publications:

a) No. of papers published in peer reviewed journals:

Ambarish Nandan – 04

Sanchayan Ghosh – 01

b) Monographs:

c) Chapters in Books:

d) Edited Books:

e) Books with ISBN with details of publishers:

f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

g) Citation Index — range / average:

h) SNIP:

i) SIR:

j) Impact Factor — range / average:

k) h-index:

23. Details of patents and income generated: None

24. Areas of consultancy and income generated: In Painting Department we do not have such collaborative programmes.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Sanchayan Ghosh –

- a) Invited as a Visiting Faculty by School of Fine Arts, Mahatma Gandhi Institute(MGI), Moka, Mauritius to teach Interdisciplinary art practise in MFA semester programme for one semester.
- b) Invited to participate in the International Kochi Art Biennale, organised by Kochi Biennale Foundation, 2012.
- c) Invited as a national selector for Bharat Rang mahotsav by NSD(National school of Drama)2011 to select National and Internal Plays.
- d) Participated in the New Media Art workshop conducted by Rashtriya Lalit Kala Kendra, New Delhi in Chitra Kala Parishad, Bangalore, 2011.
- e) Participated in the International artist workshop and Exchange programme between Kala Bhavana Visva Bharati and Charukala Kendra, Dhaka University, Bangladesh, 2011.

Prasanta Sahu –

Visiting faculty

Invited as Visiting Faculty to conduct workshop and interact with students, by the Department of Fine Arts, Sarojini Naidu School of Fine Arts and Communication, University of Hyderabad.

26. Faculty serving in

- a) **National committees:**
- b) **International committees:**
- c) **Editorial Boards:**
- d) **Any other (please specify):**

Prof. Nandadulal Mukherjee –

- i) External Member Board of Graduate studies, Dept. of cultural and creative studies, North Eastern Hill University, Shillong.
- ii) External Member Board of studies, Dept. of Painting, R.B.U. Kolkata.
- iii) External Member Board of studies, Dept. of Painting, Kalyani University, W.B.
- iv) External Member Board of studies, Dept. of Painting, Lucknow University.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

NANDADULAL MUKHERJEE

Workshops –

- i) Teacher's workshop of Drawing & Painting based on Tagore's Drama on the occasion of 150yrs of Rabindranath's Birth Centenary, 2010.

- ii) Participated in Cultural exchange program with Painting Workshop between Dhaka Charukala Institute, Bangladesh & Kala Bhavana, Santiniketan at Bangladesh, 2011.
- iii) Art workshop organized by SSVAD, Santiniketan, 2011.
- iv) Group show at Weavers Gallery, Kolkata, 2011.
- v) Art workshop 'Dhaka- Santiniketan Exchange Programme' from 28th January – 2nd February 2012 organized by Kala Bhavana, Visva Bharati.
- vi) Participated in the Art Workshop at Dhaka Art College, Bangladesh, 2011.
- vii) Visited Victoria & Albert Museum, London, 2011.
- viii) Participated Painting Workshop (Mallar II, at SSVAD. Organized by Techno India, Kolkata- 2012.

Exhibitions –

- i) Group show at Lalit Kala Academy, New Delhi organized by INFAC Kolkata, 2010.
- ii) Annual Exhibition of Birla Academy of Art & Culture, Kolkata, 2011.
- iii) Participated Swami Vivekananda 150th birth centenary celebrations exhibition- organized by R.K. Mission, Kolkata, 2012.

Demonstrations –

- i) Invited to demonstrate and conduct Fresco Mural workshop at College of Art & Design, Burdwan University, 2011.

Art Fairs –

- i) Participant & Exhibited painting at Emami Chisel Art Fair, Kolkata, 2nd – 4th Nov 2012.

Member-Board of Studies

Member-Board of Studies, Kalyani University, West Bengal.

DILIP MITRA

Workshops –

- i) Teacher's workshop of Drawing & Painting based on Tagore's Drama on the occasion of 150yrs of Rabindranath's Birth Centenary, 2010.
- ii) Participated in Cultural exchange program with Painting Workshop between Dhaka Charukala Institute, Bangladesh & Kala Bhavana, Santiniketan at Bangladesh, 2011.
- iii) Artist workshop at SSVAD, Santiniketan 2011.
- iv) Participated Painting Workshop at Santiniketan, W.B. Organized by Dr Subarna Bose at SSVAD Jan-2012.
- v) Participated Painting Workshop at Santiniketan, WB. Organized by Dr Subarna Bose at SSVAD 2012.
- vi) Participated Indo – Bangladesh eminent Artist Workshop, at EZCC

organized by Ministry of culture- 2012.

- vii) Participated National Painting Workshop (Mallar II, at SSVAD. Organized by Techno India, Kolkata- 2012.
- viii) Participated as a Resource Person, UGC– Sponsored Workshop on Natural Dye Painting organized by Govt College of art & craft, Kolkata- 2012

Exhibitions –

- i) Black and White Drawing group show (Deep within the souls) at Sridharani Gallery, New Delhi, 2010.
- ii) An exhibition held in the occasion of inauguration of SSVAD, Santiniketan, 2010.
- iii) Group Show at Gallery Blue Spade, Bangalore, 2010.
- iv) Group Show on Celebrating 150th birth anniversary of Gurudev Rabindranath Tagore at School of Fine Arts, Mahatma Gandhi Institute, Mauritius, 2011.
- v) Group Show on Celebrating 150th birth anniversary of Gurudev Rabindranath Tagore at Pegasus art Gallery, Hyderabad March 2012.
- vi) Group Show on Celebrating 150th birth anniversary of Gurudev Rabindranath Tagore of Tagore palate at Samokal art Gallery, Kolkata, Feb 2012.

Projects –

- i) Assisted & Project Coordinator to Prof K. G. Subramaniam Stoneware tile Mural at Kala Bhavana, Visva-Bharati, Santiniketan, 2011-2012.

Seminars –

- i) Participated 3 days seminar on “Cinema of Prayoga” Collaboration with Kala Bhavana & Bikshan Film Society, Santiniketan, Aug 2011.

Exhibitions

- i) “Art in Santiniketan-to-day” a group show curated by Pranab Ranjan Roy, Organised by Pegasus art gallery and Santiniketan art hub, part-I at the state art Gallery, Hyderabad and part –II at Salarjung Museum, Hyderabad.

Sitansu Mukhopadhyay

Workshops –

- i) Teacher’s workshop of Drawings & Paintings based on Tagore’s Drama on the occasion of 150yrs of Rabindranath Tagore’s Birth Centenary, 2010.
- ii) Artist workshop at SSVAD, Santiniketan 2011.
- iii) Art workshop (Painting) organized by SSVAD, on 21st & 22nd January 2012.
- iv) Art workshop ‘Dhaka- Santiniketan Exchange Programme’ from 28th January – 2nd February 2012 organized by Kala Bhavana, Visva-Bharati.
- v) Participated National Painting Workshop (Mallar II, at SSVAD. Organized

by Techno India, Kolkata - 2012.

- vi) Participated woodcut workshop at SSVAD, Santiniketan. 2012.
- vii) Participated Painting Workshop at Santiniketan, WB. Organized by Dr Subarna Bose at SSVAD 2012.

Exhibitions –

- i) An exhibition held in the occasion of inauguration of SSVAD, Santiniketan, 2010.
- ii) Annual Exhibition of Birla Academy of Art & Culture, 2011.
- iii) Tribute to 150th Anniversary celebration of Gurudev Rabindranath Tagore Organized by Mauritius Broadcasting Corporation at Mauritius, 2011.
- iv) Participated Kala Bhavana teachers etching Exhibition at Nandan Art Gallery, Santiniketan, December 2012.

Art Fairs –

- i) Participant & Exhibited painting at Emami Chisel Art Fair. Kolkata, 2nd – to 4th Nov 2012.

Argha Priya Majumder

Workshops –

- i) National Art workshop organised by Art World gallery at Kodaikanal, 2010.
- ii) Teacher's workshop of Drawings & Paintings based on Tagore's Drama on the occasion of 150yrs of Rabindranath Tagore's Birth Centenary, 2010.
- iii) Artist workshop at SSVAD, Santiniketan 2011.
- iv) Participated Ceramic (Stoneware) Workshop by Kala Bhavana Teachers- Sep. 2011.
- v) Participated Painting Workshop at Santiniketan, WB. Organized by Dr Subarna Bose at SSVAD Jan-2012.
- vi) Participated Indo – Bangladesh eminent Artist Workshop, at EZCC organized by Ministry of culture- 2012.
- vii) Participated National Painting Workshop (Mallar II, at SSVAD. Organized by Techno India, Kolkata- 2012.

Exhibitions –

- i) Tribute to 150th Anniversary celebration of Gurudev Rabindranath Tagore organized by Mauritius Broadcasting Corporation at Mauritius 2011.
- ii) Group Show on Celebrating 150th birth anniversary of Gurudev Rabindranath Tagore at Pegasus art Gallery, Hyderabad March 2012.
- iii) “Art in Santiniketan-to-day” a group show curated by Pranab Ranjan Roy, Organized by Pegasus art gallery and Santiniketan art hub, part-I at the state art gallery, Hyderabad and part –II at Salarjung Museum, Hyderabad, 2012.

Seminars –

- i) National Seminar on Rabindrachitra organized by Visva-Bharati Adhyapaka Sabha, Santiniketan, 2012.

Art Fairs –

- i) Participant & Exhibited painting at Emami Chisel Art Fair. Kolkata, 2nd – to 4th Nov. 2012.

Ambarish Nandan**Workshops –**

- i) Teacher's workshop of Drawings & Paintings based on Tagore's Drama on the occasion of 150yrs of Rabindranath Tagore's Birth Centenary, 2010.
- ii) Participated in a Painting workshop organized by West Bengal Charukala Parishad, Kolkata, 2011.
- iii) Participated in a Painting workshop organized by Chandpara Art College, West Bengal, Sponsored by U.G.C, 2011.
- iv) Participated in Sara Painting workshop organised by EZCC, Santiniketan, 2011.
- v) Participated in Folk Painting of Jharkhand, workshop organised by EZCC, Santiniketan, 2011.
- vi) Paper presented in the National Level workshop & Seminar organised by Department of Silpa Sadana, Visva-Bharati, December 2011.
- vii) Participated in a workshop organised by Kalamandir art foundation, Jharkhand, on "Vernacular architecture based on Folk/ Tribal craft and painting tradition of Jharkhand" December 2011.
- viii) Participated in the International art workshop under Dhaka –Santiniketan Art Exchange programme organised by Kala Bhavana, Santiniketan, from 28th January to 2nd February 2012, Santiniketan.
- ix) Participated in the International art workshop and seminar under Dhaka – Santiniketan Art Exchange programme organised by Kala Bhavana, Santiniketan, from 17th to 25th february 2012, at Faculty of Fine arts, University of Dhaka, Bangladesh.
- x) Participated as resource person in the Batik workshop organized during the National seminar on Rabindra Bichitra ,organized by Visva-Bharati Adhyapaka Sabha, Santiniketan on 11&12th February 2012.
- xi) Participated in 4th State level art workshop (Painting) 2days at Bengal Fine Arts College, Chandpara, West Bengal, 2012.
- xii) Participated in the National Level workshop on "Eco friendly printing with natural Dye" organized by Department of Silpa Sadana, Visva-Bharati. 8- 9th December 2012.

Exhibitions –

- i) Participated in the Exhibition at Lalit Kala Academy, New Delhi organized by INFAC, 2010.
- ii) Participated in the International painting exhibition organised by Mauritius Broadcasting Corporation, in Moka, Mauritius, December 2011.
- iii) Participated in an International art show (Life on Wall) organized by Art family. At Birla Academy, Kolkata, from 26th December 2012.

Symposium –

- i) Participated in an art symposium organized by Chandpara Art College, West Bengal, Sponsored by U.G.C, 2011.

Seminars –

- i) Participated in a Seminar organised by Kalamandir art foundation, Jharkhand, on “Craft Tourism: scope for sustainable livelihood of folk artist” December 2011.
- ii) Paper presented in Seminar on Alpona of Bengal: Tradition, modernity and Beyond organised by Gurusaday museum, Kolkata, 8th February 2012.
- iii) Participated in the National seminar on Rabindra Bichitra, organized by Visva-Bharati Adhyapaka Sabha, Santiniketan, on 11&12th February 2012.

Judging –

- i) Nominated as an expert for school level painting competition on Energy conservation, 2011, by The Director of School Education, West Bengal.

Member of Jury –

- i) Acted as one of the Jury members for West Bengal state, primary school level Art Competition held on D.V.C. Kolkata on 09.11.12.

Art Fairs –

- i) Participant & Exhibited painting at Emami Chisel Art Fair. Kolkata. 2nd –to 4th Nov 2012.

Prasanta Shau

Workshops –

- i) Teacher’s workshop of Drawings & Paintings based on Tagores Drama on the occasion of 150yrs of Rabindranath Tagores Birth Centenary, 2010.
- ii) Artist workshop at SSVAD, Santiniketan 2011.
- iii) “Marve Camp” – at Mudh Island, Mumbai, organized by RPG Group, 2013.
- iv) Art camp with Indo-Bangladesh artists, part of Joint Celebrations (CUP) to Commemorate the 150th Birth Anniversary of Rabindranath Tagore. Organised by Ministry of Culture, Government Of India, 2012.

Exhibitions –

- i) “ALT + REFRESH”, a group exhibition; at gallery remain rolland alliance

- francaise de, Delhi, Curated by Anoop Kamath, Organised by Pigment art, New Delhi, 2010.
- ii) "Leap" -a group show at India Habitat Centre, organized by gallery Joie, New Delhi, 2010.
 - iii) "Dali's Elephant", a group exhibition at Icon gallery, London. Curated by Niru Ratnam, 2010.
 - iv) "Irreverent Gene"-a group show at Crimson art gallery, Bangalore, curated by Nalini S. Malavia, 2010.
 - v) "Something strange in the neighborhood"-a group show at ICIA gallery, Mumbai, 2010.
 - vi) An exhibition held in the occasion of inauguration of SSVAD, Santiniketan, 2010.
 - vii) "Uncovered" –a group show at San tache art gallery, Mumbai, 2011.
 - viii) "Indian Contemporary art"- a group show at gallery romain Rolland alliance Francoise de, organized by Habiart Foundation, Delhi, 2011.
 - ix) "Art Bazaar" – a small format show at Ganges art gallery, Kolkata, 2011.
 - x) "art in Santiniketan-to-day" a group show curated by Pranab Ranjan Roy, Organised by Pegasus art gallery and Santiniketan art hub, part-I at the state art gallery, Hyderabad And part –II at Salarjung Museum, Hyderabad, 2012.
 - xi) "Beneath the black", a group show at Gandhara art gallery, Kolkata 2012.
 - xii) Group show in Mauritius, organised by Mauritius Broadcasting Corporation 2011
 - xiii) "The Big Picture-II" – a group show at gallery Sumukha, Bangalore, 2011.
 - xiv) "Negotiated Positions" - a group show at gallery Blue Spade; Bangalore; curretted By Neha Jaindani, 2011.
 - xv) "Art ensemble"-a group exhibition at gallery alliance francaise de, Delhi 2011.
 - xvi) "Uncovered" –a group show at Sanstache art gallery, Mumbai 2011.
 - xvii) "Art for concern" –a charity auction by Concern India Foundation, Mumbai 2011.
 - xviii) "100 Years of Indian Cinema" - a group show at Sarjan art gallery, Vadodara, 2013.
 - xix) "Confluence des Arts" -a group show at gallery art chill, Jaipur, 2013.
 - xx) "India Today, Copenhagen Tomorrow"-a sculpture group exhibition at Denmark Embassy, New Delhi, Jointly organized by Gallery Espace, New Delhi and Ganges art Gallery, Kolkata. 2013.
 - xxi) "Art in Santiniketan-to-day" a group show curretted by Pranab Ranjan Roy,

Organised by Pegasus art gallery and Santiniketan art hub, part-I at the state art gallery, Hyderabad and part –II at Salarjung Museum, Hyderabad, 2012.

xxii) “Beneath the black”, a group show at Gandhara art gallery, Kolkata, 2012.

Sanchayan Ghosh

Site Specific Installation Art –

- i) Doosra –The Other Maze, Installation with artificial rose in the Sculpture Garden of Frieze Art Fair, held in Regents Park, London, 2010.
- ii) Wind Vane Memoir-A Workshop based Installation Art in the sea beach of Marina Beach Chennai as part of curation ‘Catastrophe’ by Koumudi Patil organized by Art Chennai, 2012.
- iii) Participated on the Group show on Violence curated by Amit Mukherjee in Nandan, Art Gallery Santiniketan, 2012.

Workshops –

- i) Participated in the New Media Art workshop conducted by Rashtriya Lalit Kala Kendra, New Delhi in Chitra Kala Parishad, Bangalore, 2011
- ii) Participated in the International artist workshop and Exchange programme between Kala Bhavana Visva Bharati and Charukala Kendra, Dhaka University, Bangladesh, 2011
- iii) Participated in Teachers Art Workshop in Kala Bhavana on Visual Art workshop based on Tagore Literatures conducted by Kala Bhavana teachers’ community to commemorate the 150th Birth Centenary of Rabindranath Tagore, Kala Bhavana, 2010.
- iv) Participated in the Art Workshop of Faculty members from Art Colleges of India Organized by Chitra Kala Parishad, Bangalore, 2011.
- v) Participated in Teachers Art Workshop in Kala Bhavana on Ceramics Kala Bhavana, 2011.
- vi) Border Lands, An ongoing Research and Workshop based art activity in Collaboration with Anshuman DasGupta (pursuing PhD, Goldsmith UK) on the Notion of territory in Enclaves of North East India, 2012-13.
- vii) Incomplete Circles: Invisible Voices, Conducted a workshop Community based Sound Art project and a Site specific Installation in Kochi as part of the Kochi- Muziris Biennale, India 12/12/12.
- viii) Presented Audio Visual presentation on Socially Engaged Art Practise in India, at School of Fine Arts, Mahatma Gandhi Institute (MGI), Moka, Mauritius, 17th October 2012.
- ix) Organised and participated in the Workshop with Nine MFA students Kala Bhavana from Shantiniketan, led by Dr. Anthony Haughey (artist and

lecturer/researcher in the School of Media at the Dublin Institute of Technology, Dublin, Ireland) as part of the International Exhibition : Homelands, based on the Art collection of British Council UK, curated by Latika Gupta, New Delhi, 3rd March, 2013.

Seminar and Symposium –

- i) Participated in the Panel discussion on Cross Media Art practice organized by Studio 21, Kolkata, 2011.
- ii) Presented a Paper on Alternative art practice and Kala Bhavana in the Seminar organized by Dhaka Charukala Kendra, Dhaka University, 2011
- iii) Presentation on new Media Art practice as part of the new media Art Workshop conducted by Rashtrya Lalit kala Kendra and coordinated by Chitra Kala Parishad, Bangalore, 2011
- iv) Participated in the symposium on Interdisciplinary practice and theatre, Organized by Prachya, Kolkata, 2011.
- v) Presented paper on the seminar Democratization of Art Practice, conducted by Sri Pranab Ranjan Roy, organized by Emami Chisel Art Gallery, 2010.
- vi) Participated in the Panel discussion on Art Practice in Institution and Professionalism organized by Chitra Kala Parishad, Bangalore, 2012
- vii) Coordinated an Interdisciplinary seminar on New Experiment in Film Making CINEMA PRAYOGA, curated by Amrit Gangar, organized by Kala Bhavana and Bikshan Film Society in Santiniketan, 2011.

Other Activities –

- i) Designed the stagecraft for the dance Drama, Tasher Desh coordinated and conducted by Visva Bharati, as part of the 150 Birth centenary Celebration of Gurudev Rabindranath Tagore, 2010
- ii) Designed the Scenography of the drama, Bisharjan directed by Suman Mukhopadhyay performed by Tritio Sutra, Kolkata, 2010
- iii) Designed the scenography of the drama Raktakarabi, directed by Gautam Haldar (Sr) and produced by Purba Paschim, Kolkata, 2010.
- iv) Designed the Scenography of drama Rather Rashi, performed by Sahityika, Santiniketan, 2010.

Community Based Art Activity –

- i) AAKIL AARSI-The Mirror of Mind, A Community based Art activity with the Santhal Community in Fuldanga and Pearson Palli sharing the process of paper making from natural fibre (Dry Bamboo Leaves) as part of Negotiating Routes: Ecologies of the Byways II supported by Khoj International Artists Association, 2011

Other Activities

- i) Designed the Scenography of the drama, Natir Puja directed by Kaushik Sen Performed by Swapna Sandhani, Kolkata, 2011.
- ii) Designed the Scenography of the drama Raktakarabi, directed by Manish Mitra and produced by Arghya, Kolkata, 2012.
- iii) Designed the Scenography of drama Tathagata, performed by Rangapat, Kolkata, 2012.
- iv) Invited as a National Jury member of the Selection Committee of Bharat Rangmahotsav, National Theatre Festival, organized by National school of Drama, New Delhi, 2011.

Exhibitions –

- i) Participated as an Invited Artist in International Art Event, Kochi –Miziris Biennale, organised for the first time in India in Kochi, 12/12/12/ to 13/03/13

RAJARSHI BISWAS

Workshops –

- i) Teacher's workshop of Drawings & Paintings based on Tagores Drama on the occasion of 150yrs of Rabindranath Tagores Birth Centenary, 2010.
- ii) Teacher's workshop on Ceramic Mural at Kala Bhavana, Dept. Of Design, 2011.
- iii) Participated in traditional Sara Painting workshop at EZCC, Ministry of Culture, Govt. of India, Santiniketan, 2011.

Exhibitions –

- i) A group show organized by Gandhara art gallery, Kolkata, 2010.
- ii) A workshop organized by Eyewithin, Kolkata, 2010.
- iii) A group show at Academy of Fine Arts organized by Seva an N.G.O organization, Kolkata, 2011.
- iv) Annual show organized by Birla Academy of Art & Culture, Kolkata, 2011.
- v) Exhibition of Sara paintings organized by EZCC, Ministry of Culture, Govt. of India, Santiniketan, 2011.
- vi) 'Emerging artists' an online show organized by gallery Artalive, New Delhi, 2011.
- vii) 'Emerging artists' an online show organized by gallery Artalive, New Delhi, 2013.
- viii) Participated in the Kala Bhavana teachers Graphic Print group Exhibition at Nandan gallery, Kala Bhavana, Visva-Bharati, 2012.

Seminars –

- i) National Seminar on Rabindrachitra organized by Visva Bharati

Adhyapaka Sabha, Santiniketan, 2012.

Sk. Sahajahan

Exhibitions –

- i) Annual Group Show at ‘The visual Arts Gallery, Habitat Center, Lodhi road, New Delhi, organized by Chowla Art Gallery, on 11th to 30th April 2012.
- ii) A group show for Paritosh Sen memory, named ‘As a tribute to the man & The Artist, Organized by the Harrington Street Arts Center, Kolkata, on 28th September to 20th October 2012.
- iii) “Art in Santiniketan-To-Day” held at “SALAR JUNG MUSEUM”, Ministry of Culture, Government of India, Hyderabad from 18th to 25th April 2012 on the occasion of “World Heritage Week”.
- iv) Participated Kala Bhavana teachers etching Exhibition at Nandan Art Gallery Santiniketan, 27th - 4th December 2012.

Art Fairs –

- i) Emami Chisels Art (ECA) Fair which held on 2nd to 4th November 2012 at Emami Chisel Art Gallery, Kolkata.

DHARITRI BORO

Performances –

- i) Performance at KIPAF . 13th Feb 2013.
- ii) Performance at Gauhati Artist’s Guild, under the production of KANKHOWA, House Bearer, Feb 2013.

28. Student projects:

- a) percentage of students who have done in-house projects including interdepartmental projects: 60%
- b) percentage of students doing projects in collaboration with other universities / industry / institute: 25%

29. Awards / recognitions received at the national and international level by

a) Faculty:

Nandadulal Mukherjee

- i) Member-Board of Studies, Kalyani University, West Bengal.

Ambarish Nandan

- i) Nominated as an expert for school level painting competition on Energy conservation, 2011, by The Director of School Education, West Bengal.
- ii) Acted as one of the Jury members for West Bengal state, primary school level Art Competition held on D.V.C. Kolkata on 09.11.12.

Sanchayan Ghosh

- i) Invited as a National Jury member of the Selection Committee of Bharat

Rangmahotsav, National Theatre Festival, organized by National school of Drama, New Delhi, 2011.

b) Doctoral / post doctoral fellows:

c) Students:

- i) Sujay Malakar and Surajit Biswas received Junior Fellowship from Ministry of Human Resource 2011-12.
- ii) Pratik Bhattacharya Received National Scholarship from Ministry of Culture, Govt.
- iii) Abir Mukherjee Received National Scholarship from Ministry of Culture, Govt of India 2010-11.
- iv) National Scholarship –
Sudipto Mondal, Rameez Wahid, Prakash Kishore.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Sanchayan Ghosh –

Workshops –

- i) Incomplete Circles: Invisible Voices, Conducted a workshop Community based Sound Art project and a Site specific Installation in Kochi as part of the Kochi-Muziris Biennale, India 12/12/12.
- ii) Organised and participated in the Workshop with Nine MFA students Kala Bhavana from Santiniketan, led by Dr. Anthony Haughey (artist and lecturer/researcher in the School of Media at the Dublin Institute of Technology, Dublin, Ireland)as part of the International Exhibition : Homelands, based on the Art collection of British Council UK, curated by Latika Gupta, New Delhi, 3rd March,2013.

Seminars –

- i) Coordinated an Interdisciplinary seminar on New Experiment in Film Making CINEMA PRAYOGA, curreted by Amrit Gangar, organized by Kala Bhavana and Bikshan Film Society in Santiniketan, 2011.

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| | | | | | |

| | | | | | |
|---------------|-----|-------------------|-------------------|-------------------------|------|
| B.F.A. – 2009 | | 9 | 7 | 100% | 100% |
| B.F.A. – 2010 | | 8 | 10 | Course yet not complete | |
| B.F.A. – 2011 | | 12 | 6 | | |
| B.F.A. – 2012 | | 9 | 7 | | |
| B.F.A. – 2013 | | Foundation Course | Foundation Course | | |
| M.F.A. – 2009 | 164 | 13 | 6 | 100% | 100% |
| M.F.A. – 2010 | 134 | 17 | 7 | 100% | 100% |
| M.F.A. – 2011 | 180 | 16 | 10 | 100% | 100% |
| M.F.A. – 2012 | 176 | 14 | 12 | Course yet not complete | |
| M.F.A. – 2013 | 182 | 18 | 9 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M.F.A. – 2009 | 68.42 | 05.25 | 15.78 | 10.52 |
| M.F.A. – 2010 | 45.83 | 08.33 | 37.50 | 08.33 |
| M.F.A. – 2011 | 30.76 | 15.38 | 46.15 | 07.69 |
| M.F.A. – 2012 | 42.30 | 26.92 | 23.07 | 07.69 |
| M.F.A. – 2013 | 37.50 | 15.62 | 12.50 | 34.37 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

PhD Students

a) BHASKAR HAZARIKA(JRF-2013)

b) JYOTIRMOY DAS(JRF-2013)

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------|-----------------------------|
| UG to PG | 100% |
| PG to M.Phil. | Not applicable |

| | |
|---|-----|
| PG to Ph.D. | 3% |
| Ph.D. to Post-Doctoral | |
| Employed | |
| <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 50% |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 60% |
| from other universities within the State | 30% |
| from universities from other States | 10% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: None

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Nandan, Kala Bhavana Library
- b) **Internet facilities for staff and students:** Not adequate
- c) **Total number of class rooms:**
- d) **Class rooms with ICT facility:** None
- e) **Students' laboratories:** One
- f) **Research laboratories:** None

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university:

| Name of the Students | Year of Registration | Title |
|----------------------|----------------------|---|
| DHARITRI BORO | 2012 | Mask Tradition in Bhaona Performance of Majuli (Critical Study around Decontextualizing the Practise) |
| BHASKAR HAZARIKA | 2012 | ART IN PUBLIC SPHERE OF ASSAM SINCE 1970 (Transforming subaltern culture of protest and identity politics) |
| SOUMYADIPTA SEN | 2013 | GENESIS OF POPULAR COMICS |

| | | |
|--|--|--|
| | | IN INDIA;FROM60'S TO RECENT PAST (A Critical Evaluation through Cross Cultural Perspectives and Narrativity) |
|--|--|--|

b) from other institutions/ universities :

40. **Number of post graduate students getting financial assistance from the university:** At least two students each year.
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** New programme like New Media Art practice of the Department is being processed and developed for further assessment.
42. **Does the department obtain feedback from**
 - a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Faculty suggestions are discussed in Department B.O.S. meeting and resolutions are made which are then followed in the annual curriculum routine and programme.
 - b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** After every module discussion are generated collectively between concerned faculties and students and the opinion of the students are taken consideration for future process of teaching and curriculum planning.
 - c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Annual interaction with visiting scholars and alumnus are held to discuss matters around curriculum and art practise in general.
43. **List the distinguished alumni of the department (maximum 10):**
 - a) Satyajit Ray (Oscar awarded Eminent Filmmaker, writer and artist)
 - b) K.G. Subramanayan (Padma Bibhushan, Kalidas samman, eminent artist and Scholar)
 - c) Dinakar Koushik (Aban Gagan awardee and eminent artist)
 - d) A Ramachandran (Eminent artist based in New Delhi)
 - e) Nissar Hussain (Eminent artist, researcher and Professor Dhaka University, Bangladesh)
 - f) Partha Pratim Deb (eminent artist and Academician, Kolkata)
 - g) Mr. Suchat, (Director of Fine Arts, Burapha University, Thailand)
 - h) Sheela Gowda (Eminent artist in Bangalore)
 - i) Jayasree Chakrabarty (Eminent artist, Kolkata)

- j) Mithu Sen (Eminent artist in New Delhi)
- k) Hiroko Tuskamoto (Eminent artist, Japan)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Demonstration on Contemporary Painting by Atul Dodiya (Eminent Artist, Mumbai).
- b) Workshop Demonstration on Chinese calligraphy Amitabha Bhattacharya
- c) Workshop and demonstration on Stained glass by Tandra Chandra (eminent glass artist from Kolkata)
- d) Lecture Demonstration on new media Art Practise by faculty members of Shristi School of Art, Design & Technology, Bangalore, 2011
- e) Presentation of works by Sohei Iwata and Marcus Shimozu artist from Japan on public Art and its possibilities, 2010.
- f) Presentation on Performance Art, Jeetin Rangher, artist from Bangalore, 2011
- g) Presentation on Contemporary Chinese Art and Animation by Ritwij Bhowmik artist and scholar with experience on Contemporary Chinese Art, 2010-11.
- h) Department of Painting coordinated a workshop on Tagore literature with the teachers of Kala Bhavana as part of the 150th Birth Centenary Celebration of Gurudev Rabindranath Tagore, 2010.
- i) Lecture Demonstration on Photography on local community by Margarette Frank, Full Bright Fellow, coordinated by Sanchayan Ghosh, 2010.
- j) Presentation of paper, "Hoarding Painting in Mumba" by Amrit Gangut, Visiting Fellow, Department of Painting.
- k) Presentation of paper, "Cinema Prayoga, New Experiments in Film making" by Amrit Gangut, Visiting Fellow, Department of Painting
- l) Presentation of works titled "Public Intervention" by Stephan and Sylvia artist from Germany.
- m) Presentation on Contemporary Pop Art in Japan" and "Bauhaus in India" by John Clammer, Visiting Professor, United Nation University, Tokyo.
- n) Workshop Demonstration on Suiboku Media technique by Japanese artist Yuriko Lochan-, August, 2012 coordinated by Sanchayan Ghosh and Dilip Mitra. All Painting department teachers & Students participated.
- o) Presentation on Traditional & Contemporary Sara & Pat Painting of Bangladesh by Prof. Nissar Hussain (Department of painting, Dhaka Charukala Parisad, Dhaka University, Bangladesh. All Painting department teachers & Students participated.
- p) *'We were trying to make sense...' Exploring socially engaged art practices.*
- q) A presentation by **Magda Fabianczyk**, Polish artist/Curator, 31.01.13. All Painting department teachers & Students participated Coordinated by Sanchayan

Ghosh

45. List the teaching methods adopted by the faculty for different programmes:

- a) Audio Visual Lecture demonstration
- b) Exercise on site-specific engagement using methods of anthropological and sociological documentation
- c) Conducting workshops on performance games
- d) Exploring alternative drawing techniques
- e) Lecture demonstration on Video Art through audio visual presentation
- f) Workshop projects for Installation art

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Every 15 days on a monthly basis the students have to make presentation/submission of their process of working which is monitored and evaluated by all the faculties collectively

47. Highlight the participation of students and faculty in extension activities:

Faculties Participation in Extension Activities –

- a) Sanchayan Ghosh conducted community based Art activity with the Santhal Community in Fuldanga and Pearson Palli evolving a strategy to recycle dried leaves as a process of making paper from Natural Fibre. It intended to provide a process for alternative sustainable economic tool based on local environment 2009.
- b) Sanchayan Ghosh and Soumyadip Sen Ph.D scholar student conducted a group workshop with local villagers of Dwaranda village on Memories of Landscape and its impact on everyday life through gestures and sound and conducted shadow casting workshop 2013-14.
- c) Sanchayan Ghosh conducted workshop with students of Srinagar Art College on notions of self determination and identity, 2013.
- d) Students participated and performed in the workshop seminar on Freedom of speech and Violence coordinated by Tagore Centre, Jadavpur University and Ebon Alap, 2014.
- e) Installation by students and Dharitri Boro on issues on Femininity as part of theater Festival organised by Usha Ganguli (eminent Thetare Director) in Lipika, Visva Bharati

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) *'We were trying to make sense...' Exploring socially engaged art practices.*
- b) A presentation by **Magda Fabianczyk**, Polish artist/Curator, 31.01.13. All Painting department teachers & Students participated Coordinated by Sanchayan Ghosh.

- c) Presentation on Contemporary New Media and Interactive Art by **Jesper Alvaer** from Norway and **Isabela Grosseova** from Prague on 15th February 2013. All Painting department teachers & Students participated .Coordinated by Dharitri Boro.
 - d) International seminar on New Experiments of Film Making, “Cinema Prayoga” curated by Ashish Avikuntak and Amrit Gangur(Visiting Fellow), 2012.
 - e) Presentation of works by Stephan and Sylvia(artist form Germany) titled “Public Intervention, March 2012.
 - f) Lecture Demonstration on new media Art Practice by faculty members of Shristi School of Art, Design &Technology, Bangalore, 2011.
 - g) Presentation of works by Sohei Iwata and Marcus Shimozu artist from Japan on public Art and its possibilities, 2010.
 - h) Presentation on Performance Art, Jeetin Rangher, artist from Bangalore, 2011.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Ranking as Number one fine art college in the country by India today magazine for the Year-2013.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- a) Creating possibility for new experiments with digital technology and new media practices.
 - b) Exposing students to dialogue with contemporary techniques and approach to Painting.
 - c) Generating awareness to overall transformation and evolution of world art.
 - d) Introducing new approach to publicness of art practise and participatory art.
 - e) Introducing new approach to performance art and other time based art practices
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
- a) Strengths:**
- i) A strong process based art curriculum leading towards an awareness to individual creativity and also translating them to socially relevant art practice.
 - ii) Initiating collaborative and group activities through mural activities and workshops.
 - iii) Practicing a critical approach to research and experimentation with traditional and contemporary idiom as of art practice.
 - iv) Encouraging students to engage with new media based art activity and performance art to incorporate transforming mode of communication system

in art practice.

- v) Practice based art practice with a strong focus on conceptual and post conceptual process of art to generate more active relation to art making and social engagement

b) Weaknesses:

- i) Insufficient facility of new communication systems for teaching and research.
- ii) Lack of adequate and proper studio facility.
- iii) Insufficient individual studio space for Masters Students.
- iv) Requirement for a specialized mural studio that could accommodate new machineries for mural application in public space.
- v) Lack of infrastructure for archiving, documentation and research activity

c) Opportunities:

- i) Students enjoy a unique environment of engaged research orientation towards a critical approach to individual creativity.
- ii) Unique environment of nature and collective lifestyle of studio practice.
- iii) Possibility of undergoing research in a interdisciplinary environment.
- iv) Providing a global approach to art practice where students from different region and country to participate and explore creativity.
- v) Constantly providing opportunities for students to interact visiting artists from India and abroad and to interact with them.

d) Challenges (SWOC) of the Department:

- i) To cope with the growing number of students and to provide them individual facility for developing their creative practice.
- ii) To create a balance between new technology and a process based organic art education.
- iii) To generate an awareness of process and performativity in contemporary art practice.
- iv) To activity a regular inflow of visiting fellows from international contemporary art practice.
- v) To evolve a contemporary pedagogic policy to accommodate the ever changing relation ship of art, culture and society.

52. Future plans of the department:

In the last two decades the world of art has drastically changed with the emergence of new communication systems in the age of globalization and contemporary art practice have also evolved into new systems of sign making deriving methods from the constantly expanding domain of heterogenic cultural encounters. In this respect the department is also adopting and implementing new methods of art teaching giving

focus to inter-disciplinary art activity in reference to a critical approach to methods and ideas. As a process it has ventured into digital animation, new audio-visual art practice, documentation, photography together with video art movements, installation art, performance etc. This intermingling of the new methods and materials like new media has created a new environment in the department which is generating dynamic experiments and innovative practices.

In this respect Department wishes to initiate proper new media studio with audio visual facility to enable the students to practise these areas within a studio environment. In this respect Department is creating opportunities for the students to interact with practicing artists, art historians and art critics from all over the world by regularly inviting experts from various fields to give presentations and lecture demonstrations.

To evolve a contemporary pedagogic policy to accommodate the ever changing relationship of art, culture and society. With evolution of information technology and communication systems, mode of circulation of information is accessible to individual students easily. In this respect integrated pedagogic policy that will facilitate the academic process in a workshop mode is inevitable. A review of present pedagogic process that is limited to academics only needs to be foreground to generate more possibility for students to engage with art activity as a direct interface of social and cultural life.

Evaluative Report of the Department of Sculpture

1. **Name of the Department :** Department of Sculpture
2. **Year of establishment :** The department was started informally under the guidance of Ram Kinkar Baij in 1932.
3. **Is the Department part of a School/Faculty of the university?** Faculty of Fine Arts Kala-Bhavan, Visva-Bharti University, Santiniketan.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
The courses offered are UG (BFA) PG (MFA) PhD.
5. **Interdisciplinary programmes and departments involved:**
The Courses offered are Tagore Studies and Environmental Studies.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Presently the department does not have any kind of programme or course as such.
7. **Details of programmes discontinued, if any, with reasons:** This option does not apply on our present curriculum.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :**
 - a) In the BFA level course the first year which consists of two semesters the students have to study all types of Fine arts, including Painting, Sculpture, Design and Graphics Art providing them the basic understanding of various forms of Art practices.
 - b) In the MFA level the theory of Arts is mandatory since it's a practice led degree this is done through the department of History of Art.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|-----------|-------------------------|--------|------------------------------|
| Professor | 1 | 1 | |

| | | | |
|----------------------|---|---|--|
| Associate Professors | 3 | 2 | |
| Asst. Professors | 5 | 5 | |
| Others | 2 | 2 | |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Prof. Pankaj Panwar
 Qualification : M.F.A.
 Designation : Professor
 Specialization : Sculpture
 No. of Years of Experience : 18 years plus
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA
- b) Name :
 Qualification : Sri. Sutanu Chatterjee
 Designation : Associate Professor
 Specialization : Sculpture
 No. of Years of Experience : 12 years plus
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA
- c) Name : Sri. Mati Lal Kalai
 Qualification : M.F.A.
 Designation : Associate Professor
 Specialization : Sculpture
 No. of Years of Experience : 2 months plus
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA
- d) Name : Sri Kamal Dhar
 Qualification : M.F.A.
 Designation : Assistant Professor
 Specialization : Sculpture
 No. of Years of Experience : 9 yrs plus
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA
- e) Name : Sri Rishi Barua
 Qualification : M.F.A.
 Designation : Assistant Professor

- | | | | |
|--|--|---|------------|
| | Specialization | : | Sculpture |
| | No. of Years of Experience | : | 8 yrs plus |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | NA |
- f) **Name** : Sri Amit Kumar Dhara
- | | | | |
|--|--|---|---------------------|
| | Qualification | : | M.F.A. |
| | Designation | : | Assistant Professor |
| | Specialization | : | Sculpture |
| | No. of Years of Experience | : | 1 yr 6 months plus |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | NA |
- g) **Name** : Sri Lawanshaibha Kharmawlong
- | | | | |
|--|--|---|---------------------|
| | Qualification | : | M.F.A. |
| | Designation | : | Assistant Professor |
| | Specialization | : | Sculpture |
| | No. of Years of Experience | : | 9 months plus |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | NA |
- h) **Name** : Sri Sajad Hussain Hamdani
- | | | | |
|--|--|---|---------------------|
| | Qualification | : | M.F.A. |
| | Designation | : | Assistant Professor |
| | Specialization | : | Sculpture |
| | No. of Years of Experience | : | 4 months plus |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | NA |
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
- Bettino Franchini from Florence Italy 2012-2013.
 - Jhon Newman Former Director UG studies Yale University New York.
 - Ms Paloma Torres Estrada Mexico 2012.
 - Professor Louis Raymon Ecole Superior DE Beaux Le-Mans France.
13. **Percentage of classes taken by temporary faculty — programme-wise:**
This option does not apply on our present curriculum.
14. **Programme-wise Student Teacher Ratio:**
- UG (BFA) 1:10
 - PG (MFA) 1:3

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Administrative staff | 03 | 02 | 01 |

16. Research thrust areas as recognized by major funding agencies:

Since the department provides facility for research on individual basis the research thrust areas are within the scope of Sculpture and related fields, no funding agencies are involved with it.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: None.

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: b) international collaboration:

Inter-institutional collaborative projects done internationally with many universities but without any grants received.

List includes –

- i) Faculty Of Fine Arts Silpakorn University Bangkok, Thailand 2004-2010.
- ii) Faculty Of Fine Arts Dhaka University Dhaka, Bangladesh 2010-2012.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: So far we haven't received any of these grants.

20. Research facility / centre with

- a) state recognition : Nil
- b) national recognition: Nil
- c) international recognition: Nil

The department provides facility for research on individual basis.

21. Special research laboratories sponsored by / created by industry or corporate bodies: The department does not have any such laboratory.

22. Publications: This option does not apply on our present curriculum.

a) No. of papers published in peer reviewed journals:

Sutanu Chatterjee – 02

b) Monographs:

c) Chapters in Books:

d) Edited Books:

e) Books with ISBN with details of publishers:

f) Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**

23. Details of patents and income generated: This option does not apply on our present curriculum.

24. Areas of consultancy and income generated:

- a) Statue Relief of Mahatma Gandhi IGNCA New Delhi. Income generated/total project 8,50000.
- b) Statue of Rabindranath Tagore National Library Kolkatta 2008. Income generated/Total Project Cost 12,00000.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

This option does not apply on our present curriculum.

26. National committees b) International committees c) Editorial Boards d) any other (please specify):

Pankaj Panwar (Professor)

- a) UGC nominated member of advisory committee institute of performing arts, Kamaraj University Madurai.
- b) Vice Chancellor nominee for selection committee faculty of fine arts Rabindra Bharati University Kolkatta.
- c) External Expert member, Board of Studies, Faculty of Visual Arts, BHU. Varanasi.
- d) Member of the Expert Selection Committee for the National Cultural Scholarship, Ministry of HRD, Govt. of India.
- e) Member of the Expert Selection Committee, National Exhibition of Art, Lalit Kala Akademy, New Delhi, 2012-2013
- f) Member of the Advisory committee, Rajya Charukala Parishad, Dept. of Culture, Govt of West Bengal.
- g) Member of the Board of Studies (BOS), Dept. of Plastic Arts, Faculty of Visual Arts, B.H.U. Varanasi.
- h) Member of the Jury, Annual All India Visual Art Exhibition, Academy of Fine Arts, Kolkata.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

PANKAJ PANWAR (Professor, Dept. of Sculpture)

Exhibitions –

- i) Exhibition of “Contemporary Indian Art”, Beijing, China, organized by National Gallery of Modern Art, N. Delhi 2011
- ii) Exhibition of “Contemporary Sculptures” -Organized by Emami Chisel Art, Kolkata.- 2011.
- iii) “Viewing Room” Exhibition of contemporary Sculpture” at Jahangir Art Gallery, Bombay 2011
- iv) All India Art Exhibition, Academy of Fine Arts, Kolkata.
- v) “Celebration 2013 Kolkata” an Art Exhibition/Workshop/Seminar/Music/Film, at ICCR, Kolkata
- vi) Delhi Art Summit 2013 (International Art Exhibition), Ganges Art Gallery.
- vii) Contemporary Indian Art Exhibition, at the Danish Embassy, New Delhi.
- viii) 20th Anniversary of CIMA , Kolkata. 2013- 14.

Workshop/symposium –

- i) “Homage to Gurudev “ National level Artist & Art teacher’s workshop, organized by Chitrakala Parishad, Bangalore 2011
- ii) Techno India Art workshop, SSVAD, Santiniketan
- iii) Bangladesh – Santiniketan Artists workshop, organized by ICCR, Santiniketan.
- iv) International Workshop on Printmaking with Thai, Chinese and Korean Artists at SSVAD, Santiniketan.
- v) International Art workshop and symposium, organized by Burapha University, Thailand 2011
- vi) Kala-Bhavan Teachers Art (Ceramic) workshop 2011
- vii) 8th International Art workshop, Bangkok, Thailand 2012
- viii) Annual Art Workshop organized by SSVAD, at Santiniketan, 2012
- ix) Annual Workshop Exhibition at SSVAD, Santiniketan
- x) Kala-Bhavan Teacher’s Printmaking workshop at the Studio of Lt. Prof. Somnath Hore, Santiniketan.
- xi) Lecture Demonstration & conducted sculpture workshop at Doon School, Dehradun.
- xii) National Scrap welding Sculpture workshop, Govt. of Hyderabad, Andhra Pradesh.
- xiii) 1st International Art Festival & workshop, Narishuan University, Thailand
- xiv) 9th International Art Festival & workshop, Poh-Chang Academy of Arts, Rajamangala University, Bangkok, Thailand.

Sutanu Chatterjee (Associate Professor)

- i) Annual Exhibition of Birla Academy of Art and Culture, Kolkatta- 2009
- ii) Invited participation in “Pritty Ugly”, organized by Bose Pacia Kolkatta, Curated by Critic Romein Maitra, 2010.
- iii) Cattalogue Essay: ‘Protikritir Arale’, Rajya Charukala Exhibition, Govt of West Bengal . 2010.
- iv) Open air Sculpture exhibition, organized by Rajya Charukala Parishad, Govt Of West Bengal in Kolkata. 2009 & 2010.
- v) Member of the advisory committee of Rajya Charukala Parishad, Govt of West Bengal – 2006 - 2011
- vi) Invited Participation in Regional Wood curving Sculpture workshop, organized by O.N.G.C-Tripura and Tripura Govt. Art College at Tripura.-Sept.2011.
- vii) Invited an ‘Interactive Seminar on Sculpture and Environmental Art”- Sponsored by UGC.Organised by Dept. of Sculpture, College of Art & Design, Burdwan. And Govt. College of Art & Craft, Kolkata -Sept.2011.
- viii) Invited Participation in an exhibition of ‘Contemporary Sculptures’-Organized by Emami Chisel Art, Kolkata.- Juny2011.
- ix) Invited Participation in Dhaka-Santiniketan Artists’ Workshop & Seminar, under Bangladesh-India Art and Cultural Exchange Program at Kala Bhavana,Visva Bharati,Santiniketan.- January-2012.
- x) Invited Participation in Dhaka-Santiniketan Artists’ Workshop & Seminar, under Bangladesh-India Art and Cultural Exchange Program at the Faculty of Fine Arts,University of Dhaka.-Feb.-2012.
- xi) Catalogue essay: “Bhaskar Ajit Chakraborty” in U.G.C. Sponsored Interactive Seminar on Sculpture and Environmental Art. Dept. of Sculpture, College of Art & Design, Burdwan.-2012.
- xii) Resource Person: First UGC Sponsored Workshop com Seminar Program-Organized by College of Art & Design, College of Art & Design, University of Burdwan and Govt. College of Art & Craft, Kolkata.-Sept.2011
- xiii) Participation in Workshops/Exhibitions
- xiv) Invited participation in National Sculpture camp (Stone) at J.J. School of Art, Mumbai, organized by Lalit Kala Akademi, New Delhi, February, 2013
- xv) Installed two Environmental sculptures using Obsolete Equipment (Iron Scrap) in Satyajit Ray Film & television Institute (SRFTI), Kolkata, for beautification of SRFTI campus project. January, 2013.
- xvi) Kala Bhavana Teachers Art Workshop (Etching), on Teachers Day, from 5th-12th Sculp.2012.

Kamal Dhar (Asst Professor)

- i) Invited Participation in National Terracotta Sculpture workshop, Organized by Lalit Kala Akademy, New Delhi. at Sculpture dept. Kala Bhavana, V.B.-2012
- ii) Invited Participation in Dhaka-Santiniketan Artists' Workshop & Seminar, under Bangladesh-India Art and Cultural Exchange Program at the Faculty of Fine Arts, University of Dhaka.-Feb.-2012.

Rishi Barua (Asst Professor)

- i) Art Workshop at Visakhapatnam, organized by Pegasus Foundation and Canara Bank- September 2011
- ii) Kala-Bhavana Teachers Art workshop (Ceramic), on Teachers Day, from 5th-12th Sept. 2011.
- iii) National Terracotta Camp organized by Lalit Kala Akademi, New Delhi, held at Santiniketan.
- iv) Art Camp at Santiniketan Society of Visual Art and Design at Santiniketan
- v) National Level Art Camp and Exhibition at Karnataka Chitrakala Parishat, Bengaluru, entitled 'Artists and Art Teachers'- December 2011
- vi) Co-ordinator for National Film Seminar 'Cinema of Prayoga' organized by Study Circle, and Kala Bhavana, Visva Bharati.
- vii) Organising Committee Member of E.B.Havells 150th Birth Centenary Celebration- seminar at Kala Bhavana.
- viii) Participation in Workshops/Exhibitions
- ix) Painting workshop at SSVAD, Santiniketan organized by IIHM Kolkata.
- x) National Level Sculpture workshop at Silparamam, Hyderabad, organized by Dept. of Tourism., Govt. of Andhra Pradesh. August 2012
- xi) International Workshop on Printmaking with Thai, Chinese and Korean Artists at SSVAD, Santiniketan, September 2012
- xii) 'Mallat-II' a National Artists Camp organized by Techno India Group at SSVAD, Santiniketan. Followed by Art Exhibition at SSVAD gallery.
- xiii) Kala Bhavana Teachers Annual Art Workshop on Graphic Art (Etching).
- xiv) 9th International Art Workshop at Rajamangala University of Technology, Bangkok, Thailand followed by Art Exhibition at Poh Chang Academy of Art, Rattanakosin, Bangkok.
- xv) 1st International Art Camp at Naresuan University, Thailand., followed by Art Exhibition with 100 International Artists at Phitsanulok, Thailand.
- xvi) Group Show at ICCR. Called 'Celebration 2013 Kolkata', sponsored by ICCR, Kolkata.

Sumitabha Pal:

(He has been transferred from Kala Bhavana for disciplinary reason to other department) his details up to 10/09/2013.

- i) Kala Bhavana Teachers annual art workshop, Sept, 2009.
- ii) Thai Indian artist workshop and exhibition, at Silpakorn University, Bangkok, 2009.
- iii) Thai Indian artist workshop and exhibition, at Visva Bharati University, Santiniketan, 2009.
- iv) Invitee Artist at “CREATIVE WAVE” a group show at the New South Gallery, Academy of Fine Arts, Kolkatta, 18-24 Feb. 2010.
- v) Art camp at “SSVAD” (Santiniketan Society for Visual Art & Design), Santiniketan, 2010.
- vi) Invitee artist at annual show of Birla Academy of Art and Culture, Kolkata. 2010.
- vii) Invited participation in “THE CITY WE DREAM” an exhibition by Calcutta Sculptors, at Town Hall, Kolkata. 2010.
- viii) Kala Bhavana teachers drawing and painting workshop and exhibition on Tagore’s literature, 2010.
- ix) Workshop organized by Regional LKA, Keyatala, Kolkata, collaboration with govt. College of art & craft, Agartala, Tripura, on Dokra Casting method, 2010.
- x) Inaugural Exhibition of SSVAD art centre organized by SSVAD at Santiniketan, 2010.
- xi) Group show on drawings of FACETS members at Nandan, Kala Bhavana, 2010.
- xii) Annual group show of FACETS members at Birla Academy of Art & Culture. 2010.
- xiii) Invitation participation for an exhibition of sculptures by Calcutta Sculptors, at Port Trust, Kolkata, 2010.
- xiv) Bangladesh – Indian Artist workshop & Seminar, under Bangladesh-India art and cultural exchange program, 2011. On 150th Birth Anniversary of Gurudev Rabindranath Thakur, at Faculty of Fine Arts, Dhaka University. Bangladesh. 2011.
- xv) Sculpture and Painting Camp/workshop at open art Gallery, Hyderabad organized by PEGQASUS Art Foundation and Shiparaman, Department of Tourism, Govt of Andhra Pradesh. 2011
- xvi) Annual workshop organized by SSVAD, Santiniketan 2011.
- xvii) Kala Bhavana teachers Art workshop (ceramic) on teachers day. 2011
- xviii) Painting camp at Ananta Giri hill Resort, Vizak organized by PEGASUS art foundation and Canara Bank, Hyderabad. 2011

- xix) 'Hub – 4' a group show at faculty of fine arts gallery, MSU, Baroda. 2011
- xx) Monumental Stone camp/ workshop, organized by Bangalore Development Authority for open air Sculpture Park. 2011
- xxi) 'Spectrum' a group shows at faculty of fine arts gallery, MSU, Baroda. 2012.
- xxii) A group show by 'contemporary artist from Santiniketan' celebrating 150th Birth Anniversary of Gurudev Rabindranath Tagore at State Art Gallery. Kauveri hills, Hyderabad. 2012,
- xxiii) Workshop organized by SSVAD, Santiniketan. 2012.

Others –

- i) Attended seminar on 'Cinema of Prayoga'- Indian experimental film & video, curated by Amrit Gangar at Nandan, Kala Bhavana.
- ii) Coordinate for field study for the student of IInd year & IIIrd year to go to Government Mint Alipur, Kolkata to see coin making process, and also visited Gurusaday Museum at Thakurpukur, Kolkatta. 2011.

Amit Kumar Dhara (Asst Professor)

- i) Joined as faculty member on 18th March 2012.
- ii) Kala-Bhavana Teachers Annual Art workshop on Graphic Art (Etching) from 5th Sept. to 11th Sept 2012 at Somnath Hore artist Residence , Lalbandh , Santiniketan .
- iii) Nepal International One Day Painting workshop ,11th January 2012 at Kala-Bhavana , Santiniketan .

Lawanshaibha Kharmawlong (Asstt Professor)

- i) Supervising departmental multimedia Sculptural workshop conducted by International visiting Artist Bettino Francina. 2013
- ii) Supervising Rubber mould and casting method workshop conducted by Sculptor Sri Tapan Kumar Das from Indian Museum Kolkata. 2013
- iii) Group show at Lalit kala Akademi, Patna, 2013
- iv) Group show at Lalit kala Akademi, Rabindra Bhavan, New Delhi, 2013
- v) National Exhibition by Lalit Kala Akademi, Ministry of Culture, India. Agartala, 2012
- vi) Exhibition at *The Doon School*, Dehradun. 2010.
- vii) Doon Art Society Exhibitions at Muse Art Gallery, Dehradun. 2010, 2011.
- viii) Group Exhibition. "*The Vision*" at International Centre, NewDelhi. 2009.
- ix) Academy of Fine Arts, annual show ,Kolkata – 2009
- x) Birla Academy of Fine Arts, Kolkata – 2009

Workshops Participated –

- i) Lecture on sculpture and demonstration on clay modelling at Martin Luther Christian University. Shillong. 2009.

- ii) North East painting & Sculpture workshop conducted by Directorate of Arts and Culture & NEZCC, Dimapur. Govt. of Meghalaya. 2009.
- iii) Mixed Media Workshop. At Kala Akademi, Prabhadevi, Mumbai, Org.By Ministry of Culture, Govt of India. 2009.

Others –

- i) External Examiner at Assam University, Silchar. 2013.

Mati Lal Kalai (Associate Professor)

Exhibitions –

- i) Group show at Lalit kala Akademi, Patna, 2013
- ii) Group show at Lalit kala Akademi, Rabindra Bhavan, New Delhi, 2013
- iii) 2011- Jainul Art Gallery, Institute of Fine Arts, Dhaka University, Bangladesh.
- iv) 2011- Bengal Gallery of Fine Arts, Dhaka, Bangladesh.

Workshops –

- i) 2010- Agartala, 2010- Chennai, 2012-Bangalore, 2012-Orissa.
- ii) Award 2009- VKIC' SANMAAN', award, Guwahati, Assam.
- iii) 2013- Aduitya Malla Barman' Sanmaan', Under Govt of Tripura.

Sajad Hussain Hamdani (Asst Professor)

- i) Participated in a group show organized by STUDIO-21 Kolkata in 2010.
- ii) Participated in a Group show organized by SPAN Santiniketan Practicing Artists Network 2010-2011 at Nandan Sadan Art Gallery Santiniketan.
- iii) Participated in a group show "Art Against Terrorism" curated
- iv) by Akriti Art Gallery Kolkata April 2009.
- v) Participated in a group show "MIND OF MATTER MATTER OF MIND" curated by Janak Jhankar Narzary at Samokal Art Gallery Kolkata March 2009.
- vi) Workshops and Camps:
- vii) Participated in a seven day workshop organized by ACUA Curating Indian Visual Culture: Theory and Practice (with thematic focus on Art in the Context of Conflicts) as a recourse person in FEB 2012.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** So far the department has not initiated a programme as such.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** So far the department has not initiated a programme as such.

29. Awards / recognitions received at the national and international level by

a) Faculty:

- i) Various National and State academy awards received by the Faculty

including international.

- ii) Various National and International Scholarships and Fellowships received.
- iii) Several National and International residencies, symposiums and workshops.

Mati Lal Kalai (Associate Professor)

- i) 'VKIC SANMAAN', award, Guwahati, Assam, 2009.
- ii) 'Aduitya Malla Barman Sanmaan', Under Govt of Tripura, 2013.

b) Doctoral / post doctoral fellows: Nil

c) Students:

- i) **Srikanta**
Award from Academy Of Fine Arts Kolkata 2011.
- ii) **Kaushik Halder**
Award from Rajaya Charukala Akademi Kolkata 2014.
- iii) **Pradeep Patra**
Award from SSVAD Santiniketan 2013.
- iv) **Suvamita Saha**
Awarded National Scholarship from Ministry Of Human Resource New Delhi 2013.
- v) **Ranga Rao**
Awarded National Scholarship from Ministry Of Human Resource New Delhi 2013.
- vi) **Arindam Sarkar**
Awarded National Scholarship from Ministry Of Human Resource New Delhi 2013.
- vii) **Rangskhembor Mawblei**
Awarded National Scholarship from Ministry Of Human Resource New Delhi 2013.
- viii) **Nikhil Bhonde**
Awarded National Scholarship from Ministry Of Human Resource New Delhi 2013.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- i) Kala Bhavana Teachers annual art workshop, Sept. 2009.
- ii) Thai Indian artist workshop and exhibition, at Visva-Bharati University, Santiniketan, 2009.
- iii) Kala Bhavana teachers drawing and painting workshop and exhibition on Tagore's literature, 2010.
- iv) Group show on drawings of FACETS members at Nandan, Kala Bhavana, 2010.

Amit Kumar Dhara (Asth. Professor)

- i) Nepal International One Day Painting workshop, 11th January 2012 at Kala-Bhavana, Santiniketan .

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|-------------------|-------------------|--------------------------|--------|
| | | Male | Female | Male | Female |
| B.F.A. – 2009 | | 8 | 5 | 100% | 100% |
| B.F.A. – 2010 | | 8 | 2 | Course not complete yet. | |
| B.F.A. – 2011 | | 7 | Nil | | |
| B.F.A. – 2012 | | 8 | Nil | | |
| B.F.A. – 2013 | | Foundation Course | Foundation Course | | |
| M.F.A. – 2009 | 47 | 10 | 2 | 100% | 100% |
| M.F.A. – 2010 | 38 | 8 | 4 | 100% | 100% |
| M.F.A. – 2011 | 65 | 10 | 1 | 100% | 100% |
| M.F.A. – 2012 | 68 | 7 | 6 | Course not complete yet. | |
| M.F.A. – 2013 | 64 | 9 | 3 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M.F.A. – 2009 | 58.33 | 8.33 | 25 | 8.33 |
| M.F.A. – 2010 | 27.27 | 18.18 | 54.54 | Nil |
| M.F.A. – 2011 | Nil | 54.54 | 45.45 | Nil |
| M.F.A. – 2012 | 15.38 | 23.07 | 53.84 | 7.69 |
| M.F.A. – 2013 | 16.66 | 41.66 | 41.66 | Nil |

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:** The department does not have this data available presently.

35. **Student progression:**

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 30% (Approx.) |
| PG to M.Phil. | NA |
| PG to Ph.D. | NA |
| Ph.D. to Post-Doctoral | NA |
| Employed | 80% (Approx.) |
| • Campus selection | 20% |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. **Diversity of staff:**

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 70% |
| from other universities within the State | 20% |
| from universities from other States | 10% |
| from universities outside the country | 0% |

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** This option does not apply on our present curriculum.
38. **Present details of departmental infrastructural facilities with regard to**
- Library:** Attached with Kala Bhavana, Nandan.
 - Internet facilities for staff and students:** The department has an internet facility for both students and staff.
 - Total number of class rooms:** One main studio and five small studios.
 - Class rooms with ICT facility:** None
 - Students' laboratories:** The course doesn't require as such.
 - Research laboratories:** The course doesn't require as such.
39. **List of doctoral, post-doctoral students and Research Associates:** This option does not apply on our present curriculum.
- from the host institution/university:**

b) from other institutions/ universities :

- 40. Number of post graduate students getting financial assistance from the university:** Approximately Two person.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** No such survey or assessment was taken.
- 42. Does the department obtain feedback from**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** At the beginning and end of each group with the students which is supervised by the specialist in the particular medium the group mostly lasts two weeks with the Bachelor students and one month with the senior students.
There is a constant dialogue upon the practice as well as conceptual way one realizes the given tasks and the students analyzed them into their works this kind of discussion and sharing does not stop at that point it continues within the department at end of the group where a practical work is presented its assessed not only by the specialized teacher but the other teachers have their opinion based dialogue on it.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The curriculum in the Fine Arts field totally from the classroom methodology since the subject is a practice based course the teacher student discussion is one on one level the goal here is to provide the student a window into creativity not serve creativity on a palate. While as the classroom methodology is class based and is mostly concerned with providing the factual information to the student.
Since this is opposite to the practice based taught where we are in a constant flux of improving the teaching methods so that most of the students benefit from it.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback:**
The Fine Arts field is very much social in its practice in terms of exhibitions, camps, workshops and seminars there is always a continuous communication between the Alumni and the employees from within the area and outside also their practical knowledge and experience has been always welcomed by the department. We have always created opportunities for the students to benefit from these experiences by inviting these people from time to time.
- 43. List the distinguished alumni of the department (maximum 10):**
- a) Ram Kinkar Baij – Renowned Sculptor, Santiniketan.

- b) Balbir Singh Kat - Renowned Sculptor, former Dean BHU.
- c) M Dharmani - Renowned Sculptor.
- d) Sushen Ghosh - Renowned Sculptor, former principal of Kala Bhavana.
- e) Avtaar Singh Panwar - Renowned Sculptor, former HOD at Lucknow University.
- f) Suren De - Renowned Sculptor, reader Kala Bhavana.
- g) Rajul Bhandari Dhariwal - Renowned Sculptor, Principal Indore College of Arts.
- h) T V Santosh - Renowned Sculptor
- i) Krishna Kumar - Renowned Sculptor
- j) Bipul Kanti Saha - Renowned Sculptor.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Tapan Kumar Das from Indian Museum Kolkata (Rubber Mould Workshop) 2013.
- b) Subrata Biswas, Rajib Mondal and Kinker Saha (Carving Workshop) 2012.
- c) Niroj from Baroda (Glass Etching Workshop) 2011.
- d) Surendera Pandey from Lucknow (Sand Casting Workshop), 2010

45. List the teaching methods adopted by the faculty for different programmes:

Various practice based teaching methods involving discussion projects introduction to various techniques and ideas for the development of concepts.

- a) The students are exposed to the various movements and the historic morphology followed by the artist through the ages by slide show presentations.
- b) The students are encouraged to attend the lectures and discussions to have an in-depth understanding of the various aspects of the functions and the social use of arts.
- c) The students are given time based projects to work with different faculty members who are specialized in particular fields and are assisted in understanding the achievements and draw backs of that particular project.
- d) Students are taken for various field trips and actual spaces where they can see the process or the existing works they are supposed to learn or conceive from.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Group evaluations are carried out after each individual group is asked to do a presentation of their works at the completion of the group and the whole department carries the evaluation on individual assessment basis.

47. Highlight the participation of students and faculty in extension activities:

- a) Extended two weeks programme on ceramics at Confetti Ceramics Factory near Elam Bazar.
- b) Extended two weeks workshop of Dokra Casting at Dariapur near Guskara

- 48. Give details of “beyond syllabus scholarly activities” of the department:**
Yearly students participate with different projects for Nandan Mela (Art Fair in Kala-Bhavan) which are executed on the spot by students seminars and symposiums and lectures are conducted throughout the year by departments.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** This option does not apply on our present curriculum.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
Encouraging the students to be in par with the up to date information regarding techniques trends and happenings in the contemporary art scenes. Methods of conceptualizing the social importance of art and its practical utilizations in Environment, Architecture and design etc.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
- a) Strengths:**
 - i) Hardworking Faculty
 - ii) Strong Sculptural heritage
 - iii) very conducive environment
 - iv) freedom of exploration of new ideas,
 - v) Inter-disciplinary opportunities for the development of creative expression.
 - b) Weaknesses:**
 - i) Need of more studio space,
 - ii) Need of technical staff
 - iii) Need of properly equipped workshop
 - iv) Need of proper office assistants.
 - v) Need of for a display space.
 - c) Opportunities:**
 - i) Space to interact with International students.
 - ii) A Constant dialogue with the established artists from the faculty
 - iii) Regular visits and opportunities to meet with international artists visiting Santiniketan.
 - iv) A healthy environment to develop both personal work performance and students due to the environment.
 - v) To interact with students from different parts of India and abroad.
 - d) Challenges:**
 - i) To be in par with best universities providing art education.
 - ii) To develop a curricular programmes equivalent to international standards of

- art education.
- iii) Make students interested in the contemporary happenings in art field.
- iv) Encourage a Holistic way idea towards arts among students so that it becomes a way of life not merely a profession.
- v) Create a way of appreciation among students towards the ideals of Rabindranath Tagore and their relevance to present time.

52. Future plans of the department:

- a) The department has very basic plans for future as the department is already recognized internationally and has been accommodating foreign students every year from decades what we propose primarily is to create a state of art sculptural space facilitated with top notch technical equipments for the disposal of students. Where the students as well as faculty members can work with all kind of traditional and contemporary ideas and share the experience with the students at a tangible level.
- b) The department has a basic need of more sculptural conducive space fruitful for various kind of experimentation within the studio space and first and most healthy environment should be given the most importance as the idea of working with sculpture means various experiments with various kinds of materials. Larger spaces are also helpful in terms of understanding dimensions in terms of space and size it gives an actual dimension of the ideas conceived.
- c) The department wishes to have also virtual classrooms for students to have access to different art event and activities in Europe and other foreign countries and can witness different workshops, demonstrations and online help to build up fruitful projects and can share their experiences with students across the globe.
- d) As the department has developed very good relations with some of the most famous art colleges in abroad and our faculty members and students have also been invited to various kinds of exchange programmes we would like to further enhance this activity by inviting artists and students for guest lecturers, artist in residence, visiting fellows and professors for workshops and seminars this will give a valuable opportunity to the students in developing their skills public relations and other aspects to enhance their works.

Evaluative Report of the Department of Graphic Art

1. **Name of the Department :** The Department of Graphic Art.
2. **Year of establishment :** 1968
3. **Is the Department part of a School/Faculty of the university?** Yes, the department is a part of Kala-Bhavana, Visva-Bharati.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, Diploma, Post Diploma, Ph.D, Casual Course, Foreign Casual Course.
5. **Interdisciplinary programmes and departments involved :**
 The department has a wide ambience of interdisciplinary activities of creative arts from other allied discipline .The students and teachers from other departments do creative printmaking in Lithography, Intaglio and other related methods and materials in the deptt. of graphic art. Even during art fair every year Graphic Art department invites selected number of students from School section of Visva-Bharati (Patha Bhavana and Siksha Chatra) to do lithography.
 The department, during this academic year has successfully organised an Intaglio workshop for all the teachers of K.B and even before the same venture has been organised in other print making discipline.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 - a) Since past few years a selected number of students from Saga university of Arts, Kyoto, Japan And EASD, Escola de Arte e Superior, Ourense, Spain do visit the department for a couple of weeks to observe the art of Lithographic printmaking.
 - b) We have already completed the formalities towards MOU between the following institution in abroad to have students exchange to study one semester: Royal Academy Of Art, Netherlands, Ecole Superieure Des Beaux- Le Mans, France
 - c) During academic year (2013-14) Shreya Guha , final year post graduate student have already having one semester at Ecole Superieure Des Beaux- Le Mans, France.

7. **Details of programmes discontinued, if any, with reasons:** The department did not discontinue any programme or courses till date.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments:**
 - a) Certificate Courses in Languages (Bhasha Bhavana)
 - b) Certificate Courses in Rabindra Sangeet (Sangit-Bhavana)
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 01 | 0 | 01 |
| Associate Professors | 03 | 02 | 02 |
| Asst. Professors | 05 | 04 | 04 |
| Others | — | — | — |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Nirmalendu Das
Qualification : Ph.D
Designation : Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 30
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- b) **Name** : Arpan Mukherjee
Qualification : Post-Diploma
Designation : Associate Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) **Name** : Ajit Seal
Qualification : Post-Diploma
Designation : Associate Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 23 in Guwahati Art College and

5y11m in Kala-Bhavana, Visva-Bharati

- No. of Ph.D./M.Phil. students guided for the last 4 years** : 01
- d) **Name** : Salil Sahani
Qualification : MFA
Designation : Assistant Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- e) **Name** : Uttam Kr. Basak
Qualification : MFA
Designation : Assistant Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 23 years in School & 1 year in College, From March 2012 in Kala-Bhavana, Visva-Bharati
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- f) **Name** : Thomas Singh
Qualification : MFA
Designation : Assistant Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- g) **Name** : Prashant Phirangi
Qualification : MFA
Designation : Assistant Professor
Specialization : Graphic Art (Printmaking)
No. of Years of Experience : 03 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Sanat Kar- emeritus professor,
b) Laxma Goud- Renowned Printmaker-Hyderabad
c) Walter D'souza- Renowned Printmaker-Ahmedabad/Goa

- d) Rakiya Sultana- Renowned Printmaker-Dhaka-Bangladesh
- e) Cesar Taboada Varela-Director EASD,Ourense-Spain

13. Percentage of classes taken by temporary faculty — programme-wise: No temporary faculty in the Department.

14. Programme-wise Student Teacher Ratio:

2009-2014 –Approx:-

- a) PG: 4:1
- b) UG: (including-Foundation course, Art History, Bridge course& Casual course) 6:1
- c) PhD Course Work (2012-13) 3:1
(2013-14) 2:1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|---|--------|
| Technical staff | | | |
| Administrative staff | | 1(Helper) | |
| Others | | 1(Casual Worker Under temporary Status) | |

16. Research thrust areas as recognized by major funding agencies:

Technical Experiment in printmaking Medias: Photomechanical Process, video-art, animation, Chemical analysis for Intaglio, Planography, alternative photography technique and Serigraphy.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

No such ongoing projects which received grants from National and international agencies

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

- i) Organised an Inter-institutional exhibition cum illustrated lecture by three faculties from college of art and Design affiliated by Burddhaman University
- ii) “Monochromatic Relief Printmaking” by Walter D’souza, Kanoria centre for Arts, Ahmadabad

- iii) Workshop on Printmaking under the aegis of Department of Culture Govt. of Bihar
- iv) Eastern Zone Workshop on Printmaking under the aegis Lalit kala centre, Kolkata

b) international collaboration:

Prof. Nirmalendu Das (2012-13, 2013-14)

- a) Visiting Professor Scheme -, Department of Architecture Centre for fine arts, naresuan university phitsanulok-Thailand.
- b) Workshop on Lithography, Faculty of visual art, Department of Printmaking, Dhaka-Bangladesh
- c) External Examination and interactive session, at MGI, University of Mauritius
- d) Publication and exhibition on print-art, at Dhaka art centre, Bangladesh.

Arpan Mukherjee(2011-12):

- a) Workshop on Intaglio, Faculty of visual art, Department of Printmaking, Dhaka-Bangladesh.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

No, till this date.

20. Research facility / centre with

- a) state recognition : Nil b) national recognition: Nil
- c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

a) No. of papers published in peer reviewed journals: 02

b) Monographs:

- i) During 2011-12, 2012-13, 2013-14:-The department have published portfolios containing Intaglio, Lithographic and woodcut prints by selected teachers and students.
- ii) Popular Mobile Adventures Story, By Uday Raj, Post Graduate student, 1st year.
- iii) Galpogoru.com, by Rouchya Mahalanobish, Undergraduate 2nd year.
- iv) The Blue story book by Raymond Perrier, final year student, Post Graduation.

c) Chapters in Books: Nil

d) Edited Books: Nil

- e) **Books with ISBN with details of publishers:** Nil
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** NA
 - g) **Citation Index — range / average:** NA
 - h) **SNIP:** NA
 - i) **SIR:** NA
 - j) **Impact Factor — range / average:** NA
 - k) **h-index:** NA
- 23. Details of patents and income generated:** Not yet
- 24. Areas of consultancy and income generated:**
We are in the process of placing proposal to generate income by consultancy and other possible ways such as publishing artistic portfolios, display prints, exhibition etc.
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
Nationally –
Prof.Nirmalendu Das
- a) Printmaking workshop on Lithography at Uttarayan Art Foundation Vododara, August 21 to 31 2011.
 - b) Curated Printmaking Workshop Dedicated to Somnath Hore at Uttarayan Art Foundation Vododara. 20th January to 30th January 2012.
 - c) National Printmaking workshop: Lalit Kala Academy, New Delhi, at Govt. Art College Chandigarh.
- Arpan Mukherjee:**
- a) Photography workshop, organized by Lalit Kala Academy, Bhopal.
 - b) Conducted workshop on Alternative Photography Printmaking, organized by Goa-CAP, Alt Lab, Goa.
 - c) National printmaking workshop in MSU Vadodara organised by LKA-New Delhi.
 - d) Conducted workshop on aluminium plate intaglio CKP-Bengaluru.
 - e) National teachers' workshop CKP-Bengaluru.
- Ajit Seal**
- a) Printmaking workshop. Lalit Kala Academi, Regional Centre, Guwahati
 - b) Printmaking workshop: Uttarayan Art Foundation Vadodara dedicated to Prof. SOMNATH HORE. 2012
 - c) Printmaking workshop on Lithography at Uttarayan Art Foundation Vododara. August 21 to 31, 2011.

- d) Resource person and special Guest at the 4th National Students' workshop at CAVA Mysore. 2011

Uttam Kumar Basak-

- a) All India senior Artist Camp, organized by A.I.F.A.C.S , New Delhi 2013

Prashant Phirangi-

- a) Resource person for "Cyanotype printing"-CKP-Department of printmaking, Bangaluru.
- b) Resource person for "Lithography printing"-CISFA-Department of printmaking, Nagpur

Internationally –

Prof.Nirmalendu Das

- a) Department of Architecture Centre for fine arts, Naresuan University phitsanulok- Thailand.
- b) Workshop on Lithography, Faculty of visual art, Department of Printmaking, Dhaka-Bangladesh
- c) External Examination and interactive session, at MGI, University of Mauritius
- d) Publication and exhibition on print-art, at Dhaka art centre, Bangladesh.

Arpan Mukherjee:

- a) Workshop on intaglio, Faculty of visual art, Department of Printmaking, Dhaka-Bangladesh
- b) Workshop on street photography and photo essay Singapore Tourism Board, Singapore.

Ajit Seal

- a) Dhaka–Santiniketan, Exchange programme, participation in the workshop and seminar organized by the Faculty of Fine Arts, University of Dhaka, Bangladesh.

26. Faculty serving in

a) National committees:

Prof.Nirmalendu Das-

- i) External expert, B.O.S syllabus committee for -10+2+4special course in art and craft design for physically challenged students and for the degree course (entry point –secondary pass) for Chattisgarh State. Indira Kala Sangeet University Khairagarh.
- ii) Member, Higher Education Committee-(Ph.D and research) Rabindra Bharati University-Kolkata.
- iii) Member external expert, B.O.S –CAD,University of Burdwan.
- iv) External expert, selection committee, Assam University, Silchar.
- v) External expert, selection committee, Rabindra Bharati University,Kolkata.
- vi) Chairman, selection committee, Kalyani University, Kalyani.

vii) External-examiner, for PhD. thesis - Assam University, Silchar

Arpan Mukherjee-

i) External expert, B.O.S, Rabindra Bharati University-Kolkata.

ii) Trusty member of GOA –centre for alternative photography.

Ajit Seal-

i) External expert, B.O.S , Rabindra Bharati University-Kolkata.

b) International committees:

Prof.Nirmalendu Das-

i) National Gallery of Modern Art and contemporary art, Rome-to supervise the proposed exhibition of 150th birth anniversary of Rabindranath Tagore, Organized by Ministry of culture Govt. of India.

ii) External-examiner, for PhD. thesis - Rajshahi University –Bangladesh.

iii) Curate Santiniketan Chapter,for 150th birth anniversary of Rabindranath Tagore, under the aegis of information and broadcasting corporation Mauritius at Faculty of Fine arts, Mauritius.

c) Editorial Boards: Nil

d) Any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Nirmalendu Das

Exhibitions –

i) National Printmaking Exhibition, Priyasri Art Gallery, Mumbai. September 2010.

ii) National Printmaking Portfolios. Marvel Art Gallery, Ahmadabad. May, 2010.

iii) National Printmaking Portfolio. M.S.University. Baroda & Mumbai.Oct. 2010

iv) “Masters of Maker”. Printmaking. Sanskriti Art Gallery, July, Kolkata.

v) Drawings - Emami Chisel, Kolkata. June 2010

vi) On the occasion of 150 years of Tagore Birth Anniversary. Nandan, Santiniketan.

vii) Curating the Exhibition on Printmakers of Both Bengal-Paschim Banga and Purba Banga, Exhibition and publication under Dhaka Art Centre, 2011-2012.

viii) Portfolio on etching, Kanu Nayak Art Foundation, Mumbai 2011.

ix) Multiple Encounters: Indo-American Print Exhibition at Lalit Kala Akademi, New Delhi 2012.

x) Dialogue: Nirmalendu Das and Sanat Kar.

xi) 150 year of Rabindranath Tagore Birth anniversary celebration organized by Mauritius Broadcasting corporation. Nov 2011.

xii) National print making exhibition at Swasti Art Gallery Bangalore, Sept. 2011.

- xiii) Teachers' Art Workshop in Ceramics Sept. 2011.
- xiv) Articles: "The place of Krishna Reddy in the history of Indian Printmakers". Indira Gandhi National Centre for Art, New Delhi 2012.
- xv) Exhibition of prints, at , Somnath Hore's Residence, Santiniketan –Aug' 2012 .
- xvi) Violence –Double spared from private to the Public ,to the life systems-at nandan art gallery and Exhibition at JNU Delhi-2012
- xvii) Indo-USA Printmaking exhibition under the title of "Multiple encounters second Edition"-2012.
- xix) Exhibition of Prints for Somnath Hore's international Residency Programme – Santiniketan-2012
- xx) Eminent Printmakers of Bengal Chitrak Gallery Dhaka ,Bangladesh -2012
- xxi) 150th Birth anniversary of Rabindranath Tagore, Exhibition of Prints, Drawings and Paintings of Selected Artists of Santiniketan and Mauritius –at RTI, Mauritius-2012

Workshops –

- i) Drawing & Painting - On the occasion of 150 years of Tagore Birth Anniversary. Sept. 2010 Kala Bhavana.
- ii) Discussion on proposed exhibition on graphic art of Bengal & Bangladesh – Dhaka Art Center, Dhaka. June 2010.
- iii) Printmaking workshop on Lithography at Uttarayan Art Foundation Vododara, August 21 to 31 2011.
- iv) Curated Printmaking Workshop Dedicated to Somnath Hore at Uttarayan Art Foundation Vododara. 20th January to 30th January 2012.
- v) National Printmaking workshop: Lalit Kala Academy, New Delhi, at Govt. Art College Chandigarh.
- vi) PRINTMAKING CAMP ,organized jointly by ART ,CULTURE & YOUTH DEPT.GOV'T OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN,VISVA BHARATI 2012 .
- vii) Kala Bhavan Teacher's Printmaking workshop and exhibition ,Santiniketan-2012.

Others –

- i) Meeting "Higher degree Committee". Rabindra Bharati University 2011.
- ii) External Examiner in North Eastern Hill University, Shillong. August 2011.
- iii) Nominated as a head of the selection committee, University of Kalyani 2012.
- iv) Chancellors Nominee for selection committee Rabindrabharati university Kolkata -2012
- v) Member of the advisory board art family and an international journal of art and aesthetics alighr, UP. ISSN, no. 2249-0248

- vi) Member higher education committee Rabindrabharati University Kolkata 2012.
- vii) Supervise the exhibition in commemoration of 150th Birth anniversary of Rabindranath Tagore, at the National Gallery of Modern and contemporary art , ROME –ITALY-2012
- viii) Member selection committee -Assam University Silchar -2012
- ix) UGC sponsored career counselling cum interactive program on art and practice – CAD, University of Burdwan -2012
- x) Lecture demonstration on art and design at Naresuan University, Thailand-2012.

Arpan Mukherjee :

Exhibitions –

- i) Drawings - Emami Chisel, Kolkata. June 2010
- ii) On the occasion of 150 years of Tagore Birth Anniversary. Nandan, Santiniketan.
- iii) Group Exhibition, organized by Dhaka University, Bengal Gallery, Dhaka, Bangladesh.
- iv) 'Impressions' All India Printmakers Show, organized by Swasti Gallery & HCG, Bangalore.
- v) 'Best of Red Frames' a Photography exhibition organized by 'Red Frames', Alliance Francaise Bangalore.
- vi) Group Exhibition, Organized by Chitra Kala Parisat, CKP Gallery, Bangalore
- vii) Photography exhibition organized by 'Red Frames', IIM Campus & One Santi road Bangalore.
- viii) 'Violence-Double Spread' a curated exhibition on violence, Nandan Art Gallery, Santiniketan.
- ix) Summer Show, Organized by Gallery 88, Kolkata.
- x) 150th Birth anniversary of Rabindranath Tagore, Exhibition of Prints, Drawings and Paintings of Selected Artists of Santiniketan and Mauritius –at RTI, Mauritius-2012
- xi) 'Violence-Double Spread' an curated exhibition on violence, School of Art & Aesthetics, JNU, New Delhi
- xii) 'Charodhyay' a curated exhibition, organised by ICCR & S.F, Colombo, Shrilanka.
- xiii) 'Gum Bichromate' a curated exhibition of gum prints, curated by P.Madhavan/ Goa –Cap, Thalam, Bangalore.
- xiv) Curate 'Bikshan Annual Photography Exhibition' 2013, Nandan Art Gallery, Kala Bhavana, Santiniketan

Workshops –

- i) Drawing & Painting - On the occasion of 150 years of Tagore Birth

- Anniversary. Sept. 2010 Kala Bhavana.
- ii) Conducted workshop, on Alluminium Plate Intaglio Printmaking, CKP, Bangalore.
 - iii) National Art Teacher workshop, Organized by Ministry of Education, Karnataka Govt & CKP, Bangalore.
 - iv) Conducted workshop on *Cyanotype*. Nirupama Art Centre. Kolkata
 - v) Printmaking workshop, organized by Dept of Culture, Govt of Bihar, Santiniketan.
 - vi) Photography workshop, organized by Lalit Kala Academy, Bhopal.
 - vii) Conducted workshop on Alternative Photography Printmaking, organized by Goa-CAP, Alt Lab, Goa.
 - viii) PRINTMAKING CAMP, organized jointly by ART, CULTURE & YOUTH DEPT. GOVT OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN, VISVA BHARATI 2012.
 - ix) Kala Bhavana Teacher's Printmaking workshop and exhibition, Santiniketan-2012.

Collections:

- i) Lalit Kala Academy, Bhubaneswar.
- ii) Goa –Cap alt Lab, Goa

Ajit Seal:

Exhibitions –

- i) Group Show, Birla Academy of Art & Culture, Kolkata
- ii) National Printmaking Portfolios. Marvel Art Gallery, Ahmadabad. May, 2010.
- iii) National Printmaking Portfolio. M.S. University. Baroda & Mumbai. Oct. 2010
- iv) Summer Show. CIMA art gallery, Kolkata
- v) Drawings – Group Show, Nandan, Santiniketan
- vi) On the occasion of 150 years of Tagore Birth Anniversary. Nandan, Santiniketan.
- vii) Kala Mela 2010. CIMA art gallery, Kolkata
- viii) Exhibition of selected artists from Santiniketan on the occasion of Rabindranath Tagore's 150th Birth Anniversary celebrations organized by Mauritius Broadcasting Corporation. Mauritius.
- ix) National print exhibition at Swasti Art Gallery Bangalore.
- x) International print exhibition of Bangladesh and Santiniketan printmakers. Dhaka, Bangladesh. 2011.
- xi) National printmaking Portfolios, Kanu Nayak Art Foundation, Mumbai. 2011
- xii) Multiple Encounters: Indo-American Print Exhibition at Lalit Kala Akademi, New Delhi, 2011.

- xiii) Solo print exhibition at Rabindra Bhawan, Guwahati, Assam. 2012
- xiv) 53rd National Exhibition of Art, Chennai.
- xv) Indo-USA Printmaking exhibition under the title of “Multiple encounters second Edition”-2012
- xvi) Kala Mela 2012. CIMA art gallery, Kolkata
- xvii) Printmaking workshop. Lalit Kala Academy, Regional Centre, Bhubhaneshwar.- Odisha-2013
- xviii) Invitation for visiting faculty programme –Platography at S.N. school Hyderabad University Dept. of Fine Art.-2012.
- xix) Invitation judging committee for 35th Odisha Art exhibition State Lalit kala Academy -2012
- xx) PRINTMAKING CAMP ,organized jointly by ART ,CULTURE & YOUTH DEPT.GOV'T OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN,VISVA BHARATI 2012 .
- xxi) Kala Bhavan Teacher’s Printmaking workshop and exhibition, Santiniketan-2012.
- xxii) Art Fair Organized by Emami Chisel, Kolkata.2012.

Workshops –

- i) Printmaking workshop. Lalit Kala Academi, Regional Centre, Guwahati
- ii) Drawing & Painting - On the occasion of 150 years of Tagore Birth Anniversary. Sept. 2010 Kala Bhavana.
- iii) Kala Mela organized by CIMA GALLERY, Kolkata 2011.
- iv) Printmaking workshop: Uttarayan Art Foundation Vadodara dedicated to Prof. SOMNATH HORE. 2012
- v) Printmaking workshop on Lithography at Uttarayan Art Foundation Vadodara. August 21 to 31, 2011.
- vi) Resource person and special Guest at the 4th National Students’ workshop at CAVA Mysore. 2011
- vii) Dhaka–Santiniketan Exchange programme, participation in the workshop and seminar organized by the Faculty of Fine Arts, University of Dhaka, Bangladesh.
- viii) Teachers’ Art Workshop in Ceramics 2011. Kala Bhavana, Santiniketan.

Salil Sahani:

Exhibitions –

- i) On the occasion of 150 years of Tagore Birth Anniversary. Nandan, Santiniketan.
- ii) Participated in Mauritius Broadcasting Corporation Exhibition 2011.
- iii) Participated in Print Biennale ‘La 15 Biennale Internationale de la Gravure de

Sarcelles, France November, 2011

- iv) Participated in Print exhibition in New Delhi organized by Marvel Art Gallery, 2011.
- v) Participated in National Printmaking Camp at Indira Kala Sasangeet Viswabidyalaya, Khairagarh, Chattisgarh. December-2011.
- vi) 'The Red Brush' theater script published in 'Nandan' -2011
- vii) 'The Red Brush' theater script published in 'Art etc.' -2011
- viii) Theatre Project 'There He Comes' based on 'Raja' by Rabindranath Tagore [on going]
- ix) Participated in Indo American Print Exhibition 'Multiple Encounters' January 2012
- x) Indo-USA Printmaking exhibition under the title of "Multiple encounters second Edition"-2012

Workshops –

- i) Drawing & Painting - On the occasion of 150 years of Tagore Birth Anniversary. Sept. 2010, Kala Bhavana.
- ii) PRINTMAKING CAMP, organized jointly by ART, CULTURE & YOUTH DEPT. GOVT OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN, VISVA BHARATI 2012.
- iii) Kala Bhavan Teacher's Printmaking workshop and exhibition, Santiniketan-2012.
- iv) Art Fair Organized by Emami Chisel, Kolkata. 2012.

Uttam Kumar Basak:

Exhibitions –

- i) UNITED ART FAIR, NEW DELHI 2012.
- ii) Indo-USA Printmaking exhibition under the title of "Multiple encounters second Edition"-2012.
- iii) Art Fair Organized by Emami Chisel, Kolkata. 2012.
- iv) PRINTMAKING CAMP, organized jointly by ART, CULTURE & YOUTH DEPT. GOVT OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN, VISVA BHARATI 2012.
- v) Kala Bhavan Teacher's Printmaking workshop and exhibition, Santiniketan-2012.
- vi) Eminent Printmakers of Bengal, Chitrak Gallery, Dhaka, Bangladesh-2012
- vii) Exhibition of prints at Somnath Hore's Residence, Santiniketan-2012

Workshops –

- i) All India senior Artist Camp, organized by A.I.F.A.C.S, New Delhi 2013
- ii) Regional Printmaking Camp, organized by LALITKALA ACADEMI,

KOLKATA, at SANTINIKETAN W.B 2012

- iii) PRINTMAKING CAMP ,organized jointly by ART ,CULTURE & YOUTH DEPT. GOVT OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN,VISVA BHARATI 2012

Collections –

- i) Lalitkala Academy, New Delhi-2013.

M. Thomas Singh:

Exhibitions –

- i) Group Show in delhi, Mumbai, Chennai, West Bengal etc.
- ii) Exhibition of prints at Somnath Hore's Residence, Santiniketan-2012

Workshops –

- i) PRINTMAKING CAMP ,organized jointly by ART ,CULTURE & YOUTH DEPT.GOVT OF BIHAR AND DEPT OF GRAPHIC ART, KALA BHAVANA, SANTINIKETAN,VISVA BHARATI 2012 .
- ii) Kala Bhavan Teacher's Printmaking workshop and exhibition ,Santiniketan-2012
- iii) Art Fair Organized by Emami Chisel, Kolkata.2012.

Collections:

- i) ABC India pvt.Ltd., WB information centre.

PRASHANT PHIRANGI:

Exhibitions –

- i) INTERNATIONAL TRINNALE OF PRINTS-KRAKOW-POLAND-2012
- ii) 14TH INTERNATIONAL BINNALE OF PRINTS-FRANCE.-2012

Workshops –

- i) 2012 Alumni Camp in M.M.K College of visual art, Gulbarga, Karnataka.
- ii) Participated 2012 national Level seminar on 'Installation art' at Gulbarga University, Karnataka.

Collections:

- i) ROTARY CLUB-U.K
- ii) BHARATH BHAVAN BHOPAL, GALLERY -07 MUMBAI,
- iii) SHRESTA GALLERY BANGALORE,
- iv) UNIVERSITY OF IOWA, IOWA
- v) KRAKOW-POLAND

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:**

- i) 100%-Nandan Mela- Annually.
- ii) 08%-Project in the Design textile Department-Annually.

b) percentage of students doing projects in collaboration with other universities / industry / institute:

- i) CAVA, Mysore-4% Annually.
- ii) Delhi College of arts, New Delhi. -4% Annually.
- iii) 5th international students Biennial, Marmara University, Istanbul -10%.

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Nirmalendu Das -

- i) nominated- Visva-Bharati and NGMA and, Ministry of culture Govt. of India -to supervise the proposed exhibition of 150th birth anniversary of Rabindranath Tagore in Rome-Italy
- ii) Nominated- to curate Santiniketan Chapter, for 150th birth anniversary of Rabindranath Tagore, information and broadcasting corporation Mauritius
- iii) Nominated-Curated Printmaking Workshop Dedicated to Somnath Hore at Uttarayan Art Foundation Vododara.Gujarat.
- iv) Nominated-to Curate the Exhibition on Printmakers of Both Bengal-Paschim Banga and Purba Banga, Exhibition and publication under Dhaka Art Centre,Dhaka,Bangladesh

Arpan Mukherjee –

- i) Nominated: ‘Best of Red Frames’ a Photography exhibition organized by ‘Red Frames’, Alliance Francaise Bangalore.
- ii) Awarded: Photographer of the Year, recognized by ‘better photography magazine’ and Singapore tourism Board –As Evangelist Photographer of Singapore tourism.

b) Doctoral / post doctoral fellows: Nil

c) Students:

- i) Each academic year-Approx 6%-7% are being awarded “Cultural scholarship for young artists by the M.H.R.D.
- ii) Maneesh Kishore (PG-Student-2012-13) awarded by Birla Academy of Art and Culture.
- iii) Arpita Pal- Awarded Krishnakriti Scholarship-2009-13.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Workshop conducted by Walter D’Souza of Ahmadabad funded by Visva-Bharati-2013.
- b) Eastern zone Printmakers workshop conducted and funded by Jointly Lalitkala academy regional centre Kolkata and Visva-Bharati-2012.
- c) Printmaking workshop of Artist from Bihar and Visva-Bharati, organized and

funded by Department of culture Govt. Bihar-2012.

31. Code of ethics for research followed by the departments:

The Department follows the ethics of research towards originality and no plagiarism.

32. Student profile programme-wise:

| Name of the Programme (refer to question no.4) | Applications received | Selected | | Pass percentage | |
|---|-----------------------|-------------------|-------------------|----------------------|--------|
| | | Male | Female | Male | Female |
| B.F.A. – 2009 | | 2 | 3 | 100% | 100% |
| B.F.A. – 2010 | | 4 | 2 | Course not completed | |
| B.F.A. – 2011 | | 4 | 5 | | |
| B.F.A. – 2012 | | 8 | 4 | | |
| B.F.A. – 2013 | | Foundation Course | Foundation Course | | |
| M.F.A. – 2009 | 47 | 12 | 4 | 100% | 100% |
| M.F.A. – 2010 | 38 | 7 | 10 | 100% | 100% |
| M.F.A. – 2011 | 65 | 11 | 8 | 100% | 100% |
| M.F.A. – 2012 | 46 | 12 | 5 | Course not completed | |
| M.F.A. – 2013 | 69 | 7 | 12 | | |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|---|---|---|--|------------------------------------|
| M.F.A. – 2009 | 31.25 | 12.5 | 50 | 6.25 |
| M.F.A. – 2010 | 23.52 | Nil | 70.58 | 5.88 |
| M.F.A. – 2011 | 16.66 | Nil | 72.22 | 11.11 |
| M.F.A. – 2012 | 29.41 | 5.88 | 64.70 | Nil |
| M.F.A. – 2013 | 21.05 | 26.31 | 47.36 | 5.26 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET-2
- SET-Nil

- c) GATE-Nil
- d) Civil Services: Nil
- e) Defence Services examinations: Nil
- f) Other competitive examinations: Nil

35. Student progression:

| Student progression | Percentage against enrolled |
|--|--|
| UG to PG | 100% |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 2-3% |
| Ph.D. to Post-Doctoral | Nil |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | Other than campus recruitment-80%-90% are recruited every year. Rest of the students opt. for freelancing. |
| Entrepreneurs | 10%-20% |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | 04 |
| from other universities within the State | 01 |
| from universities from other States | 02 |
| from universities outside the country | None |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil**38. Present details of departmental infrastructural facilities with regard to**

- a) **Library:** Attached with Kala-Bhavana Library -Nandan
- b) **Internet facilities for staff and students:**
 - i) The studio is connected with –BSNL broad band wi-fi, 24X7.
 - ii) The university internet is connected with LAN -8 computers.
- c) **Total number of class rooms:** 04
- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** Practical Studio 01
- f) **Research laboratories:** Nil

39. List of doctoral, post-doctoral students and Research Associates:**a) from the host institution/university:**

- i) Pritam Bhonsle
- ii) Sukanya Das
- iii) Rabindranath Das
- iv) Shivaji Mukund Shet
- v) Manasi Nag

b) from other institutions/ universities :

- i) Kritee Dan Seal

40. Number of post graduate students getting financial assistance from the university: 04**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Yes

- a) By inviting input from subject experts.
- b) Interdisciplinary and new media art activities - such as stop Motion, Alternative Photography ,Video Installation, Performing art, are the Methods of art making has been newly incorporated to our Departmental curriculum with the Advise of the faculty and professional artists of the field from various places.

42. Does the department obtain feedback from**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:**

At the end of each academic class wise period, the faculty members discuss together and have regular dialogues with students for evaluating the creative class works.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:

- i) The department has regular practice of taking feedback from the students in terms of curriculum and teaching learning methodology. We always try to implement and modified our curriculum wherever is necessary.
- ii) As the printmaking discipline based on, such as class room/ studio which demands sharing equipments, materials etc., the students have time to time discuss the problems faced by them, and jointly along with the teachers solve the problem.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

Our aluminised are in several art institutions in the country and across the country.

We got regular feedback through media communication e-mail, Social networking sites and their visit to the department. Some of the alumni well settled in the field do visit the department in person and have direct interaction with both students and teachers. The department is being enriched by these interactions. Their suggestions are been discussed and sometimes implemented in the course structure.

43. List the distinguished alumni of the department (maximum 10):

- a) Prof. Pinaki Barua: Renowned Artist, Printmaker: Santiniketan
- b) Krishna Reddy: Renowned Artist, Printmaker: New York
- c) Indra Pramit Roy: Renowned Artist, Printmaker: Faculty MSU, Vadodara.
- d) Shyamsundar : Renowned Artist, Printmaker: Faculty SN-CU-Hyderabad.
- e) Prof. Parag Roy: Renowned Artist, Printmaker: Faculty RBU Kolkata.
- f) Prof. Satyaki Roy: Faculty IIT-Kanpur.
- g) Anandamoy Banerjee : Vice-Principal, Delhi Poly-technique.
- h) Kavita Nayyar: Renowned Artist, Printmaker: New Delhi.
- i) Rokiya Sultana : Faculty Charu kala Dhaka University : Dhaka
- j) Wutt thirawut : Faculty Naresuan University : Thailand

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Special workshop on silkscreen printing by Cesar Taboada Varela, EASD, Escola de Arte, Ourense, Spain. Dec. 2010.
- b) Solar plate etching workshop by Serphina Martin, Sydney, Australia- Dec. 2011
- c) Marthias Perez eminent printmaker conducted workshop on intaglio printing in luminous colour, from Ecole Superieure Des Beaux- Le Mans, France. Nov. 2011.
- d) Special demonstration-Lecture on –woodcut and wood engraving by Walter D’Souza of Ahmadabad funded by Visva-Bharati- Nov. 2013
- e) Illustrated lecture on intaglio, woodcut, and paper-pulp work by Abesh Bibor Mitra, CAD University of Burdwan –Nov. 2013.
- f) Illustrated lecture on Black and White drawing and calligraphy by Sourav Jana, CAD University of Burdwan –Dec. 2013.
- g) Illustrated lecture on Black and White - woodcut by Binayak Bhattacharjee, CAD University of Burdwan –Dec. 2013.
- h) Lecture and slide Presentation by Atul Bhalla, SNU –Delhi, Nov. 2013.
- i) Special Lecture and slide Presentation by Rustam Bharucha –Eminent person in the field of art and Aesthetics, from JNU-Delhi- Nov. 2011
- j) Illustrated talk on “Cosmic Paintings” by Eminent Painter Mahir Mamtani from Munich Academy of Visual art, Germany Sep. 2013.

- 45. List the teaching methods adopted by the faculty for different programmes:**
- a) Field research: the department has adopted both Theoretical and Practical Research on Traditional Knowledge bank as a methodology of Teaching Learning Process.
 - b) Visual communication: the department regularly show films, videos, video tutorials, from internet, to make the students and faculty aware about the contemporary methodology of art making.
 - c) Workshop: the department regularly organize internal workshops on various issues in terms of Practical Demonstration to theoretical discourse, and observed that workshops are very useful methodology to the process of art teaching.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
- a) The students have to present their work to the larger community once in a month. In the date of presentation the teachers and students critically discuss their presentations, so that they can meet their objectives.
 - b) The experts and the artists regularly interact with our students. From them we get the feedback and accordingly we review our programmes.
- 47. Highlight the participation of students and faculty in extension activities:**
- Throughout the whole academic year all the students and faculty members jointly and collectively work together for development curriculum in extension activities like, Produce and printed books, artistic folio, illustrated books etc.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- The students organise weekly interactive session on Art/films/documentary/classical movies/and its related areas. Through these activities even the students and teachers of the other department have regular participation in this activity.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
- a) In the UGC X-plan report –the department of Graphic art, Kala-Bhavana has been approved as -the best printmaking department in country.
 - b) An important art Magazine art and deal –New Delhi has declared the department of Graphic art Kala-Bhavana, the best printmaking department in country.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- a) The department of Graphic art since 2010 has incorporated new printmaking Medias in their syllabus curriculum for post graduate and graduate courses.
 - b) As a part of contemporary art practice and its research some of the incorporated

curriculum is (such as stop motion, video installation, video art, etc) are being taught only in this institution in India.

- c) Alternative and non toxic printmaking has started here first time in the country.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) Practice based research and departmental archive of printmaking.
- ii) International exposure.
- iii) Use of Contemporary method and technology.
- iv) Faculty who are involved into experiments, like non-toxic printmaking, development of new mediums.
- v) Expert opinion from renowned alumnise

b) Weaknesses –

- i) Don't have technical and non- academic office staffs.
- ii) Extremely inadequate studio space for both students and teachers.
- iii) Don't have proper laboratory for experiments.
- iv) Infrastructure
- v) Poor digital facilities.

c) Opportunities –

- i) Scope for extensive research on traditional printmaking.
- ii) Scope for experimenting with the new and contemporary printmaking methodology.
- iii) Scope for exhibition and interaction to the national and international community.
- iv) Scope for exchange programme with other institutions in India and abroad.
- v) Scope for establishment as an artist in field.

d) Challenges of the Department –

- i) Funding for equipments and space.
- ii) Infrastructure development
- iii) Archive development
- iv) Funding for national and international exchange of exhibition, students and teachers.
- v) Development of digital Lab. and other facilities for technical experiments.

52. Future plans of the department:

- a) Want to update as a centre for advanced printmaking.
- b) Conversion of the existing department to non-toxic and Green Printmaking studio.
- c) Development of a proper printmaking resource centre for contemporary art.
- d) Development of Library of books, journals, videos, exclusively on printmaking

- e) Proper digitalisations and development of the present printmaking archive.
- f) Publications of research activities, books on printmaking, contemporary practice of the department and documentation of the experiments which are going on.
- g) Establish and explore the interaction between more institutions both national and international level.

Evaluative Report of the Department of History of Art

1. **Name of the Department :** History of Art
2. **Year of establishment :** 1969
3. **Is the Department part of a School/Faculty of the university?** Yes; Kala Bhavana, the Faculty of Fine Arts, Visva Bharati (University), Santiniketan.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** BFA in Art History, MFA (Bridge Course) in Art History, Ph.D. in Art History.
5. **Interdisciplinary programmes and departments involved:** It has no formal interdisciplinary programmes but Art History itself is an interdisciplinary subject negotiating between art practice, history, social sciences, philosophy and theory. Members of the faculty place themselves in these inter-disciplinary spaces in their work and teaching. We occasionally also get colleagues from other departments such as Language departments to address our students. Besides all the departments in Kala Bhavana is structured in a manner that it has to remain in constant interaction with each other in an interdisciplinary manner.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None at the moment at an institutional level, however individual faculty members offer courses at personal level, on invitation, eg. DEOMEL at Visva Bharati, Moheli Parikh Centre for Visual Arts, Mumbai, Bhau Daji Lad Museum, Mumbai. Tagore research project at the Institute of International Visual Arts in collaboration with Goldsmiths College, London, and the Dutch Art Institute in Arnhem.
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System:** All programmes offered in the semester system at present; transition from annual system is complete.
9. **Participation of the department in the courses offered by other departments:**
All our students both at the undergraduate and postgraduate level has to opt for a studio practice course offered by the departments of Painting, Sculpture, Printmaking,

Textile and Ceramics in each semester. They are encouraged to opt for studio courses as many departments as possible.

Similarly the faculty teaches about 20 to 30 percent of the taught courses offered by the practical Departments of Kala Bhavana both at the UG and PG level.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 2 |
| Associate Professors | 3 | 2 | 1 |
| Asst. Professors | 5 | 4 | 3 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Janak Jankar Narzary
 Qualification : Ph.D
 Designation : Professor
 Specialization : Traditional and Modern Sculpture
 No. of Years of Experience : 33 (Retired on 28th Feb 2013)
 No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- b) Name : R. Siva Kumar
 Qualification : M.F.A.
 Designation : Professor
 Specialization : Early Modern Indian Art (1860-1970)
 No. of Years of Experience : 32 and a half
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) Name : Sanjoy Kumar Mallik
 Qualification : Ph.D
 Designation : Professor
 Specialization : Early modern Indian art with a focus on 1940s in Bengal
 No. of Years of Experience : 16 and a half
 No. of Ph.D./M.Phil. students guided for the last 4 years : 04

- d) **Name** : Soumik Nandy Majumdar
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Far Eastern Art, Functional and traditional arts of India
No. of Years of Experience : 18 and a half
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- e) **Name** : Anshuman Das Gupta
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Modern and Contemporary art, Architecture and Theory
No. of Years of Experience : 16 and a half
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- f) **Name** : Parvez Kabir
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Renaissance Art, and modern Indian art and crafts
No. of Years of Experience : 05 (Passed away on 27 Sept. 2013)
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- g) **Name** : Rishav Gandhar Narzary
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Modern painting and sculpture
No. of Years of Experience : 02
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- h) **Name** : Meghali Goswami
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Art and architecture, of Mughal and North East India
No. of Years of Experience : 2 years in this department

**No. of Ph.D./M.Phil. students
guided for the last 4 years : 12**

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Prof. Dr. Asok Kumar Das

13. Percentage of classes taken by temporary faculty — programme-wise: None

14. Programme-wise Student Teacher Ratio: General Courses = 1:75, Art History Specialization = 1:5.

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Technical Staff | Nil | Nil | Nil |
| Administrative Staff | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

Most members of the faculty are specialists in some aspect of modern and contemporary practices and its history, and thus collectively the history of modern and contemporary art covering the 19th and 20th centuries has become the thrust area of the department. And this specialization has been recognised by both government and non-governmental institutions as reflected in item no. 26 below

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

While the department has not undertaken any project with outside funding two of its faculty has been associated with major projects funded by the government of India or by external funding agencies.

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

- i) R. Siva Kumar was invited by the ministry of Culture, Government of India to curate an exhibition of Rabindranath's paintings that travelled to 9 international museums and 4 national museums with the National Gallery of Modern art serving as the nodal agency.
- ii) R. Siva Kumar was also invited to edit a 4 volume compendium of Rabindranath's paintings under the Rabindra Chitravali project funded by the Ministry of Culture, Government of India in collaboration with Visva Bharati.
- iii) Sanjoy Mallik was invited by the Delhi Art Gallery to curate and write a two

volume catalogue for its exhibition of Chitto Prasad.

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:**
None at the moment; preparing for UGC-SAP in the recent future.
20. **Research facility / centre with**
 - a) **State recognition:** Nil
 - b) **national recognition:** Nil
 - c) **international recognition:** Individually members of the faculty are associated with Asian Art Archive project as resource persons and advisors.
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** None
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals:**
R. Siva Kumar – 17
Soumik Nandy Majumdar – 13
Anshuman Das Gupta – 04
Sanjoy Kumar Mallik – 09
Parvez Kabir – 03
Mehali Goswami – 04
 - b) **Monographs:**
R. Siva Kumar –
 - i) *A. Ramachandran: Selelected works from 1964-2013*, Vadehra Art Gallery, New Delhi, 2013. ISBN: 978-93-80001-63-0**Soumik Nanday Majumdar –**
 - i) Soumik Nandy Majumdar, 'In touch with the real – the art of Rafiqun Nabi' – a book co-authored with Syed Azizul Huq, published by Dhaka Art Centre, Dhaka, Bangladesh, 2013.
 - c) **Chapters in Books:**
R. Siva Kumar –
 - i) 'A Priliminary Note on Khuddur Jatra', *Khuddur Jatra*, Prarikshan, Kolkata, 2009.
 - ii) 'Somnath Hore: A Socialist and Modernist Artist', *Somnath Hore, Prints, Drawings, Posters*, Kala Bhavan and Seagull, Feb. 2011, pp.44-96.
 - iii) 'Rabindranath Tagore como Pintor y Catalizador del Arte Indio Moderno' Redescubriendo a Tagore, Amaranta, Indo-Latin American Cultural Initiative, Bombay in Collaboration with Sahitya Akademi, New Delhi,

2011. ISBN 978-81-921843-1-9, pp. 155-169.

- iv) 'An Extraordinary Cohesiveness', Sudhir Patwardhan The Guild, November, 2012.
- v) 'Santiniketan. Eine Welt-Universität, Raman Siva Kumar in Gespräch mit Regina Bittner und Kathrin Rhomberg', *Das Bauhaus in Kalkutta. Eine Begegnung kosmopolitischer Avantgarden*, Bauhaus Edition 36, Hatje Cantz Verlag, Ostfildern 2013, pp.111-118. ISBN 978-3-7757-3656-5

Anshuman Dasgupta –

- i) In an Unfamiliar Terrain: preliminary notes towards site relationality and the curatorial; "Curatorial: or, the Philosophy of curating" edited by Jean Paul Martinon, Bloomsbury, London, 2013; ISBN: 9781472523167.
- ii) Anshuman Dasgupta Bauhaus Calcutta: essay (reprint) Joint essay with Grant Watson, Take on art Issue 5, August, 2011.
- iii) First Information Report: Contingent / Cultures, essay on Michael Strasser, Verlag, Berlin, Germany, 2010.

Sanjoy Kumar Mallik –

- i) Two essays: (i) "Raja Ravi Varma" & (ii) "Amrita Sher Gil", *Appreciation of Indian Art: selected writings*, Vol 1, [ISBN: 978-93-81325-04-9], Ramakrishna Mission Institute of Culture, Kolkata, July 2011.
- ii) "Revivalism" and the 'Bengal school', *The Art of Bengal*, [ISBN: 978-93-81217-23-8], Delhi Art Gallery, New Delhi, January – March 2012.
- iii) Five essays: (i) "Chittaprosad"; (ii) "Shyamal Dutta Ray"; (iii) "Kshitindranath Majumdar"; (iv) "Rabin Mondal"; (v) "Prosanto Roy"; (vi) Paritosh Sen", *Manifestations VII — 75 artists/ 20th century Indian art*, [ISBN: 978-93-81217-25-2], Delhi Art Gallery, New Delhi, March – June 2012.
- iv) 'In the Image of God, or Man?', *Indian Devine Gods and Goddesses in 19th and 20th Century*, Delhi Art Gallery, New Delhi, 2014, pp. 12-22.

Soumik Nandy Majumdar –

- i) 'Utopia visualized: Paintings of Rabindranath Tagore', *Utopias from Asia : East Asia Intercultural Studies*, Ed. By Konrad Meisig, Wiesbaden, Germany, July, 2012. ISBN: 978-3-447-06794-2.
- ii) 'Subramanyan-er drawing: Bastur praharay, Bastur alakkhye', *Anustup*, Vol 47, No. 1, Autumn 2012.
- iii) Soumik Nandy Majumdar 'Teaching art: In conversation with Jogen Choudhury', Jogen Choudhury Retrospective, Nandan, Kala Bhavana, Santiniketan 11-28 February 2013.

d) Edited Books:**R. Siva Kumar –**

- i) R. Siva Kumar, *The Last Harvest: Paintings of Rabindranath Tagore*, Mapin, Ahamehabad 2011. (With contributions from France Bhattacharya, Uma Das Gupta, Martin Kampchen, Lars-Christian Koch, Rajeev Lochan, Kris Manjapara, O'Connell and William Radice) ISBN 978-81-89995-61-4 (Mapin), 978-1—935677-18-5 (Grantha)

e) Books with ISBN with details of publishers:**R. Siva Kumar –**

- i) *Sensibility Objectified: The Sculptures of Sarbari Roy Chudhury*, Akar Prakar, Mapin and Grantha, Kolkata 2009. ISBN 978-81-81-89995-27-0 (Mapin), and 978-1-890206-03-1 (Grantha).
- ii) *K.G. Subramanyan: Drawings*, The Guild Gallery Mumbai 2010.
- iii) *Rabindra Chitravali: Paintings of Rabindranath*, 4 vols., published by Pratikshan, Kolkata 2011 in collaboration with Visva Bharati and support from the Ministry of Culture, Government of India. ISBN Vol 1: 978-81-89323-30-1, Vol. 2: 978-81-89323-31-1, Vol. 3: 978-81-89323-32-1, Vol. 4: 978-81-89323-33-1, Set:978-81-89323-34-1, Catalogue:978-81-89323-40-0.
- iv) *Ramkinkar Baij*, NGMA and Delhi Art Gallery, New Delhi, Nov. 2012. ISBN 978-93-81217-24-5
- v) *The Paintings of Abanindranath Tagore*, Popular Edition Pratikshan, Kolkata January 2013, ISBN 978-81-89323-49-3.

Sanjoy Kumar Mallik –

- i) *Chittaprosad* - a five-volume set, Delhi Art Gallery (Hauz Khas, New Delhi) coinciding with a retrospective exhibition of the artist, New Delhi, August 2011
 - § monograph in two volumes [ISBN 978-93-81217-05-4]
 - § a facsimile publication of the 1943 “Hungry Bengal” [ISBN 978-93-81217-06-1].
 - § a facsimile of the 1943 sketchbook of 30 portraits of political personalities [ISBN 978-93-81217-07-8].
 - § “Yours Chitta” - translated excerpts from select letters by the artist [ISBN 978-93-81217-08-5].
- ii) *Gopal Ghose a jubilant quest for the chromatic* - NGMA (New Delhi) & Akar Prakar (Kolkata) with MAPIN Publishers (Ahmedabad), 2013 [ISBN 978-81-8995-78-2(Mapin) & 978-1-935677-37-6 (Grantha Corporation, USA)] (Supported by two complementary booklets on sketchbooks by the artist).

Soumik Nandy Majumdar –

- i) *Chhabi Dekhchhi*, Visva Bharati Granthan Bivag, Kolkata, 2009, ISBN 978-81-7522-473-5.
 - ii) *Amra Jokhon Darshok*, Karigar, Kolkata, January 2011, ISBN 978-81-920613-6-8
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
 - 23. **Details of patents and income generated:** Art History is humanities subject and does not patent generating discipline.
 - 24. **Areas of consultancy and income generated:** The consultancy work done by the faculty is all for government institutions or for non-profit research institutions and therefore does not generate income.
 - 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Janak Jankar Narzary –**
- a) Participated on invitation in an national level art camp, organised at Coorg, Karnatak, 2010.
 - b) Participated on invitation in the national level Annual Exhibition of Birla Academy of Art and Culture, 2010.
 - c) Participated on invitation in the national level Annual Exhibition held in New Delhi, organised by All India Art and Cultural Foundation, 2010.
- R. Siva Kumar –**
- a) Delivered two lectures on Abanindranath at the M.S. University, Baroda on the 30th and 31st of Jan. 2010.
 - b) Keynote Address, UGC refreshers course organised by the Government College of Art, Kolkata, 10th November 2010.
 - c) 'The Role of the other in finding oneself anew and some thoughts on Rabindranath's emergence as a painter', paper presented at *A Different Universalism : The Global Vision of Rabindranath Tagore and his Contemporaries* organised by the Netaji Research Bureau and Kolkata Museum of

Modern Art at the Netaji Research Bureau, on 20 and 21st Dec. 2010.

- d) 'Some Thoughts on Rabindranath's Emergence as a Painter', Seminar on Tagore and the Arts, Department of English and Other Modern European Languages, Visva Bharati, January 2011.
- e) Presented two papers on Rabindranath's art (*Rabindranath Tagore as Artist and Catalyst of Modern Indian Art* and *Paintings of Rabindranath Tagore : A Perspective*) as part of the *Santiniketan to Smithsonian Seminar* at the Smithsonian Institute, Washington 28 and 29th May 2011.
- f) 'Shifting Locations: Looking at the World with Artists' Tyeb Mehta Memorial Lecture, Gnanabrabha, Mumbai, 26th July 2011.
- g) 'Meaning and Presence: Learning from Rabindranath's Paintings' Ahmedabad, October 2011.
- h) Curator's Introduction, and gallery talk at the opening of The Last Harvest exhibition at the Asian Art Museum Berlin, 1st Sept 2011.
- i) Gallery Talk, on the occasion of the Tagore exhibition at the Asia Society, New York 15th Sept 2011.
- j) 'Rabindranath Tagore: Artist and Catalyst of Indian Art', National Museum of Indian Art, Seoul, 20th Sept 2011.
- k) 'Meaning and Presence: Learning from Rabindranath's Paintings' Ahmedabad, October 2011.
- m) 'From Interlocutor to Painter: Rabindranath and Modern Indian Art', Indira Gandhi National Centre for Arts, New Delhi, Oct. 2011.
- n) 'The Global Language of Tagore's Paintings', Panel Discussion, Apeejay Kolkata Literary Festival, 11Feb. 2012, Kolkata.
- o) 'Rabindranath Tagore: Artist and Catalyst of Indian Art', National Museum of Indian Art, Seoul, 20th Sept 2011.
- q) Presented paper, 'From Meaning to Presence: Rabindranath's emergence as a painter', Seminar on Rabindranath Department of Cognitive Science, Jadavpur University, Kolkata, 9th April 2012.
- r) Artists on Art: In conversation with K.S. Radhakrishnan, Lalit Kala Akademy, New Delhi, 21st April 2012.
- s) Gallery Talk on Ramkinkar Baij, NGMA, Delhi, 22nd April 2012.
- t) Talk on Rabindranath and Modern Art, on the occasion of International Museums Day, Indian Museum, Kolkata 18th May 2012.
- u) 'Rabindranath's Encounters with Modern Art and his Emergence as a Painter,' Coomarasawamy Memorial Lecture organized by the National Lalit Kala Akademi, at Jaipur Kala Kendra, 22nd Aug. 2012.
- v) Curated, *The Last Harvest: Paintings of Rabindranath Tagore*, for the Ministry of

Culture, Government of India as part of the national celebration of the 150th birth anniversary of Rabindranath Tagore. The exhibition travelled to Berlin, Paris, Rome, New York, Chicago, London, Seoul, Toronto and Kuala Lumpur between September 2011 and 2012. It is currently on show at the NGMA Delhi and will travel to Hyderabad, Mumbai, and Bangalore.

- w) Delivered the Coomarasawamy Memorial Lectures at Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (formerly Prince of Wales Museum), Mumbai, Nov 2013.
- y) Delivered the Coomarasawamy Memorial Lectures at Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (formerly Prince of Wales Museum), Mumbai, Nov 2013.
- z) 'Ramkinkar Baij, Santiniketan and his Tryst with Modernism,' Lecture organized by the Central Lalit Kala Akademi at Cochin, 16th November 2013.
- aa) Participated in 'A Life in Art' Session, Kolkata Literary Festival, Kolkata, 29 January 2014.
- ab) 'Rabindranath's Educational Philosophy and the Art Pedagogy at Santiniketan', lecture delivered to a research group working on a Tagore research project at the Institute of International Visual Arts in collaboration with Goldsmiths College, London, and the Dutch Art Institute in Arnhem, Santiniketan 2nd Feb. 2014.
- ac) 'Abanindranath and Rabindranath: Interactions', International Symposium on Rabindranath and his Interactions with Local/Global Personalities, Visva Bharati, Santiniketan, 21-24 March 2014.

Sanjoy Kumar Mallik –

- a) Three day short course titled "Early Modern Indian Art", *Campus Initiative Program*, Mohile Parikh Centre for the Visual Arts, Mumbai, 26th - 28th August 2011.
- b) Three day lecture series on *Traditional idioms in early modern art: case Studies — Jamini Roy, Nandalal Bose, Benode Bihari Mukherjee* as part of their course titled 'Modern and Contemporary Indian Art History-1850 -2011', Bhau Daji Lad Museum, Mumbai, 16th - 18th March 2012.
- c) Three day lecture series on *Traditional idioms in early modern art: case Studies — Abanindranath Tagore, Gaganendranath Tagore, Nandalal Bose, Benode Behari Mukherjee, Ramkinkar Baij, Jamini Roy, Rabindranath Tagore* as part of their course titled 'Modern and Contemporary Indian Art History-1850 -2011', Bhau Daji Lad Museum, Mumbai, 15th - 17th March 2013.

Anshuman Dasgupta –

- a) Workshop- seminar Paper, "Rethinking international Exhibition", RLV College of Fine Arts Kochi, June 8-9, 2011, Kerala.
- b) Delivered a lecture on Museum and spectatorship – National seminar at College of Visual Arts, Bardhaman University, January 19th 2012 Bardhaman.

- c) Contested spaces and Cartographic challenges International Seminar, Paper “Alien Nation” and video presentation, January 6-9, 2013, Kolkata.
- d) The eye and the ear: Politics of Spatiality , in the seminar Continuity and Discontinuity in Asian Engagement, International seminar, 17-18 Oct- 2013, IIT Guwahati, Guwahati, Assam.
- e) Tagore Pedagogy and Visual Culture, Seminar, webcast,, INIVA March 2014, London.
- f) Tagore Pedagogy and the Networked cultures, Seminar, April 12-13, 2014, NGBK, Berlin

Soumik Nandy Majumdar –

- a) Delivered a lecture on ‘Paintings of E. B. Havell’ at a U.G.C. seminar ‘Re-inventing Havell’ on the occasion of 150th birth anniversary of E.B.Havell organized by Government College of Arts and Crafts, Kolkata on 15th September 2011.
- b) Two lectures on ‘Traditional Western Art’, – part of Art Appreciation programme, Pashchimbanga Charukala, Kolkata, September, 2011.
- c) Delivered a paper on ‘Education at Art College’ at a U.G.C. seminar ‘Art Education and Social Responsibility’ – a seminar organized by College of Visual Arts, Bardhaman on 14th and 15th November, 2011.
- d) Conducted an interactive session on ‘Nuances of Indian Miniature Paintings’ at College of Visual Arts, Bardhaman on 15th November, 2011.
- e) Delivered a paper on ‘Utopian vision in Tagore’s paintings’ at the seminar UTOPIAS FROM ASIA -- an International and Interdisciplinary Symposium in Santiniketan, organized by Institute of Indology, Mainz, Germany, 16th and 17th November, 2011.
- f) ‘Receiving Art: Children as viewers’ – paper presented at *Sublime Expressions: The Art Conclave*, The International Centre Goa, 3rd and 4th October 2012.
- g) ‘Looking at Art: Art Appreciation for children’ – a talk at Art Initiatives Series -11, The International Centre Goa, 5th October 2012.
- h) Two lectures on ‘Modern Western Art’, – part of Art Appreciation programme, Pashchimbanga Charukala, Kolkata, 19th and 20th November, 2012.
- i) ‘Art of Benode Behari Mukherjee’ – a presentation at Ramkrishna Mission Institute of Culture, Kolkata, February, 2013.
- j) Delivered two illustrated lectures on ‘The Developments in Modern Western Art’, – Art Appreciation programme, Pashchimbanga Charukala, Kolkata, 5th and 6th September, 2013.

- k) Delivered a paper on 'Signs of Bengal Post-modernity' at a Seminar entitled *Traditional art of Bengal and Post Modernism* held at Pashchimanga Bangla Academy, Kolkata, 16th September 2013.
- l) Delivered a lecture-presentation on 'Indian Folk art – Playing with time', Emami Chiesel Art, Kolkata, 21st December 2013
- m) Delivered a lecture-presentation titled 'Changing world of folk art', at a National Seminar on *Changing Views on Indigenous Art Vis-A-Vis The Context of Present Art Practice* organized by Lalit Kala Lucknow, at Fine Arts Faculty, M. S. University, Baroda, 21st February 2014.

Syed Parvez Kabir –

- a) Eight lectures on 'Theories of Perception' at S.N.School, Hyderabad Central University, 04th-15th Oct, 2010.
- b) Four lectures and a workshop on 'Material Culture' at N.I.D, Ahmedabad, 30th Jan- 8th Feb, 2011.
- c) Presented a paper on 'The Subject of Archives' Seminar, at S.A.A, J.N.U, New Delhi, 16th March, 2011.
- d) Conceptualized and Coordinated [with Sanchayan Ghosh] a national level workshop on 'The Presence of Past' at Kala Bhavana, Santiniketan, 01st-08th March, 2011.
- e) Participated in the 'Conquest of the World as Picture' Seminar at S.A.A, J.N.U, New Delhi, 23rd-24th March 2011.

Mehali Gosawmi

- a) Attended National Camp of Painting, Patna Lalit Kala Akademi, 2014.

26. Faculty serving in a) National committees, b) International committees, c) Editorial Boards, d) Any other (please specify):

Janak Jankar Narzary –

- a) Delhi Door Darshan made a documentary film on me Titled "The Life and Work of Janak Jhankar Narzary, 30 minutes.
- b) Appointed as external expert member of selection committee, Tripura University, 2010.
- c) Appointed as external expert member of selection committee, Rabindra Bharati University, 2011.
- d) Member of the syllabus modification committee (fine Art) of NET, UGC, 2010.

R. Siva Kumar –

- a) R. Siva Kumar nominated member of the Lalit Kala Akademi, New Delhi 2008-2011, also advisor to the Asian Art Archives and its documentation projects in India.

Sanjoy Kumar Mallik –

- a) Sanjoy Kumar Mallik have been associated as a resource person with the Asian Art Archives programmes in India.

Anshuman Das Gupta –

- a) Tagore Pedagogy and Visual Culture, Goldsmith's College , London and NGBK Berlin

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

The Faculty is academically recharged through participation in Orientations and Refresher Programmes, as well as through exchange of ideas with peers in other institutions both in India and abroad. (Please see Nos. 25 and 26 above for details about opportunities the faculty has had for informal peer interaction through symposia and conferences etc.)

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** All post-graduate students are encouraged to take up special areas of documentation as part of their MFA dissertation project. About 75% of the students go for this rather than purely theoretical work. All students coming from other disciplines and doing a 3 year Art History MFA with one year Bridge Course are required to do a research project as part of their MFA dissertation project.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** None

29. Awards / recognitions received at the national and international level by**a) Faculty:**

- i) R. Siva Kumar was awarded the Kesari Puraskaram for 2010 contribution to art writing by the Kerala Lalit Kala Akademi.
- ii) R. Siva Kumar was awarded the Manojmohan Smarak Puraskar 2013, for the book *Ramkinkar Baij*, the Pashimbanga Bangla Akademi.
- iii) R. Siva Kumar was felicitated with a plaque of special honour for his contribution to art history by the Dhaka University Jan 2013.
- iv) [Late] Parvez Kabir was awarded with the Nehru Fellowship for the year 2011-12 to research at the Victoria and Albert's Museum, London, for three months on the subject of 'The Discourse of Craftsmanship in 19th century India'.
- v) [Late] Parvez Kabir was awarded the Jawaharlal Nehru fund fellowship for research at the Victoria and Albert Museum, London.

- vi) Janak Jankar Narzary was awarded the Pranab Barua Art Award in 2012.
- b) **Doctoral / post doctoral fellows:** None
- c) **Students:**
 - i) Madhuparna Midya one of our MFA students was awarded National Cultural Scholarship this year which is usually awarded only to students specialising in practical subjects.
 - ii) The following 4 Ph.D research scholars enrolled in the department during the assessment years have been awarded UGC Net Lectureship: Priti C Natriyang, Amitabha Adhikari, Rishab Gandhar Narzary, and Arindam Mondal.
 - iii) The following 3 Ph.D students enrolled for PhD in the department during the assessment years have UGC Net Fellowship: Syed Parvez Kabir, Arkaprava Bose, Sritama Haldar.
 - iv) Several of our students have been selected for internships by art galleries and for projects like the KHOJ international residency project.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

National Seminar on E. B. Havell and Art Education in India, on the occasion of Havell's 150th birth anniversary, January 15th and 16th 2013.

31. Code of ethics for research followed by the departments:

The department follows the standard code of ethics in social science research. Since art history deals with art objects and not people the main issues are that of risk minimization in the handling of original and archival material, academic accountability and transparency, ethical use of archival materials in the public domain and in the area of private research when accessible and maximization of public access and dissemination of knowledge. The department also tries to ensure that the research done by its students are original and not plagiarised.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|------------|-----------|----------------------|--------|
| | | Male | Female | Male | Female |
| B.F.A. – 2009 | | 1 | 4 | 100% | 100% |
| B.F.A. – 2010 | | 1 | 1 | Course not completed | |
| B.F.A. – 2011 | | 1 | 3 | | |
| B.F.A. – 2012 | | 1 | 3 | | |
| B.F.A. – 2013 | | Foundation | Foundatio | | |

| | | Course | n Course | | |
|---------------|----|--------|----------|----------------------|------|
| M.F.A. – 2009 | 19 | 4 | 5 | 100% | 100% |
| M.F.A. – 2010 | 14 | 7 | 4 | 100% | 100% |
| M.F.A. – 2011 | 28 | 2 | 5 | 100% | 100% |
| M.F.A. – 2012 | 23 | 4 | 5 | Course not completed | |
| M.F.A. – 2013 | 25 | 3 | 5 | | |

Admissions to BFA are made through a common aptitude test conducted by Kala Bhavana, specializations are opted for and made by the selected students only in the second year.

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|--|---|---|--|------------------------------------|
| M.F.A. – 2009 | 50 | Nil | 37.5 | 12.5 |
| M.F.A. – 2010 | 18.18 | 9.09 | 54.54 | 18.18 |
| M.F.A. – 2011 | 28.57 | Nil | Nil | 71.42 |
| M.F.A. – 2012 | 44.44 | 11.11 | 33.33 | 11.11 |
| M.F.A. – 2013 | 37.5 | Nil | 50 | 12.5 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: 3 students with UGC-NET.

35. Student progression:

| Student progression | Percentage against enrolled |
|---|--------------------------------------|
| UG to PG | 95%* |
| PG to M.Phil. | There is no M.Phil Course |
| PG to Ph.D. | 70%* |
| Ph.D. to Post-Doctoral | Nil |
| Employed • Campus selection • Other than campus recruitment | There is no campus selection 100% |
| Entrepreneurs | Nil |

* Not necessarily in this department or university, about 50% of its students go to other universities for further studies.

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 25% |
| from other universities within the State | - |
| from universities from other States | 75% |
| from universities outside the country | - |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 01

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Department does not have a separate library; the Bhavana library and the University library are the resource options available to the Department.
- b) **Internet facilities for staff and students:** University network and a BSNL broadband connection are available. Students are allowed to share these with the faculty due lack of separate dedicated infrastructure.
- c) **Total number of class rooms:** 04
- d) **Class rooms with ICT facility:** None
- e) **Students' laboratories:** As a Fine Arts college we do not have labs but art history students in this department are encouraged to do studio work so that they have a hands on familiarity with the various technical process and the different mediums.
- f) **Research laboratories:** None as it is a centre for theoretical studies in humanities.

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university:

Doctoral Students: Rishav Gandhar Narzary, Arindam Mandal, Arka Prava Bose, Ruma Karmakar, Syed Parvez Kabir, Priti C Nartiyang, Sritama Halder, Shreya Mukherjee.

b) from other institutions/ universities :

Doctoral Students: Amitava Adhikari, Okika Chakrabarti, Swati Biswas, Samir Isha.

Post Doctoral: Dr. J. Kedareswari.

40. Number of post graduate students getting financial assistance from the university: 3 post graduate students receive the universities merit scholarship and 3 students receive university stipends. 3 students have received national cultural scholarships.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes

As Art History is essentially a theoretical humanities subject and not a subject that directly serves community needs a direct needs assessment cannot be done. However the department uses informal and indirect needs assessment like (1) faculty brainstorming sessions, (2) input from peer groups, and (3) paradigm shifts in the global discourse of art history to reframe its own programme.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:

Through the Department Faculty meetings & BOS meetings; the inputs are integrated into the course patterns during redesigning/revisions.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:

There are periodic student teacher meets to discuss academic issues and the faculty uses these meetings to assess its programmes and make necessary corrective steps. But there are no formal evaluation of the faculty or programmes by the students.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

External feedback from Subject experts is accessed through the Board of studies and institutional/employers feedback is obtained through the Institute Board which has academic members from other disciplines. Their approval of the Department's programmes is mandatory.

43. List the distinguished alumni of the department (maximum 10):

In India:

- a) Jaya Appasamy
- b) Parul Dave Mukherjee
- c) Sohini Dhar
- d) Shreyasi Chatterjee
- e) Syed Parvez Kabir
- f) Kirtana Thankavellu

Outside India:

- a) Pritwish Neogy
- b) Dipanjana Klein
- c) Hans Ramduth
- d) Punam Madhok

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

The department organizes at least 3 or 4 lectures by visiting scholars every year and conducts workshops in art writing etc. whenever possible.

45. List the teaching methods adopted by the faculty for different programmes:

Illustrated lectures, group discussions, seminar presentations by students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Individual efforts from each faculty member, with periodic discussion in Department meetings & discussions.

47. Highlight the participation of students and faculty in extension activities:

The students actively participate in the Nandan Mela the annual art fair that is organised to bring the art institution and the community together, and also work as interns for various galleries participating in events like the Indian Art Fair, New Delhi. Almost all faculty members deliver lectures on art in related humanist faculties and for the benefit of non-professional audiences organized. Soumik Nandy Majumdar, one of our faculty members is also active in programmes related to art teaching in schools, and interact with art teachers in schools in different parts of India.

R. Siva Kumar is involved with the programme for the documentation and study of art education in India undertaken by the Indian Foundation for Art and Education.

48. Give details of “beyond syllabus scholarly activities” of the department:

Both the faculty and the students bring out art publications annually. The faculty journal is called *Nandan* and the student journal is titled *Searching Lines*. *Nandan* was 1st published in 1977 and has since emerged as a well received art journal.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:

Not accredited/graded by any agency at the moment. However the institution has figured prominently in the annual survey of educational institutions conducted by the media annually and has been declared the best art institute this year.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The faculty of this department has played an important role in redefining the history of early modern Indian art during the last 15 years and contributed significantly to the discourse on modernism and contemporary Indian art.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) The department has a body of teachers who cover the entire span of modern and contemporary art between them. This makes it a major centre of study of modern art in India.
- ii) The department has made significant contributions to modernist discourse in India.
- iii) It has a strong component of Far Eastern courses in its syllabus. This makes it one of the few places where Indian, Western and Far Eastern art history is taught in equal strength.
- iv) It offers courses on the folk and the non-professional arts alongside those on high art, classical traditions and modern art. This is also not very common in the Indian context.
- v) The discourse on art history in Kala Bhavana began with theoretical issues raised by practicing artists and the relation between history, theory and practise continues to exercise its academics.

b) Weaknesses –

- i) Class room space has not increased proportionately with the intake of students, and it is one of the department's major problems.
- ii) There is a shortage of both academic and non-academic staff.
- iii) The department is not as well served with the latest documentation and audio-visual equipments.
- iv) The department does not have archival staff although the teachers have put together a considerable amount of archival material.
- v) Located away from the urban centres it is not in a position to make use of facilities available outside it.

c) Opportunities-

- i) As an institution with a well thought out and tested foundation it has a long history and unique legacy in art education planning to build upon.
- ii) The department is part of an art college with a number of courses in studio practice which allows its students and faculty to exchange notes with practicing artists and exchange notes with them. This is not possible where art history is taught without contact with art practice.
- iii) Being a single campus university the campus offers immense opportunities for informal and freewheeling interdisciplinary exposure.
- iv) With many specialised libraries, a good mix of students from different parts of India and abroad, and an unhurried pace of life the campus offers an ideal environment for serious scholarly pursuits.

- v) The existence of craft training programmes and an art school in proximity provides an appropriate milieu for studying art-craft interaction which has been a distinctive contribution of early Santiniketan.

The challenge is in this context twofold: 1. Not to be either complacent or cow downed by the past achievements, and 2. Try to achieve high intellectual standards with little infrastructure support, especially since its location denies ready access to the resources of other institutions.

d) Challenges-

- i) Like every other department of Kala Bhavana matching up to its own legacy is a constant challenge for the faculty of this department.
- ii) The practice of Art History teaching in Santiniketan was had two stands, one closely related to the founding ideas the Viennese School coming through Stella Kramrisch who was the first Art Historian who taught in Santiniketan and the other coming from the practice informed discourse which was developed by Nandalal and Benodebehari, striking a balance between these stands would be a worthwhile challenge for the faculty to undertake.
- iii) With the globalization of economy and market effecting art practices and presentations there is a clear paradigm shift underway, responding to this shift without losing its local strengths and engagement would be another challenge.
- iv) On a more practical level the department has to strive to meet its infrastructural needs at various levels.
- v) To achieve high intellectual standards with whatever infrastructure support it can marshal, especially since its location denies ready access to the resources of other institutions.

52. Future plans of the department:

To build a more comprehensive visual archives to serve both pedagogy and research; increase the stress on research and documentation for both staff members and students so that the departmental focus is primarily laid on knowledge generation rather than pedagogic dissemination of information; to widen the scope and possibilities of the discipline of Art History within the limits of institutional teaching-learning modules so as to incorporate more of recent methodological apparatus and polemical directions; increase the amount of interaction with scholars beyond the regular staff members in the teaching community so that a greater diversity of interest and research can be encouraged among the students.

Evaluative Report of the Department of Design

1. **Name of the Department :** Design
2. **Year of establishment :** The Department was started informally since from the inception of Kala Bhavana, i.e. 1919. Formally Department of Design takes its present identity as a full fledged Department in the year 1980.
3. **Is the Department part of a School/Faculty of the university?** Faculty of Fine Arts Kala-Bhavana, Visva-Bharati University, Santiniketan.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
The department has three wings.
 - a) Specialization in Textile Design, The courses offered are UG (BFA) PG (MFA), Ph.D.
 - b) Specialization in Ceramic & Glass Design. The courses offered are UG (BFA) PG (MFA) Ph.D.
 - c) Two year Certificate Course in Design.
5. **Interdisciplinary programmes and departments involved:** With Rabindra Bhavana and EVS in Tagore Studies and Environmental Science courses.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
Recently the Department of Design, precisely Kala Bhavana as a whole, opens its academic horizon and offers the opportunity to the students of recognise Universities/Institutions (Indigenous & abroad) to get admission himself/ herself in the appropriate course, in choice based Semester system and vice-versa.
Department may mention that one student from France registered her studentship in the 2nd semester, MFA course (Textile Design) in January, 2013.
Students of this Department have been selected for choice based Semester for Exchange programme in abroad Universities in this current academic session and return back after completion of one semester course. In 2014 also two students of this Department have been selected for choice based Semester for Exchange programme in abroad Universities in this current academic Semester. The Department has received

one student in Ceramic Design under the in choice based Credit Transfer Semester under the International Student Exchange programme in 2014-15.

7. **Details of programmes discontinued, if any, with reasons:** N.A.
8. **Examination System:** Annual / Semester system / Trimester / Choice Based Credit System.
9. **Participation of the department in the courses offered by other departments:** History of Art. Department of Environmental Studies, Rabindra Bhavana.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|---|
| Professor | 2 | 2 | Total : 4 Among four, two are promoted by CAS. |
| Associate Professors | 2 | 1 | Total : 3 Among three, two are promoted by CAS. |
| Asst. Professors | 10 | 10 | Total : 6 Among ten Sanctioned post, four are promoted by CAS to the higher scale. |
| Others | 2 | 2 | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Ashok Bhowmik
Qualification : Diploma in Painting
Designation : Professor
Specialization : Painting
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) **Name** : Sisir Sahana
Qualification : BFA in Painting & MFA in Painting from Kala Bhavana, Visva Bharati.
Advanced Diploma in Stained Glass

- | | | |
|--|---|-----------|
| Designation | : | Professor |
| Specialization | : | Painting |
| No. of Years of Experience | : | 24 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- c)
- | | | |
|--|---|------------------|
| Name | : | Goutam Kumar Das |
| Qualification | : | B.F.A. |
| Designation | : | Professor |
| Specialization | : | Design Ceramic |
| No. of Years of Experience | : | 19 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
- d)
- | | | |
|--|---|---------------------|
| Name | : | Sakshi Gopal Das |
| Qualification | : | D.F.A. |
| Designation | : | Associate Professor |
| Specialization | : | Design Textile |
| No. of Years of Experience | : | 24 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- e)
- | | | |
|--|---|---|
| Name | : | Prasun Kanti Bhattacharya |
| Qualification | : | B.Sc.(Chem.Hons), Dip. In Painting, Dip.in Teachership. |
| Designation | : | Professor |
| Specialization | : | Painting & Textile Design |
| No. of Years of Experience | : | 32 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
- f)
- | | | |
|--------------------------------------|---|---|
| Name | : | Debashish Mahalanobish |
| Qualification | : | M.Sc. (TextileDesign), B.Sc.(Fashion Design); Dip. In Handloom Technology, Post Dip. in Textile Chemistry, Dip. in H/L Co.Op Management. |
| Designation | : | Associate Professor |
| Specialization | : | Textile & Fashion Design, Handlooms & Textiles. |
| No. of Years of Experience | : | 23 |
| No. of Ph.D./M.Phil. students | : | |

- guided for the last 4 years : 01
- g) **Name** : Krishnendu Bag
Qualification : B.F.A.
Designation : Assistant Professor
Specialization : Textile Design
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- h) **Name** : Madi Linda
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Ceramic Design
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Debashish Das
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Ceramic Design
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- j) **Name** : Anupam Choudhuri
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Ceramic Design
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- k) **Name** : Archana Das
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Ceramic Design
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- l) **Name** : Bhavna Khajuria Basumatari
Qualification : M.F.A.
Designation : Assistant Professor
Specialization : Ceramic Design
No. of Years of Experience : 15
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- m) **Name** : Banatanwi Dasmahapatra
Qualification : M.F.A., Ph.D. in Progress
Designation : Associate Professor
Specialization : Textile & Fashion Design, Handlooms & Textiles
No. of Years of Experience : 6
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
 N.A.

13. **Percentage of classes taken by temporary faculty — programme-wise:** N.A.

14. **Programme-wise Student Teacher Ratio:** Approximately 12:1.

15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:**

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Technical Staff | | | |
| Administrative Staff | 02 | 02 | 02 |

16. **Research thrust areas as recognized by major funding agencies:**
 N.A.

17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**
 N.A.

18. **Inter-institutional collaborative projects and associated grants**

a) **National collaboration:**

b) **International collaboration:**

Inter-institutional collaborative projects done internationally with many universities but without any grants received.

List includes.

- i) Faculty of Fine Arts Silpakorn University Bangkok, Thailand 2004-2010.
- ii) Faculty of Fine Arts Dhaka University Dhaka, Bangladesh 2010-2012.

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:**
N.A.
20. **Research facility / centre with**
 - a) **State recognition:**
 - b) **national recognition:**
 - c) **international recognition:**

N.A.
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** N.A.
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals:**
Prof. Prabir Kumar Biswas – 03
 - b) **Monographs:**
 - c) **Chapters in Books:**
 - d) **Edited Books:**
 - e) **Books with ISBN with details of publishers:**
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**

N.A.
23. **Details of patents and income generated:** N.A.
24. **Areas of consultancy and income generated:**
N.A.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:
N.A.

26. Faculty serving in a) National committees, b) International committees, c) Editorial Boards, d) Any other (please specify):

Prof. Goutam Kr. Das –

- a) Act as an IBO Examiner, Pathway World International School, Gurgaon, New Delhi.
- b) Invited as a chief guest and participated in an exhibition in Sri Lanka, Oct, 2012.

Prasun Kanti Bhattacharya –

- a) Act as a Coordinator for the Semester Ordinance & Syllabus Committee.

Debasish Das –

- a) Act as a Committee member of Admission selection of Foreign Nationals student at Kala Bhavana.
- b) Act as a Committee member of Cultural Programs, Exchange Programs & Various Workshop.
- c) Act as a Committee member of Moldanga Development.
- d) Appointed as an Examiner by University of Kolkata for the M.V.A examination, 2013 at Govt. college of Art & Craft, Kolkata.

Archana Das –

- a) 2009-2012: College of Art & Craft, Faculty of fine arts, Lucknow University, Invited as a subject expert, in Ceramic discipline.
- b) 2010: Dept. of Plastic Art, Faculty of Visual Art, B.H.U Varanasi invited as a external examiner in practical subject B.F.A in pottery Ceramic.
- c) 2010-2013: Indira Gandhi open University invites as theory paper examiner in fine arts.
- d) 2011: Participated as a UGC academic staff college university of Lucknow, UGC sponsored Refresher Course.

Debashish Mahalanobish –

- a) Acted as the member of the State Level Painting Competition on Energy Conservation, organized by D.V.C.

Bhavna Khajuria Basumatary –

- a) Appointed by Visva-Bharati University as an External Examiner for the practical examination of the Design (Ceramics) Department of Kala Bhavana, 2012.
- b) Appointed by Visva-Bharati University as an External Examiner for the practical examination of the Design (Ceramics) Department of Kala Bhavana, December, 2010.

- c) Appointed by Visva-Bharati University as an External Examiner for the practical examination for Ceramics in Shilpa Sadana, May, 2010.
- d) Appointed as Vice-Principal (Campus) of Kala Bhavana, Visva-Bharati, Santiniketan, 2013.
- e) Appointed member of Karmi-Mondali, Visva-Bharati, Santiniketan, 2013.
- f) Appointed member of NAAC Core Committee, Visva-Bharati, Santiniketan.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Faculties time to time recharging themselves by orientation programmes, refresher programme, workshop and other similar programmes

Prof. Sisir Sahana –

Solo Exhibitions:

- a) 2010: Forum Art Gallery, Chennai.
- b) 2011: Gallery Ganesha, Delhi.
- c) 2012, 2011, 2010: Kalakriti Art Gallery, Hyderabad.
- d) 2011: Gallery Sumukha, Bangalore.
- e) Attended many group shows, Workshops in India and Bangladesh, Bali and Switzerland.

Film Making: Feature film (Direction):

- a) Directed two feature films, one is on the life of an artist named Prithvi in Bengali and Telugu. Film was shown in Kolkata International Film Festival, Dhaka International Film Festival, Kochi International Film Festival and many places.
- b) Maati-O-Manush (The Soil and the People), is another feature film Directed and Produced by Sisir Sahana in 2009 in Bengali.
 - Received a Jury Award from The New Hope Film Festival, USA in 2010.
 - Received Nomination in The Religion Today Film Festival, Italy, 2010.
 - Shown in Kolkata International Film Festival, Kolkata, 2009.
 - Kochi International Film Festival, Kerala, 2010.
 - Rainbow Film Festival, London, 2010 and many places.

Documentary Film:

- a) Directed a documentary film on an artist Suryaprakash titled ‘Suryaprakash: A journey through Life and Art in 2012. Selected for screening in New Hope Film Festival, USA, 2013.
- b) Directed and Produced a documentary film named: ‘Nandan Mela, Kala-Bhavana and Santiniketan – a collective spirit’.

Prof. Ashok Bhowmik.

- a) Solo Exhibition of Painting at Nandan Art gallery, Kala Bhavana, Santiniketan, 2010.

- b) Solo Exhibition of Painting at Birla Academy, Kolkata, 2009.
- c) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2010
- d) Invited Participant 50Th. Anniversery of Society of Contemporary Artist, Birla Academy Art and Culture, Kolkata, 2009
- e) Invited Participant at the Annual Exhibition, of Akademy of Fine Arts, Kolkata January 2009-2010
- f) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2009.
- g) Participated in Art Camp, at Holdia, 2009.
- h) Participated Art Camp, Organized by Soceity of Visual Art And Design, Santiniketan, 2010.
- i) Participated in an Art Workshop at DHAKA, 2011.
- j) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2011
- k) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2010.
- l) Participated Art Camp, Organized by Society of Visual Art And Design, Santiniketan, 2011.

Prof.Goutam Kr. Das –

- a) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2009.
- b) Participated in Art Camp, at Holdia, 2009.
- c) Participated in National Ceramic Mural Camp, Organized by Bhubaneswar Lalit Kala Centre, 2009.
- d) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2010
- e) Invited Visiting Lecturer in the Department of Design IIT Gowahati, 2009.
- f) Invited Visiting Lecturer in the Department of Art, The Doon School, 2009.
- g) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2010.
- h) Participated Art Camp, Organized by Society of Visual Art And Design, Santiniketan, 2011.
- i) Participated in an ONGI ULSAN INTERNATIONAL CERAMIC EXHIBITION in South Korea in the year 2010.
- j) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2011
- k) Participated Art Camp, Organized by Society of Visual Art And Design,

Santiniketan, 2010.

- l) Participated in an Art Workshop, Silpakorn University, Bangkok, Thailand, 2009, as an Exchange University Program.
- m) Participated in an Painting Art Workshop, Burafa University, Bangkok, Thailand, 2009, as an Invited Artist.
- n) Participated in Pohchang 8th International Art festival & workshop in Thailand, organized by the Raja Mangala University, Thailand, 2012.
- o) Indo-Bongo International Art Workshop, sponsored by Ministry of culture, Govt, of India, to celebration the 150th Birth Anniversary of Rabindranath Tagore, May, 2012.
- p) Invited to participate 27th Asian International workshop in Krabi, Thailand 9-17 January 2013.
- q) Participate 27th Asian International Art Exhibition at Ratchamnoen contemporary Art Centre, Bangkok, Thailand January 19, March 22, 2013.
- r) Invited and participated in the International Ceramic workshop along with two of my M.F.A. Students, organized by, Silpakorn University, 2013.
- s) Invited and participated in Pohchang 9th International Art Festival & workshop in Thailand, Organized by the Raja Mangala University, 2013.
- t) Invited and participated in the 1st International Art workshop & exhibition at Naresuan University, Phitsanulok, Thailand 2013.
- u) Invited and participated in the 1st International Art workshop & exhibition at Sanghai and Changhu, China, 2013.

Prasun Kanti Bhattacharya –

- a) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2009.
- b) Participated in Art Camp, at Holdia, 2009.
- c) Participated Art Camp, Organized by Society of Visual Art And Design, Santiniketan, 2010.
- d) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2010
- e) Participated in an Art Workshop & Seminar at DHAKA UNIVERSITY, DHAKA, 2011, as an Exchange University Program.
- f) Participated in Kala Bhavana Teachers' Workshop on Painting, at Kala Bhavana, Visva Bharati, 2010
- g) Participated Art Camp, Organized by Society of Visual Art And Design, Santiniketan, 2011.
- h) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata January 2011.

- i) Participated in an Art Workshop, & Seminar at Dhaka University, Dhaka, 2011, as an Exchange University Progr.
- j) Participated in the Kala Bhavana Teachers' workshop on Painting at Kala Bhavana, Visva Bharati, 2011.
- k) Participated in Art Camp, organized by Society of Visual Art & Design, Santiniketan, 2011.
- l) Invited Participant at the Annual Exhibition, Birla Academy Art and Culture, Kolkata, January, 2011
- m) Invited Participant in an Painting Art Workshop cum Exhibition, & Seminar at Burapha University, Thailand, 2011.
- n) Invited Participant for the 4 (Four) Day Series of Lecture Demonstration & Art Work Shop on "Textile art" & Interact with the Students and the Faculty Members of Doon School, Dehradun, Feb 2012.
- o) Participated in an International (Thai-India) Painting Exhibition at Salt Lake, Kolkata, Organized by International Educational Institution of Indismart Group, in Collaboration with the Santiniketan Society of Visual Art and Design.
- p) Participated in the Kala Bhavana Teachers' Workshop , on Etching organized by Kala Bhavana Teachers' at Somnath Hore's Early Residence, Sep 2012.
- q) Participated in a Painting Workshop, "Mallar - II" organized by Techno India Group, in Collaboration with the Santiniketan Society of Visual Art and Design, Sep 2012.
- r) International Workshop-cum-Exhibition, Fine Art and Applied Art Faculty, Burapha University, Thailand. 2012
- s) Thai-India International Workshop. Aug 2011, Organized by Indismart Group & SSVAD, Santiniketan. 2012,
- t) Seminar, Lecture Demonstration on Art & Design& Painting Workshop, Naresuan University, Thailand, July 20th to Aug 4th. 2012.
- u) Invited as a guest Artist for the Art Work-Shop with the Students and the Faculty Members of Naresuan University, Thailand. 2012,
- v) Participated in the Kala Bhavana Teachers' Workshop, on tapestry organized by Kala Bhavana Teachers'.
- w) Participated in the Kala Bhavana Teachers' exhibition at Lalit Kala academy, New Delhi, on 24 to 30 Oct 2013 & Sangit Kala Academy, Patna, Bihar, Nov 2013

Krishnendu Bag –

- a) Participated in an Art Workshop (Textile), Silpakorn University, Bangkok, Thailand, 2009, as an Exchange University Program.
- b) Participated as an Invited Artist, in an Art Workshop, Faculty of Fine and Applied Arts, Burapha University, Bangkok, Thailand, 2009,.

- c) Participated in the national level workshop organized by Department of Design, Kala-Bhavana, Visva-Bharati on “Manjusha Art and its impact on contemporary Society”, 11th to 12th August 2011.
- d) Participated in Kala-Bhavana teacher’s Workshop on Ceramics, at Design Department, Kala-Bhavana, Visva-Bharati, from 5th to 12th September 2011.
- e) Attended the national level Seminar and Workshop on traditional Banarasi Handloom Fabrics, organized by Design Department, Kala-Bhavana on 22nd to 23rd March, 2005.
- f) Acted as a resource person in the ‘Workshop Cum Batik Training’ at Visva-Bharati, Santiniketan on 12/02/2012, organized by Visva-Bharati Adhyapak Sabha, Visva-Bharati, Santiniketan.
- g) Participated in Kala-Bhavana Teachers Workshop in Etching, 5th September to 11th September 2012 at Somnath Hore Artist Residence, Lalbandh, Santiniketan.
- h) Acted as a resource person and convenor in the Inter Disciplinary Kalamkari and Vegetable Dyes workshop at Kala-Bhavana, Visva-Bharati from 6th to 21st November 2012.

Debasish Das –

- a) Participated at “SUFT” show at AIFACS. 2010, New Delhi.
- b) Participated in “3Ds” a group show organized by Gallery Ensign. 2011. New Delhi
- c) Participated in “Creative Idioms” a group show Curates by Seema Subbanna. 2012. New Delhi
- d) “TOGETHER” – an exhibition of Paintings, Prints, Ceramics’ & Sculptures by Artists from Delhi, from 25th Nov. to 1st Dec. 2012, at LKA Galleries, N.Delhi.
- e) “Ghummakkar” – a group show of Modern & Contemporary Art, at LKA Galleries, New Delhi, from 27th Dec. 2012 to 2nd January 2013.
- f) “Akhil Bharatiya (ceramic) Mati Pradarshani” at Bharat Bhavan , Bhopal on 15th February to 5th March.
- g) Participated in a group show organized by Aranna Publishers for One year Celebrating Presidency of Pranab Mukherjee, at Kolkata & Delhi, 2013.
- h) Participated in a workshop on 5th September, Occasion of “teacher’s day” at Malancha, Santiniketan.
- i) Participated in the Decoration for “Gurudeva Smaran and Vriksharopon Utsav” 2013 & “Mandir” Decoration.
- j) Attend the occasion of the 153rd Birth anniversary of Rabindranath Tagore at Victoriya Memorial Hall, Kolkata, 2013.
- k) “Praxis” A Group Show at Lalit Kala Academy, New Delhi- 2013.
- l) “Praxis” A Group Show at Lalit Kala Academy. Patna. 2013.
- m) Attend the occasion of the Inauguration of Kinkar Udyan, 2013.

- n) National Camp of Lalit Kala Academy at Puduchery 2010.
- o) “Rabindra Bhavan Swaraj Park “terracotta Camp” at Bhopal 2010 .
- p) Service rendered apart from normal duties as an Assistant Professor towards University :
 Making physical verification of Kala-Bhavan Museum Collection 24th November. to 30th November. 2013.
 Attended to the Gagan Abani recipients at Convocation- 6th November-7th November, 2013, With An Artist Vivan Sundaram. at Amra kunjoo, at Santiniketan, West Bengal .
 Residency program:
 A NIV ART PROJECT “JUNK 2 INBOX” IN 15 DAYS RESIDENDC AT NEB SARAI, NEW DELHI, 2012.

Anupam Chowdhury –

- a) Work Shop on Textile Design, 2013 in Santiniketan, Kala Bhavana.
- b) Solo Exhibition in Doon School - 2013 , Work Shop in Design Department IIT Guwahati- 2009, Annual Exhibition in Fine Arts Academy, Kolkata, 2009
- c) Group Exhibition, Kala-Bhavana, Nandan, - 2008. Annual Exhibition in Nandan, 2005 Kala Bhavana, International Work shop and Exhibition in Shilong (2004)
- d) “Praxis” A Group Show at Lalit Kala Academy, New Delhi. 2013
- e) “Praxis” A Group Show at Lalit Kala Academy. Patna.
- f) Participated in a workshop on 5th September, Occasion of “teacher’s day” at Malancha, Santiniketan.
- g) Acting as a Worden at Kala Bhavana Boys Hostel & Kala Sangeet Boys Hostel.

Archana Das –

- a) 2010: Regional ceramic camp, organized by Lalit Kala Academy, Lucknow.
- b) 2010: Eighth National Art Festival, organized by Lalit Kala Academy, New Delhi at Aizawl, Mizoram.
- c) 2013: “Praxis” A Group Show at Lalit Kala Academy, New Delhi.
- d) 2013: “Praxis” A Group Show at Lalit Kala Academy Patna. 2013.
- e) 2013: Participated in a workshop on 5th September, Occasion of “teacher’s day” at Malancha, Santiniketan.
- f) 2013: Participated in the Decoration for “Gurudeva Smaran and Vriksharopon Utsav” 2013 & “Mandir” Decoration.
- g) 2001-2012: Freelance ceramic artist working in ceramic workshop regional Lalit Kala Akademi, Lucknow.

Debashish Mahalanobish –

- a) Participated in the Workshop on ‘Sara Paintings’ organized by EZCC, Ministry of Culture, Government of India, 2011.

- b) Participated in the National level seminar and presented paper on 'Craft Tourism: scope for sustainable livelihood of folk / tribal artists and artisans', organized by Kalamandir, Jamsedpur, Jharkhand, 2012.
- c) Acted as external resource person and expert in the National level Workshop on 'vernacular Architecture based on folk / tribal craft and painting --- tradition of Jharkhand' organized by Kalamandir, Jamsedpur, Jharkhand, 2012.
- d) Participated in the Workshop on 'Folk painting of Jharkhand', organized by EZCC, Ministry of Culture, Government of India, 2011.
- e) Participated and presented paper in the National level Workshop and Seminar on 'Vegetable dye and its application on textiles', organized by department of Silpa Sadana, Visva-Bharati, 2011.
- f) Participated in the State level Workshop and Seminar, organized by Gurusaday Museum, Kolkata and presented paper on 'Alpana : the aura of the women's spirit'.
- g) Invited and acted as the resource person and expert to impart the training in the workshop on 'Batik', organized by Adhayapaka Sabha, Visva-Bharati as a part of its year-long celebration of Gurudeva's 150th birth anniversary, 2012.
- h) Participated in the National level Seminar on 'Rabindrachitra', organized by Adhayapaka Sabha, Visva-Bharati as a part of its year-long celebration of Gurudeva's 150th birth anniversary, 2012.
- i) Delivered keynote address in the inaugural session and acted as the external resource person in the workshop on 'Making Manjusha art based Jute bags', organized by Disha Gramin Vikas Manch, Bhagalpur, Bihar, 2011.
- j) Acted as the convener of the National level Seminar on 'Manjusha art and its impact on contemporary society', organized by the Department of Design, Kala Bhavana, Visva-Bharati, 2011.
- k) Participated in the Teacher's Workshop, Kala Bhavana on 'Stone and Mural', 2011.
- l) Participated in the Artist's Workshop (International level) organized by Kala Bhavana, 2012 as a part of 'Dhaka Santiniketan exchange programme'.
- m) Participated in the Artist's Workshop (International level) organized by Department of Fine Art, University of Dhaka, 2012.
- n) Invited paper for the 5th State level Symposium, organized by Bengal Fine Art College on 'Aspects of visual arts : art and society' and published paper on "Creator and the creation: the muffled steps of unfathomed territory"
- o) Participated in the National level seminar and presented paper on 'Craft Tourism: scope for sustainable livelihood of folk / tribal artists and artisans', organized by Kalamandir, Jamsedpur, Jharkhand, 2012.

- p) Acted as external resource person and expert in the National level Workshop on 'vernacular Architecture based on folk / tribal craft and painting --- tradition of Jharkhand' organized by Kalamandir, Jamsedpur, Jharkhand, 2012.
- q) Participated in the National level Workshop on "Eco-friendly printing with natural dyes", organized by department of Silpa Sadana, Visva-Bharati, 2012.
- r) Participated in the State level Workshop and Seminar, organized by Gurusaday Museum, Kolkata and presented paper on 'Alpana : the aura of the women's spirit', 2012.
- s) Invited and acted as the resource person and expert to impart the training in the workshop on 'Batik', organized by Adhayapaka Sabha, Visva-Bharati as a part of its year-long celebration of Gurudeva's 150th birth anniversary, 2012.
- t) Participated in the National level Seminar on 'Rabindrachitra', organized by Adhayapaka Sabha, Visva-Bharati as a part of its year-long celebration of Gurudeva's 150th birth anniversary, 2012.
- u) Participated in the Teacher's Workshop, Kala Bhavana 2012.
- v) Participated in the Artist's Workshop (International level) organized by Kala Bhavana, 2012 as a part of 'Dhaka Santiniketan exchange programme'.
- w) Participated in the Artist's Workshop (International level) organized by Department of Fine Art, University of Dhaka, 2012.
- x) Acted as the member of the State Level Painting Competition on Energy Conservation, organized by D.V.C.
- y) Participated in the National Level Seminar on 'Recent Trends in Geographical Research', organized by Foundation of Practising Geographers and paper submitted on 'Galaxy of Temples at Khardah Village: inquisitive search by her son of the soil'.
- z) Participated and presented paper in International Conference on Geography, organised by Burdwan University, 2013.

Madi linda

- a) "Praxis" A Group Show at Lalit Kala Academy, New Delhi, 2013.
- b) "Praxis" A Group Show at Lalit Kala Academy, Patna 2013,
- c) National Ball Bhavana (NTRC) Workshop New Delhi, 2013
- d) Kala Symposium- 2013 Kala -Bhavana Ranchi Art, Culture, Dept, Jharkhand, 2013.
- e) "SANIPARAB" Group Art Exhibition- 2013, Art, Culture Dept, Jharkhand, 2013
- f) National Art Exhibition- 2012 Odisha Lalit Kala Akademy Bhubaneswar, 2012.
- g) 14th Jharkhand Foundation Day, Uddhog Mella, Art Exhibition – 2012.
- h) *Akhra-Tribal India International Festival 2012*, Art Exhibition – 2011.
- i) Lalit Kala Akademy Regional Centre Bhubaneswar (2011).

- j) Reflection of Another Day (RAD) & Virasat Art, Aranya, Kolkata, 2011.
- k) Lalit Kala Academy, Lucknow, 2011.
- l) Participated at group show at AIFACS. New Delhi, 2010.
- m) Annual Art Exhibition, FOVA, B.H.U. 2010.

Workshop:

- n) TEXTILE Workshop, 2013 Kala –Bhavana, Santiniketan.
- o) Clay Mural Workshop, Department of Fine Arts, M.G.K Vidyapith, Varanasi, U.P 2012.

Camp:

- a) *Akhra -Tribal India International Festival 2012*, Painting Workshop, 2012.
- b) ‘‘Crystalline’’ Ceramic Camp Lalit Kala Akademy Regional Centre, Bhubaneswar (2011).
- c) Ramchatpar sand sculpture camp (2010).
- d) Service rendered apart from normal duties as an Assistant Professor towards University.
- e) Making physical verification of Kala-Bhavan Museum Collection, 10th November- to 16th November, 2013.

Bhavna Khajuria Basumatary –

- a) Group show at Lalit Kala Akademi, Patna, 2013.
- b) Invited participant at a group show at Indian Council for Cultural Relations, Kolkata, 2013.
- c) Group Show at Lalit Kala Akademi, Rabindra Bhavana, New Delhi, 2013.
- d) Participation in 52nd Annual State Art Exhibition, Lalit Kala Academy, Jaipur, 2011.
- e) Participated in Exhibition of Women Artist of Rajasthan, Jawahar Kala Kendra, Jaipur, 2010.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:**
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:**
N.A.

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Goutam Kr. Das –

- i) Act as an IBO Examiner, Pathway World International School, Gurgoun, New Delhi.

- ii) Received the ONGI ULSAN INTERNATIONAL Award.
- iii) Invited as a chief guest and participated in an exhibition in Sri Lanka, Oct, 2012.

Prasun Kanti Bhattacharya –

- i) Act as a Coordinator for the Semester Ordinance & Syllabus Committee.

Debasish Das –

- i) Act as a Committee member of Admission selection of Foreign Nationals student at Kala Bhavana.
- ii) Act as a Committee member of Cultural Programs, Exchange Programs & Various Workshop.
- iii) Act as a Committee member of Moldanga Development.
- iv) Appointed as an Examiner by University of Kolkata for the M.V.A examination, 2013 at Govt. college of Art & Craft, Kolkata.

Archana Das –

- i) 2009-2012: College of Art & Craft, Faculty of fine arts, Lucknow University, Invited as a subject expert, in Ceramic discipline.
- ii) 2010: Dept. of Plastic Art, Faculty of Visual Art , B.H.U Varanasi invited as a external examiner in practical subject B.F.A in pottery Ceramic.
- iii) 2010-2013: Indira Gandhi open University invites as theory paper examiner in fine arts
- iv) 2011: Participated as a UGC academic staff college university of Lucknow, UGC sponsored Refresher Course.

Debashish Mahalanobish –

- i) Acted as the member of the State Level Painting Competition on Energy Conservation, organized by D.V.C.

Bhavna Khajuria Basumatary –

- i) Appointed by Visva-Bharati University as an External Examiner for the practical examination of the Design (Ceramics) Department of Kala Bhavana, 2012.
- ii) Appointed by Visva-Bharati University as an External Examiner for the practical examination of the Design (Ceramics) Department of Kala Bhavana, December, 2010.
- iii) Appointed by Visva-Bharati University as an External Examiner for the practical examination for Ceramics in Shilpa Sadana, May, 2010.
- iv) Appointed as Vice-Principal (Campus) of Kala Bhavana, Visva-Bharati, Santiniketan, 2013.
- v) Appointed member of Karmi-Mondali, Visva-Bharati, Santiniketan, 2013.
- vi) Appointed member of NAAC Core Committee, Visva-Bharati, Santiniketan.

b) Doctoral / post doctoral fellows:**c) Students:**

- i) Various International Awards (Charls Wallace), National and State Academy awards received by the different Faculty members.
- ii) Students also receive various National and International Scholarships and Fellowships.
- iii) Several National and International residencies, symposiums and workshops attended by the students and also by the faculty members.
- iv) Recently students from the Departments received recognition to study at France to complete their choice based credit transfer system.
- v) Foreign student similarly gets opportunity to complete choice based credit transfer system at the Department.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

The Kala Bhavana Celebrates Ram Kinkar Baij, Binod Bihari Mukherjee, Gouri Bhanjas' centenary and organized seminar, workshop and conference in national and international level. Besides the above 150th birth Anniversary of Rabindranath Tagore as well as eminent educationist E.B. Havel also held at Nandan Museum premises. The faculties and the students actively participated in the said programme for its success. The many eminent educationist from national and international level invited for the same. However the most of the expenditure is made from the Kala Bhavana teachers' art activity fund.

31. Code of ethics for research followed by the departments:

N.A.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|------------|------------|----------------------|--------|
| | | Male | Female | Male | Female |
| B.F.A. – 2009 | | 5 | 8 | 100% | 100% |
| B.F.A. – 2010 | | 2 | 4 | Course not completed | |
| B.F.A. – 2011 | | 3 | 10 | | |
| B.F.A. – 2012 | | 9 | 7 | | |
| B.F.A. – 2013 | | Foundation | Foundation | | |

| | | Course | Course | | |
|---------------|----|--------|--------|----------------------|------|
| M.F.A. – 2009 | 33 | 4 | 11 | 100% | 100% |
| M.F.A. – 2010 | 20 | 4 | 11 | 100% | 100% |
| M.F.A. – 2011 | 60 | 5 | 10 | 100% | 100% |
| M.F.A. – 2012 | 64 | 11 | 11 | Course not completed | |
| M.F.A. – 2013 | 63 | 7 | 14 | | |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|--|---|---|--|------------------------------------|
| M.F.A. – 2009 | 46.66 | 20 | 20 | 13.33 |
| M.F.A. – 2010 | 46.66 | 6.66 | 13.33 | 33.33 |
| M.F.A. – 2011 | 46.66 | 13.33 | 26.66 | 13.33 |
| M.F.A. – 2012 | 40.90 | 27.27 | 9.09 | 22.72 |
| M.F.A. – 2013 | 57.14 | 19.04 | 14.28 | 9.52 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

N.A.

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 50% |
| PG to M.Phil. | N.A. |
| PG to Ph.D. | 10% |
| Ph.D. to Post-Doctoral | N.A. |
| Employed | N.A. |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 60% |
| from other universities within the State | 20% |
| from universities from other States | 20% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: N.A.

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** No
- b) **Internet facilities for staff and students:** Yes
- c) **Total number of class rooms:** Two main studios for two streams and total ten small studios.
- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** 02
- f) **Research laboratories:** N.A.

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university:**
Doctoral Students: Sitthichai Smanchat of Thailand, Rakhi Mehta, Monaneet Kaur.
- b) **from other institutions/ universities :** None

40. Number of post graduate students getting financial assistance from the university: Approximately 8 students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: N.A.

42. Does the department obtain feedback from

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** The Department already completed Faculty on curriculum as well as teaching learning evaluation, as per the norms and guide lines of the university.
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The Department already completed the Students on staff, curriculum on teaching learning evaluation, as per the norms and guide lines of the university.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

The Department already completed alumni and employees and the programmes offered, as per the norms and pro forma of the university. The feedback the department has taken initiative to utilise the feedback.

43. List the distinguished alumni of the department (maximum 10):

- a) Late Riten Majumder, eminent designer, founder member of Fab India and advisor of NID etc.
- b) Prof. K.G.Subhranian, eminent artist and designer and Padmabibhusana
- c) Late Gouri Bhanja. Eminent designer (specialized in traditional Floor Decoration)
- d) Prof.S.P.Karchoudhuri, Textile designer and painter
- e) Prof. Nani Gopal Ghosh, Textile designer
- f) Prof. Pranab Roy, Textile designer
- g) Mrs. Priya Ravishmehra, Textile designer and scholar
- h) Prof. Prabir Biswas
- i) Prof. Pares Chatterjee

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Time to time different workshops/seminars was organised by the Department (National & International).

45. List the teaching methods adopted by the faculty for different programmes:

Various practice based teaching methods involving discussion projects introduction to various techniques and ideas for the development of concepts.

- a) The students are exposed to the various movements and the historic morphology followed by the artist through the ages by slide show presentations.
- b) The students are encouraged to attend the lectures and discussions to have an in-depth understanding of the various aspects of the functions and the social use of arts.
- c) The students are given time based projects to work with different faculty members who are specialized in particular fields and are assisted in understanding the achievements and draw backs of that particular project.
- d) Students are taken for various field trips and actual spaces where they can see the process or the existing works they are supposed to learn or conceive from.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Group evaluations are carried out after each individual group, where the students are asked to do a presentation of their works at the completion of the group and the whole

Department carries the evaluation on individual assessment basis.

47. Highlight the participation of students and faculty in extension activities:

- a) Students of Bhavana participated in workshop held in Delhi college of Art in the years 2009, 2010, 2011 and 2012.
- b) Students participated in workshop at IIT Guwahati in the year 2009.
- c) Students and faculties participated in Exhibition organized by Govt. of India in the year 2009.
- d) Students participated in workshop at Shilpakorn University, Thailand in the year January, 2013.
- e) Faculties participated in seminar, workshop and Exhibition organized by Burhapa University, Thailand in the year 2010.
- f) Faculties participated in demonstration at IIT Guwahati, The Doon School, Narisuan University, Thailand in the year 2009, 2010, 2012.

48. Give details of “beyond syllabus scholarly activities” of the department:

Yearly Students are generally used to participate with different projects e.g. Nandan Mela (Art Fair in Kala-Bhavan). Apart from that the Department organises different Art-Workshop, Inter Disciplinary Art Activities, Seminars and Symposiums and Lecture cum Demonstration Programmes throughout the year.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: N.A.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The Department is encouraging the students to be in par with the up to date information regarding techniques trends and happenings in the contemporary art scenes by incorporating various methods of conceptualized ideas of social importance and its practical utilizations in Environment, Architecture and Design etc.

The Department offers an Oriented Laboratory and Work-shed by introducing modern equipments, machineries and tools, time to time, to generate the full utilization of knowledge and creativities on part of the students.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) Strong Design heritage.
- ii) Very conducive environment.
- iii) Freedom of exploration of new ideas and possibilities.
- iv) Inter-disciplinary opportunities for the development of creative expression.

- v) The Tagore's philosophy and the ambiance of the campus area as well as the favourable environment with full of flora and fauna.

b) Weaknesses –

- i) The modern addressing system in the learning process, e.g. ICT, is yet to be implemented.
- ii) Absent of the essential Departmental Design Archive.
- iii) Inadequate studio space for practice.
- iv) Insufficient technical support towards the students in the academic set-up due to lack of essential technical staff strength.
- v) Shortage of Laboratory space, Workshop space (The Department is failed to allot the minimum space to the students as per the UGC guide line even after the enhancement of the intake capacity of the studentship for OBC candidate.)

c) Opportunities –

- i) Strong foundational structure to understand design in depth.
- ii) Students get an opportunity to work in both expressional and functional aspects of design. It has potentials to expand the artistic mind with the professional clarity.
- iii) World-wide interactive space in and outside of the campus
- iv) Generative space for experimentation and knowledge building in creativity and scope for doing research and development.
- v) Addition of multimedia in the origin of design

d) Challenges –

- i) To cultivate the broader spectrum of design, both in practice and theory
- ii) Implementation of the idea of design in a larger scale
- iii) To enrich the concept of aesthetics in the domain of design
- iv) Outstanding and coherent design speculation
- v) Incorporation of various disciplines of art in the genre of design.

52. Future plans of the department:

The department of design is recognised globally and has an ample future plans to carry forward its structural possibilities in a broader scale. It has been accommodating foreign students every year from many decades. What we propose primarily, is to create a state of art for design space facilitated with top notch technical equipments for the disposal of students. The students as well as faculty members can work with all kind of traditional and contemporary ideas in this way. They can also share their experiences with the students at a tangible level.

The department requires more studio space for studies through various experimentation, interaction and practice. A healthy academic environment is always

fruitful for a creative production. Design is a large area and students should go through different creative processes, workshops, seminars etc. To get a special dimension of the department, we must provide an active and serious working environment.

The department also wishes to have a virtual classroom for the benefit of the students. This could be one way where students can involve themselves in multiple art events, activities, interactions worldwide. We are also planning to have the physical and digital archives, class and event documentations etc.

A separate work space for the glass and stained glass design in addition to the ceramic design section is under progress.

As the department has developed very good relations with some of the most famous art colleges in abroad and our faculty members and students have also been invited to various kinds of exchange programmes, we would like to further enhance this activity by inviting artists and students for guest lecturers, artist in residence, visiting fellows and professors for workshops, seminars conferences and so on. This will give a valuable opportunity to the students in developing their skills, public relations and other aspects to enhance their works.

4. Declaration by the Head of the Institution

I hereby declare that I have read and adopted the Self-Study Report 2017/18 and have on the basis of my knowledge.

That 2018 is a year of self-study and institution has been successful in achieving the stated purpose of the institution.

I assure you that I have been diligent in achieving the purpose of the institution during the period available.

S. Anand Dasgupta
 Head of the Department of Design

Signature

Date: 10/01/2018
 10/01/2018
 10/01/2018

Place: Kolkata
 Date: 10/01/2018



Visva-Bharati

Santiniketan 731235

INDIA

SELF-STUDY REPORT

Part - C

Vol. 2

Evaluative Report of the Departments

Submitted to
National Assessment and Accreditation Council
2014

C O N T E N T S

VIDYA-BHAVANA

(INSTITUTE OF HUMANITIES AND SOCIAL SCIENCES)

| | |
|--|------------|
| Economics and Politics | 1 |
| Philosophy and Religion | 39 |
| Ancient Indian History, Culture & Archaeology (A.I.H.C. & A.) | 61 |
| Journalism and Mass Communication | 71 |
| Geography | 89 |
| Anthropology | 103 |
| History | 113 |

BHASHA-BHAVANA

(INSTITUTE OF LANGUAGE, LITERATURE AND CULTURE)

| | |
|---|------------|
| Bengali | 130 |
| English and Other Modern European Languages (DEOMEL) | 151 |
| Sanskrit, Pali & Prakrit | 196 |
| Hindi | 213 |

| | |
|--|------------|
| Chinese Language & Culture | 236 |
| Japanese | 253 |
| Indo-Tibetan Studies | 266 |
| Odia | 281 |
| Santali | 297 |
| Arabic, Persian, Urdu & Islamic Studies | 308 |
| Assamese | 318 |
| Marathi | 326 |
| Tamil | 334 |

PALLI SAMGATHANA VIBHAGA
(INSTITUTE OF RURAL RECONSTRUCTION)

| | |
|--|------------|
| Palli Charcha Kendra | 342 |
| Lifelong Learning and Extension | 357 |
| Silpa Sadana | 376 |
| Social Work | 401 |
| Women's Studies Centre | 431 |

Evaluative Report of the Department of Economics and Politics

1. **Name of the Department :** Department of Economics and Politics
2. **Year of establishment :** 1953
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) Ph. D in Economics
 - b) Ph D in Political science
 - c) M Phil in Economics
 - d) MA in Economics
 - e) BA(Hons) in Economics
 - f) BA (subsidiary/ allied) in Economics
 - g) BA (subsidiary/ allied) in Political Science
 - h) BA (subsidiary/ allied) in Integrated Mathematics & Statistics
5. **Interdisciplinary programmes and departments involved:**
Students of BA(Hons) in Economics are required to take Allied or Subsidiary courses in History/ Ancient History/ Mathematics/Statistics/Bengali/English etc from the respective Departments.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Semester with Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:**
 - a) Pranab Kr. Chattopahyay and Sarbajit Sengupta were involved in teaching the MA Optional paper on Finance offered by the Department of Statistics during 2009-2011.
 - b) Pranab Kr. Chattopadhyay was involved in teaching the course on Environmental Studies to BA/BSc students offered by the Department of Environmental Science during 2008-12.

- c) Pranab Kr. Chattopadhyay was involved in teaching the course on Tagore Studies to BA/BSc students offered by Rabindra Bhavana during 2008-10.
- d) Economics Department Faculties are also associated with Ph. D. programmes of other Departments within Visva-Bharati (e.g., Department of Geography) and also with the Departments of other University (e.g., Department of Economics & Department of Commerce of the University of Calcutta) in supervisory capacities

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 2 | 7 |
| Associate Professors | 5 | 5 | 3 |
| Asst. Professors | 13 | 10 | 7 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) **Name** : Madhusudan Ghosh
Qualification : M.A., Ph.D,
Designation : Professor (Economics)
Specialization : Agri. Eco; Devt. Eco; Macro Economics; Time-series econometrics, Indian Eco.
No. of Years of Experience : 32
No. of Ph.D./M.Phil. students guided for the last 4 years : 02 (Ph.D: 1, M.Phil.:1)
- b) **Name** : Sarbajit Sengupta
Qualification : M.A., Ph.D
Designation : Professor (Economics)
Specialization : Industrial Econ., Micro Econ., International Trade, Econ. of Education.
No. of Years of Experience : 24
No. of Ph.D./M.Phil. Students guided for the last 4 years : 04 (Ph.D: 4)
- c) **Name** : Pranab Kumar Chattopadhyay
Qualification : M.A., Ph.D
Designation : Professor (Economics)

| | | |
|--|---|---|
| Specialization | : | Hist. of Econ. Thought; Econometrics; Environmental economics. |
| No. of Years of Experience | : | 32 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 15 (Ph.D: 12, M.Phil.:3) |
| d) Name | : | Mamata Ray |
| Qualification | : | M.A., Ph.D |
| Designation | : | Professor (Political Sc.) |
| Specialization | : | Indian Political Thought |
| No. of Years of Experience | : | 27 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01(Ph.D: 1,) |
| e) Name | : | Sudipta Bhattacharya |
| Qualification | : | M.Sc., M.Phil, Ph.D |
| Designation | : | Professor (Economics) |
| Specialization | : | Agril. Economics; Monetary Econ.; Marxian Econ. |
| No. of Years of Experience | : | 23 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 12 (Ph.D: 11, M.Phil.:1) |
| f) Name | : | Pranab Basu |
| Qualification | : | M.A., Ph.D |
| Designation | : | Professor (Economics) |
| Specialization | : | International trade; Economic thought |
| No. of Years of Experience | : | 35 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 02 (Ph.D: 2) |
| g) Name | : | Apurba Kumar Chattopadhyay |
| Qualification | : | Ph.D |
| Designation | : | Professor (Economics) |
| Specialization | : | Agril Econ, Devt. Economics, Economics of planning, Environmental economics |
| No. of Years of Experience | : | 21 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 07 (Ph.D: 6, M.Phil.:1) |

- h) **Name** : Jagabandhu Saha
Qualification : M.Stat, Ph.D
Designation : Professor (Economics)
Specialization : Econometrics, Inventory theory
No. of Years of Experience : 25
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Santadas Ghosh
Qualification : M.Sc., MCA, Ph.D
Designation : Associate Professor (Economics)
Specialization : Econometrics, Environmental Economics
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 02 (Ph.D: 1, M.Phil.:1)
- j) **Name** : Soumya Chakrabarty
Qualification : Ph.D
Designation : Associate Professor (Economics)
Specialization : Advance Economic Theory, Marxian Economics, Macroeconomics.
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 08 (Ph.D: 5, M.Phil.:3)
- k) **Name** : Uttam Kumar Sikdar
Qualification : M.Sc., M.Phil
Designation : Assistant Professor (Economics)
Specialization : Statistics and Econometrics, Devt. Economics, Macroeconomics
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- l) **Name** : Biswajit Mandal
Qualification : M.Sc., M.Phil, Ph.D
Designation : Assistant Professor
Specialization : International Economics, Devt. Eco; Econometrics
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 02 (Ph.D: 2)
- m) **Name** : Amit Biswas
Qualification : M.A., Ph.D
Designation : Assistant Professor (Economics)
Specialization : International trade, Econometrics
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students
guided for the last 4 years : 02 (Ph.D: 2)
- n) **Name** : Soumyadip Chattopadhyay
Qualification : M.Sc., Ph.D
Designation : Assistant Professor (Economics)
Specialization : Econometrics; Urban Economics
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students
guided for the last 4 years : 06 (Ph.D: 2, M.Phil.: 4)
- o) **Name** : Achiransu Acharya
Qualification : M.Sc.
Designation : Assistant Professor (Economics)
Specialization : International Economics; Environment and Resource Economics
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- p) **Name** : Biswajit Halder
Qualification : M.A., M.Phil
Designation : Assistant Professor (Economics)
Specialization : Indian Economy; Development Economics
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil
- q) **Name** : Anamika Moktan
Qualification : M.A.
Designation : Assistant Professor (Economics)
Specialization : International trade; Environmental Economics
No. of Years of Experience : 04
No. of Ph.D./M.Phil. Students

guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Adjunct Faculty:

- a) Professor Rabindranath Bhattacharya, Centre for Studies in Social Sciences, Kolkata.
- b) Professor Ramprasad Sengupta, CESP, Jawharalal Nehru University.
- c) Professor Jack Reardon, Department of Management and Economics, School of Business, Hamline University, USA.
- d) Antony P. De Costa, Professor of Indian Studies and Research, Asia Research Centre, Copenhagen Business School, Denmark.
- e) Pinaki Bose, Visiting Fellow, University of Manitoba, Canada.
- f) Dr. Feisal Abbas, South Asian University, New Delhi.
- g) Dr. Subrata Mondal, Ambedkar University, New Delhi

13. Percentage of classes taken by temporary faculty — programme-wise: 5%

14. Programme-wise Student Teacher Ratio:

| Programmes | Students | Teachers | Student Teacher Ratio |
|--|----------|----------|-----------------------|
| BA ((subsidiary) Pol Sc | 40 | 1 | 40:1 |
| BA (subsidiary) Economics | 18 | 3 | 6:1 |
| BA (subsidiary) Integrated Mathematics & Stat | 21 | 4 | 5.25:1 |
| BA (Hons) Economics | 48 | 11 | 4.36:1 |
| MA (Economics) | 34 | 13 | 2.1:1 |
| M Phil (Economics)** | 4 | 3 | 1.3: 1 |
| Ph D (Economics)** | 10 | 6 | 1.6:1 |
| ** Data relates to M. Phil./Ph.D. Course work. | | | |

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---|------------|--------|--------|
| Academic Support staff (technical) | 5 | 5 | 3* |
| Administrative Staff | 2 | 2 | 2 |
| Others | 1 | 1 | 1 |
| * Two of them has completed their tenures | | | |

16. Research thrust areas as recognized by major funding agencies:

- a) Agriculture, Environment and Rural Development : Thrust area for UGC SAP – DRS –I, Department of Economics & Politics.
- b) Women empowerment, Rural health care, Child development, Agriculture & Rural Development, Assessment of government programmes in Social Sector: Thrust Area of A K Dasgupta Centre for Planning and development of Department of Economics & Politics.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Name of Faculty | Project Title | Funding Agency | National/ International | Total Funds Received |
|----------------------------|---|----------------------|-------------------------|---|
| Sudipta Bhattacharya | Microfinance, Rural Credit and Poverty Alleviation: A Study of West Bengal, | UGC | National | Sanctioned 567800/- Distributed 459000/- |
| Madhusudan Ghosh | Economic Reforms & Regional Convergence in Indian Agr. | UGC | National | 6,38,600/- |
| Apurba Kumar Chattopadhyay | Stagnation Of The Agrarian Economy: An Enquiry Into Its Nature And Causes In Five Central Districts Of West Bengal During 1999—2000 To 2009—10. | UGC | National | Sanction 649600/- Distributed 381600/- |
| Saumya Chakrabarty | A Comparative Study of the Livelihood Guarantee Programmes across the Global South (secondary data based study). | Brown University USA | International | USD 9000\$ |
| Achiransu Acharya | An Economic Analysis of Ground | UGC | National | 130000 |

| | | | | |
|-----------------------|--|--|-------------------------|---|
| | water Markets in West Bengal | | | |
| Name of Faculty | Project Title | Funding Agency | National/ International | Total Funds Received |
| Department | Agricultural, Environment & Rural Development | UGC-SAP DRS I | National | 31,94,000/- |
| Department | Planning and Development | Planning Commission | National | 6,10,000/- per annum 86,00,000/- endowment |
| Madhusudan Ghosh | Economic Reforms & Regional Convergence in Indian Agr. | UGC-Major Research Project | National | 6,38,600/- |
| Sibranjan Misra: | “Sickness of Tea Plantations in India : An Enquiry into its nature and causes” | UGC_- Sponsored Major Research Project | National | Rs. 4,00,000/- |
| Aparajita Mukherjee | ‘Economic Reform and Indian Agriculture: A Study on Agrarian Economy of West Bengal’ | ICSSR sponsored major research project | International | 4,17,000/- |
| Sudipta Bhattacharya | “Microfinance, Rural Credit and Poverty Alleviation: A Study of West Bengal | UGC-sponsored Major Research Project | National | Rs.6,47,000/-. |
| Sudipta Bhattacharyya | ‘Study of Problems of Marginal Farmers in the Context of Changing Technology & Economic Environment’ | Collaborative Project with Joshi Adhikari Institute of Social Sciences | National | Rs.52000/- |

| | | | | |
|---|--|--|---------------|----------------|
| Achiransu Acharyya | An Economic Analysis of Groundwater Markets in West Bengal | U.G.C. Minor Research Project | National | Rs. 1,30,000/- |
| Apurba Kumar Chattopadhyay & Saumya Chakrabarty | Rural Non-Farm Employment: Characteristics and Determinants | UGC (SAP) | National | Rs. 1,31,412/- |
| Apurba Kumar Chattopadhyay Co-Investigator: Biswajit Halder | Stagnation of the Agrarian Economy: An Enquiry into Its Nature and Causes In Five Central Districts of West Bengal During 1999—2000 to 2009—10 | UGC-Major Research Project | National | Rs. 6,49,600/- |
| Saumya Chakrabarty | A Comparative Study of the Methods and Impacts of Employment Guarantee Schemes across Global South: Inclusion or Elite Capture? | Brown International Advanced Research Institute (BIARI) Alumni Research Grant 2012 | International | Rs. 2,00,000/- |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: Nil

b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

| SL | Project | Agency | Total Grants |
|----|------------------|--------|--------------|
| 1 | UGC SAP DRS -I** | UGC | 23 lakhs |

| | | | |
|---|---|------------------------|--|
| | | | 50Thousand + Fellowship of One Project Fellow |
| 2 | A K Dasgupta Centre for Planning and Development | Planning Commission | 86 lakhs* |

* The Centre has 86 lakhs of corpus fund from which around Rs. 6 lakhs 50 thousand are spent for running research programme of the centre.

** The Projects carried out of the UGC-DRS-I SAP fund by Departmental colleagues are given in the following table:

| Sl. No. | Project Title | Project Investigator (s) |
|---------|--|--|
| SAP-1 | Challenges and Opportunities of NREGA: The West Bengal Experience | Aparajita Mukherjee Soumyadip Chattopadhyay Biswajit Haldar |
| SAP-2 | Rural Non-farm Employment: Characteristics and Determinants. . | Apurba Kumar Chattopadhyay Saumya Chakrabarti. |
| SAP-3 | Tagore's Sriniketan Model of Skill Development in Handicraft for Rural Poor. | Suman Sarkar |
| SAP-4 | Crisis in Tea Plantations in India: Some Issues and Concerns. | Sib Ranjan Misra |
| SAP-5 | An Economic Analysis of Ground Water Market in the District of Birbhum. | Pranab Kumar Chattopadhyay Achiransu Acharyya |
| SAP-6 | Recession: A Boon for the Informal Sector? | Biswajit Mandal |
| SAP-7 | An Enquiry into the Experiments at Agricultural and Rural Development in Sriniketan. | Pranab Basu |
| Sl. No. | Project Title | Project Investigator (s) |
| SAP-8 | Property Rights, Productivity and the Poor: Inland Water Fisheries in West Bengal. | Sarbajit Sengupta Santadas Ghosh |
| SAP-9 | Growth and Performance of Commodity | Madhusudan Ghosh |

| | | |
|---------|--|--------------------------|
| | Futures Markets in Indian Agriculture. | |
| SAP-10 | A Comparative Study of Some of the Employment Guarantee Scheme Across the Developing Countries | Saumya Chakrabarti |
| Sl. No. | Project Title | Project Investigator (s) |
| SAP-11 | Ground water irrigation in WB: Opportunities for Adaptation & Mitigation to Climate Change | Achiransu Acharyya |
| SAP-12 | Informal Sector & Extortion: Role of Reform and Capital Mobility | Biswajit Mondal |
| SAP-13 | Rural Pollution, Informal Sector & Bureaucratic Corruption | Amit Kr. Biswas |
| SAP-14 | Rural Credit: A Journey from Bank Nationalisation to Liberalisation: West Bengal & India | Sudipta Bhattacharya |
| SAP-15 | Trend and Pattern of Rural Fiscal Decentralisation in India | Soumyadip Chattopadhyay |

20. Research facility / centre with

- a) State recognition: Yes b) national recognition: Yes
c) International recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies: No**22. Publications:****a) No. of papers published in peer reviewed journals (national/international):**

| | | |
|-----------------------------------|---|-----------|
| Madhusudan Ghosh | – | 14 |
| Sarbajit Sengupta | – | 03 |
| Pranab Kumar Chattopadhyay | – | 01 |
| Sudipta Bhattacharya | – | 04 |
| Pranab Kanti Basu | – | 01 |
| Apurba Kumar Chattopadhyay | – | 03 |
| Saumya Chakrabarti | – | 12 |
| Biswajit Mandal | – | 10 |
| Amit Kumar Biswas | – | 03 |
| Soumyadip Chattopadhyay | – | 06 |
| Total | – | 57 |

b) Monographs:

Madhusudan Ghosh –

- i) “*Liberalization, Growth and Regional Disparities in India*”, Springer, New Delhi/ Heidelberg/New York/Dordrecht/London, 2013 (ISBN: 978-81-322-0980-5 (Print); ISBN: 978-81-322-0981-2 (eBook).

Sudipta Bhattacharya –

- i) ‘Political Economy of Agrarian Crisis and Slow Industrialization in India’, (Co-authors: Mathew Abraham and Anthony D’Costa), Copenhagen Discussion Paper, No.40, 2013. Copenhagen Business School, Denmark. <http://openarchive.cbs.dk/bitstream/handle/10398/8642/CDP%202013-40%20samlet.pdf?sequence=1>.
- ii) ‘Rural Credit: A Journey from Bank Nationalization to Liberalization’, UGC-SAP (DRS-I), Dept of Economics and Politics, Visva-Bharati, Working Paper Series, No. 6, 2012-13. <http://www.visva-bharati.ac.in/Projects/Economics-Working%20Paper%206.pdf>.
- iii) ‘Neo-liberalism looks Misty through AmartyaSen’s ‘Snakes and Ladders’, Pragoti, Feb 1, 2012, www.pragoti.in/node/4602
- iv) ‘Is the Edifice of Neo-liberalism finally Crumbling?’, Pragoti, Jan 3, 2012, <http://www.pragoti.in/node/4584>
- v) Nobel in Economics: Politics of ‘Imperialization’, Pragoti, Nov 18, 2011, <http://www.pragoti.in/node/4575>
- vi) ‘Derailed Rail Budget of Mamata: Broken Promises, Forgotten Hope’, in Pragoti: Progress and Struggle, 01.03.2011. Web Journal: <http://www.pragoti.org/taxonomy/term/2623>
- vii) ‘Public-Private Partnership in India: Rhetoric of Strait Jacket Privatization – Retreat from Commanding Height’, CBS Web Publication, Oct 10, 2011, <http://ebookbrowse.com/sudipta-bhattacharyya>.

Santadas Ghosh –

- i) “A Glimpse of the Tiger: How Much are Indians Willing to Pay for It?” (with Dr. Indrila Guha) SANDEE Working Paper No. 39-09.2009. www.sandeeonline.org.

Saumya Chakrabarti –

- i) “National rural employment guarantee scheme: certain theoretical constraints” (co-authored by A. Mukherjee); in Working Paper Series, Volume – 1 (ISBN: 9789381274-30-9), A.K. Dasgupta Centre for Planning and Development (Sponsored by Planning Commission, Govt. of India), Visva-Bharati, Santiniketan, India; New Delhi Publishers, India; January 2013.

Soumyadip Chattopadhyay –

- i) “Trend and Pattern of Rural Fiscal Decentralization in India”, Working Paper Series No. 7, UGC SAP (DRS – I), 2012. Department of Economics and Politics, Visva-Bharati University.
- ii) “Governance Reforms in India: Opportunities and Challenges”, Working Paper, AK Dasgupta Centre for Planning and Development, 2013. Visva-Bharati University (Co-authored with Seemantini Chattopadhyay).

c) Chapters in Books:

Madhusudan Ghosh –

- i) Inclusive Growth, Livelihood Security and Rural Poverty in India, In S.K. Datta and P.K. Kuri (Eds.) *Rural Livelihood in India*, Serials Publications, New Delhi, 2014.
- ii) Growth and Performance of Commodity Futures Market in Indian Agriculture, In M. Ghosh&A.K. Chattopadhyay(Eds.) *Rural Development in India – Challenges and Prospects*, Serials Publications, New Delhi, 2013.
- iii) Supply Response Behaviour in Indian Agriculture: A Study of Oilseeds and Pulses, In Kazi M.B. Rahim, D. Sarkar& B. C. Roy (Eds) *Sustainable Agriculture and Environment*, New Delhi Publishers, New Delhi, 2012, 191-205.
- iv) Poverty, Unemployment and Inclusive Growth in Rural India, In N.U. Khan &Sigamani P. (Eds) *Anatomy of Public Policy Reforms and Development*, Macmillan Publishers India Ltd., Delhi, 2011, 54-74.
- v) Economic Reforms, Growth and Regional Divergence in India, In Y.S. Sisodia (Ed.) *India’s Development Scenario: Challenges and Prospects*, Rawat Publications, Jaipur/New Delhi, 2009.

Pranab Kumar Chattopadhyay –

- i) “Food Security in India: Evergreen Revolution in Small Farms” in B. Chatterjee and A K. Karmakar (Ed.), *Food Security in India*, Regal Publications. New Delhi, March 2012, Pp. 84-95 (ISBN No. 978-81-8484-158-9).
- ii) “Poverty and health care in India in the context of globalization”, in RajkumarSen (ed.), *Modern Indian Economy*, Deep and Deep Publications Private Limited, New Delhi, 2011, pp-211-20.
- iii) “RabindranatherSamavayaChinta” in Tapan Kumar Some (IAS) (ed.) *RabindranatherSantiniketan o Sreeniketan*; Deep Prakashan, 2011, pp 538-45.
- iv) “Keynes and Mercantilism” in D N Bhattacharya (ed) *Indian Economic Development*, Regal Publications, New Delhi, 2012, ISBN No. 978-81-8484-167-1.

- v) “Role of Education in Women Empowerment: A Case Study of West Bengal” (with BikasSaha and PrabirKarar) in P K Chattopadhyay (ed), *Inclusion and Empowerment: Essays on Some Aspects of Rural Development*, New Delhi Publishers, New Delhi, March, 2013, ISBN No. 9789381274392.
- vi) Education and Women Empowerment: A Case Study of KalnaSubdivision of West Bengal (with BikasSaha and PrabirKarar) in P K Chattopadhyay (ed) Working paper-1 of A K Dasgupta Centre for Planning and Development, published by New Delhi Publishers, New Delhi, November, 2012, ISBN No. 9789381274309.
- vii) An enquiry into the Scope of “Sustainable Promotions of Tribal Livelihood and Education with Environmental Stability in West Bengal (with Arun Kumar Mondal) in P K Chattopadhyay (ed), Working paper-1 of A K Dasgupta Centre for Planning and Development, published by New Dalhi Publisher, New Delhi, November, 2012, ISBN No. 9789381274309.
- viii) Development of Forest Resource and Tribal Economy in P K Chattopadhyay (ed) *Inclusion and Empowerment: Essays on Some Aspects of Rural Development*, New Delhi Publishers, New Delhi, March, 2013, ISBN No. 97893812743921.

Sudipta Bhattacharya –

- i) Participation and Rural Transformation: Some Marxian Theoretical Discourse in the Recent Past Laboratory of the Marxist Ruled State of West Bengal for Three Decades, in Rajiv Sen (Ed), *Proceedings of the UGC Sponsored National Seminar on Decentralized Development and Rural Governance in India: Challenges and Opportunities*, Union Christian Training College, Berhampore, Murshidabad, pp. 25-50, 2013. ISBN: 978-81-926963-1-7.
- ii) Neo-liberal Transformation of the Interventionist Economy: A Study of West Bengal, in K. Suman Chandra, V. Suresh Babu&Pradip Kumar Nath (Eds), *Agrarian Crisis in India: The Way Out*, Academic Foundation, New Delhi, Ch-18, pp.497-512. ISBN: 978-93327-0032-1.
- iii) A Critical Look at Two Decades of Market Reform in India, in S Bhattacharya (Ed), *Two Decades of Market Reform in India: Some Dissenting Views*, Anthem Press, London, Ch-1, pp.1-26. ISBN: 085728326X.
- iv) Changing Employment Scenario during Market Reform in India, in S Bhattacharya (Ed), *Two Decades of Market Reform in India: Some Dissenting Views*, Anthem Press, London, Ch-9, pp.159-175. ISBN:

085728326X.

- v) 'Introduction' (Co-author: Pranab Kumar Chattopadhyay), in P K Chattopadhyay and SBhattacharyya (Eds) *Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization*, New Delhi: New Delhi Publisher, 2013, ISBN: 978-93-81274-25-5. pp. XIII-XVIII.
- vi) 'Neo-liberalism, Weakening State and Peasant Differentiation in Indian Agriculture', in Conference Volume of the National Seminar on 'Agrarian Crisis: The Way Out', National Institute of Rural Development, Hyderabad, 5-7 November 2012. pp. 582-95.
- vii) '(Neo-) Liberalization and Fundamentalism: Awkward Identity of Nation State in India' in Maya Ghosh and Arun K. Jana (ed) *Development and Disorder: The Crisis of Governance in the Northeast and East of India*, New Delhi: South Asian Publisher, 2011.

PranabKantiBasu –

- i) 'BhogerUnnayanUnnayanerBhog' in RaghavendraBandopadhyayet. al. (ed.) *UnnayanBitharka*, Charchapad, Kolkata. 2009. ISBN 978-81-907607-8-2.
- ii) 'Land Acquisition: Impossibility of Corporate Social Responsibility' in Raman and Lipschutz (ed.) *Corporate Social Responsibility: Comparative Critiques*, Palgrave Macmillan, International Political Economy Series, London. 2010. ISBN-13: 978-0-230-22077-5.
- iii) 'byarthothakarpartirnadorsjoner' in Prabrit Das Mohapatra et.al. (ed.) *Bamrajtotwa o chorchay*, Charchapad, Kolkata. 2013. ISBN 978-93-80489-23-0.

Apurba Kumar Chattopadhyay –

- i) 'WTO' and the Inequality among the Member Countries in R. K. Sen and John Felix raj (ed), *WTO and Asian Union*, Deep and Deep Publications Pvt. Ltd.. New Delhi, 2009. pp. 103-13. (Jointly with Ratan Kumar Ghosal). ISBN: 978-81-8450-205-3.
- ii) "Economics of rural non-farm sector: certain characteristics and determinants" (co-authored with S. Mondal and A.K. Chattopadhyay); in M. Ghosh and A.K. Chattopadhyay (eds.) *Rural Development in India: Challenges and Prospects*, Serials Publications, New Delhi; May 2013.(ISBN: 9788183875929).
- iii) "Agrarian Crisis, Unemployment and Rural Livelihood" in N U Khan and Sigamani P (eds.), *Anatomy of Public Reforms and Development*, Macmillan Publishers India Limited (Macmillan Advance Research Series), pp. 3-22. New Delhi 2011. ISBN No. 0230-33274-9.
- iv) "Agrarian Economy of West Bengal and the Question of Sustainability" in

- K. Pal (Ed.), *Sustainable Development and Role of Government*, Nath Publishing, Kolkata, July 2010, pp. 97-126. ISBN: 978978-81-8093-014-0.
- v) 'Declining Sex ratio of the Population in India: Implications and Policy Issues' in D. N. Bhattacharya (ed) *Indian Economic Development: Contemporary Issues*, Regal Publications, New delhi, February 2012, pp. 365-375.
 - vi) 'Two Decades of Human Development in India', in D. Chattopadhyay (Ed.), *Human Rights and Human Development: Some Issues*, Amode Book Publishing House, Balarampur, Purulia, 2012. ISBN: 978-81-923363-4-3.

Santadas Ghosh –

- i) "Valuing the Land of Tigers: What Indian Visitors Reveal?" (with Dr. IndrilaGuha) in Haque A. K. E., Murty M. N. and Shyamsundar P (ed.) *Valuing the Invaluable: The Practice of Environmental Valuation in South Asia*, SANDEE (Cambridge University Press), 2011.
- ii) "Tourism, local livelihood, and conservation: a case study in Indian Sundarbans" (with Dr. IndrilaGuha) in Pushpam Kumar and RoldanMuradian (ed) *Payment for Ecosystem Services*; New Delhi, Oxford University Press, 2009.

Saumya Chakrabarti –

- i) "Agriculture – industry interaction in an open-economy framework: some theoretical observations"; in P.K. Chattopadhyay(ed.), *Inclusion and Empowerment*, New Delhi Publishers, India; April 2013.
- ii) "Economics of rural non-farm sector: certain characteristics and determinants" (co-authored with S. Mondal and A.K. Chattopadhyay); in M. Ghosh and A.K. Chattopadhyay (Eds.) *Rural Development in India: Challenges and Prospects*, Serials Publications, New Delhi; May 2013.(ISBN: 9788183875929).

Amit Kumar Biswas –

- i) Review of Foreign Trade Data in LDC: Role of Policy Instruments (2010), VerlagDr. Mueller, ISBN 978-3-639-24488-5.

Biswajit Mandal –

- i) "Transaction Costs, Technology Transfer and Mode of Organization" with SugataMarjit, Chapter 4 in R. Acharyya and S. Marjit (ed.) "Trade, Globalization and Development", 2013, ISSN/ISBN: 978-81-322-1150-1/978-81-322-1151-8 (e-book).
- ii) "Recession: A Boom for the Informal Sector?", Chapter 17 in M. Ghosh and A. K. Chattopadhyay (Ed), *Rural Development in India: Challenges and Prospect*, Serial Publications, New Delhi, India, 2013.

d) Edited Books:

Madhusudan Ghosh –

- i) *Rural Development in India – Challenges and Prospects*, Serials Publications, New Delhi, 2013 (Co-editor: A.K. Chattopadhyay) (ISBN: 9788183875929).

Pranab Kumar Chattopadhyay –

- i) *Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization*, (with Sudipta Bhattacharya), New Delhi Publishers, New Delhi, November, 2012, ISBN No. 9789381274255.
- ii) *Inclusion and Empowerment: Essays on Some Aspects of Rural Development*, New Delhi Publishers, New Delhi, March, 2013, ISBN No. 9789381274392.
- iii) *Working papers of A K Dasgupta Centre for Planning and Development*, New Delhi Publishers, New Delhi, November, 2012, ISBN No. 9789381274309.
- iv) *Some Empirical Aspects of Economic Growth and Diversification in India's Emerging Economy*, New Delhi Publishers, New Delhi, Nov 2013 ISBN 9789381274545.
- v) *Gender Opportunities and Empowerment: Aspects of Rural Development*, New Delhi Publishers, New Delhi, April 2013 ISBN 9789381274477.

Sudipta Bhattacharya –

- i) *Two Decades of Market Reforms in India: Some Dissenting Views*, Anthem Press, London, 2013, ISBN: 9780857283269.
- ii) *Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization*, New Delhi: New Delhi Publisher, 2013. ISBN: 978-93-81274-25-5.

Apurba Kumar Chattopadhyay –

- i) *Rural Development in India – Challenges and Prospects*, Serials Publications, New Delhi, 2013 (Co-editor: M. Ghosh) (ISBN: 9788183875929).

e) Books with ISBN with details of publishers:

Madhusudan Ghosh –

- i) *Liberalization, Growth and Regional Disparities in India*, Springer, New Delhi/ Heidelberg/New York/Dordrecht/London, 2013 (ISBN: 978-81-322-0980-5 (Print); ISBN: 978-81-322-0981-2 (eBook)).

Amit Kumar Biswas –

- i) Review of Foreign Trade Data in LDC: Role of Policy Instruments (2010), VerlagDr. Mueller, ISBN 978-3-639-24488-5.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**

Madhusudan Ghosh –

- i) Regional Divergence and Club Convergence in India, *Economic Modelling*, 30 (January), 2013, 733-742. (Co-authors: A. Ghoshray and I.Malki).**(Indexed in IBSS).**
- ii) How Integrated is the Indian Wheat Market?,*Journal of Development Studies*, 47(10) 2011, 1574-1594 (Co-author: A. Ghoshray).**(Indexed in IBSS).**
- iii) Regional Disparities in Education, Health and Human Development in India, *Indian Journal of Human Development*, 5(1), 2011, 5-28.**(Indexed in IBSS).**
- iv) How Integrated is the Indian Wheat Market?,*Journal of Development Studies*, 47(10) 2011, 1574-1594 (Co-author: A. Ghoshray).**(Indexed in IBSS).**
- v) Regional Disparities in Education, Health and Human Development in India, *Indian Journal of Human Development*, 5(1), 2011, 5-28.**(Indexed in IBSS).**
- vi) Spatial Price Linkages in Regional Food Grain Markets in India, *Margin – The Journal of Applied Economic Research*, 4(4), 2010, 495-516.**(Indexed in EBSCO etc).**
- vii) Inclusive Growth and Rural Poverty in India: Policy Implications for the Eleventh Plan, *Indian Journal of Agricultural Economics*, 65(3), 2010, 552-561.**(Indexed in IBSS).**
- viii) Structural Breaks and Performance in Indian Agriculture, *Indian Journal of Agricultural Economics*, 65(1), 2010, 59-79 [Awarded *Dr. D.K. Desai Memorial Prize* for best article published in *Indian Journal of Agricultural Economics* by the Indian Society of Agricultural Economics, Mumbai, India].**(Indexed in IBSS).**
- ix) Dynamics of Agricultural Development and Rural Poverty in Indian States,

Margin – The Journal of Applied Economic Research, 3(3), 2009, 265-295.(Indexed in EBSCO).

Sarbajit Sengupta –

- i) “Tariffs and Imports Misinvoicing under Oligopoly” (with Amit K Biswas), *Economics and Politics Presented at the Conference on Models and Methods in Economics*, ISI, Kolkata ***Economics & Politics*, Vol. 23/2, 2011** (Wiley-Blackwell). (Indexed in IBSS).
- ii) Declining Registration by Small Manufacturing Units: A Case Study of Durgapur. (with MousumiMajumdar) ***Economic and Political Weekly*, Vol - XLV No. 25, June 19, 2010.** (Indexed in SCOBUS).

Sudipta Bhattacharya –

- i) Participatory Rural Self-Governance under the Left Regime in West Bengal: An Alternative to Neo-liberal Developmentalism’ in *European Journal of Development Research*, (Co-author with Manik Bhattacharya). Vol 25, No.3, pp. 385-407. ISSN: 0957-8811. (Indexed in IBSS).

Saumya Chakrabarti –

- i) “Contradictions of ‘doing development’: a structuralist framework”; in *American Review of Political Economy* (EconLit indexed); Vol. 7, No. 1&2; June/December 2009.
- ii) “Formal-informal sectors’ conflict: a structuralist framework for India” (co-authored by A. Kundu); in *Journal of Economic Development* (EconLit indexed); Vol. 34, No. 2; December 2009.
- iii) “Motive of production in urban unorganized manufacturing sector: a case study” (co-authored with S. Mukherjee); in *The Asian Economic Review* (IBSS indexed); Vol. 52, No. 1; April 2010.
- iv) “Non-agricultural informal sector in India: impacts of agrarian conditions” (co-authored with A. Kundu); in *Indian Journal of Labour Economics* (EconLit indexed); Vol. 53, No. 2; April-June 2010. <http://www.isleijle.org/ijle/IssuePdf/6ff10400-7ade-4f9c-a6c4-db48a67f76c6.pdf>.
- v) “Social cost-benefit analysis: a case study of pollution intensive industries” (co-authored with I. Bairagya); in *Indian Economic Journal* (EconLit indexed); Vol. 58, No. 4; Jan-March 2011.
- vi) “Farm – non-farm linkage in India: a structuralist perspective” (co-authored

by A. Kundu and A.K. Nandi); in Indian Journal of Agricultural Economics (EconLit indexed); Vol. 66, No. 2; April-June 2011 (Received the D.K. Desai Prize 2012 for being the best paper of 2011).'

- vii) “A macroeconomic structure of employment: rural-urban conflict in a Kaleckian framework”; in Review of Radical Political Economics (EconLit indexed); Vol. 43, No. 2; June 2011.
- viii) “National rural employment guarantee scheme of India: some conceptual problems” (co-authored by A. Mukherjee); in International Critical Thought (OCLC indexed); Vol. 3, No. 1; March 2013.
- ix) “Interrogating inclusive growth: Formal-informal duality, complementarity, conflict”; in Cambridge Journal of Economics (EconLit indexed), 17 July 2013; doi: 10.1093/cje/bet016.

Amit Kumar Biswas –

- i) Tariff and Import Under-invoicing Under Oligopoly (with S. Sengupta), Economics & Politics, Vol. 23/2, 2011 (Wiley-Blackwell). [listed in ProQuest, Geobase, RePEc etc.]
- ii) Pollution, Shadow Economy and Corruption: Theory and Evidence (with M.R. Farzanegan & M. Thum), Ecological Economics, Vol. 75C, 2012 (Elsevier Inc). [listed in ProQuest, Geobase, RePEc etc.]
- iii) Import Tariff Led Export Under-invoicing: A Paradox, Journal of International Trade and Economic Development, Vol. 21/3, 2012 (Rutledge). [listed in EconLit, IBSS, EBSCO etc.]

Soumyadip Chattopadhyay –

- i) Progress in Development Studies (Impact factor 0.846 and ranking 32/55 in planning and development) listed in IBSS, SCOPUS, EBSCO etc.
- ii) South Asian Survey listed in IBSS.
- iii) Environment and Urbanization ASIA listed in IBSS, EBSCO etc.
- iv) Social Change listed in EBSCO, ICI, OCLC etc.
- v) Development In Practice (H Index 18 [SCImago Journal and Country Rank]) listed in IBSS, EBSCO, Cambridge Scientific Abstracts-Sociological Abstract, BLDS etc.
- vi) Journal of Economic Policy and Research listed in EBSCO, Cabell, Ulrich.
- vii) Indian Journal of Economics listed in IBSS.

viii) Urban India listed in Dare Database International Social Science Directory.

g) **Citation Index — range / average:** Not applicable

h) **SNIP:** Not applicable

i) **SIR:** Not applicable

j) **Impact Factor — range / average:**

Saumya Chakrabarti –

- i) “Farm – non-farm linkage in India: a structuralist perspective” (co-authored by A. Kundu and A.K. Nandi); in Indian Journal of Agricultural Economics (EconLit indexed); Vol. 66, No. 2; April-June 2011 (Received the D.K. Desai Prize 2012 for being the best paper of 2011).(SJR score 2011: 0.146).
- ii) “A macroeconomic structure of employment: rural-urban conflict in a Kaleckian framework”; in Review of Radical Political Economics (EconLit indexed); Vol. 43, No. 2; June 2011.(SJR score 2011: 0.253).(Impact Factor score 2013:0.450).
- iii) “Interrogating inclusive growth: Formal-informal duality, complementarity, conflict”; in Cambridge Journal of Economics (EconLit indexed), 17 July 2013; doi: 10.1093/cje/bet016.(SJR score 2012: 1.008).(5-yr Impact Factor score 2013:1.477).

k) **h-index:** Not applicable

23. **Details of patents and income generated:** There is no scope for patents in the field of Economics.

24. **Areas of consultancy and income generated:**
Consultancy in the usual sense is not present.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

Sibranjan Misra, Professor (Retired) –

- a) Rajib Gandhi University Itanagar 2009.
- b) Institute for Studies in Moral Philosophy, Ichikawa Prefecture, Japan, 2009.
- c) Assam University, Silchar, 2010.
- d) Gourbanga University, 2010.
- e) Tokyo International University Tokyo, 2009.
- f) Netaji Nagar College, Kolkata, 2010.
- g) Indian Institute of Management, Shillong, 2010.

- h) North Bengal University, Darjeeling, 2010.
- i) University of Burdwan, Burdwan, 2010.
- j) International Centre for Studies on Comprehensive Development, Guwahati, 2011.
- k) Dibrugarh University, Dibrugarh, 2011.

Aparajita Mukherjee, Professor (Retired)

- a) Kurumba High School, Kurumba, Birbhum, 2010.
- b) Abinashpur High School, Abinashpur, Birbhum, 2010.
- c) Gandhi Vidyapith, Ahmedabad, Gujarat, 2011.
- d) New Orleans, USA, 2009.
- e) University of Burdwan, Burdwan, 2009.
- f) Global Development Network, ODI, Colombo, Sri Lanka. 2009.
- g) B. C. College, Asansol, 2010.
- h) Rabindra Bharati University, 2011.
- i) Conference held in Midrand, South Africa, September , 2010

Madhusudan Ghosh, Professor –

- a) Indian Institute of Management, Calcutta, May 2013.
- b) Department of Economics, University of Kalyani, Kalyani, March 2013
- c) Indian Statistical Institute, Kolkata, March 2013.
- d) Rajiv Gandhi Institute for Contemporary Studies, New Delhi, February 2013.
- e) N.K. Choudhury Centre for Development Studies, Bhubaneswar (Odisha), September 2012.
- f) University of Bordeaux IV, Bordeaux, France, June 2012.
- g) Infrastructure Development Finance Corporation (IDFC), Mumbai, April 2012.
- h) Kendrapara Autonomous College, Cuttack (Odisha), February 2012.
- i) Gopabandhu Science College, Cuttack (Odisha), February 2012.
- j) IBS Hyderabad, Hyderabad, December 2011.
- k) Bankers Institute of Rural Development (BIRD), Lucknow, September 2011.
- l) Centre for Economic and Social Studies, Hyderabad, March 2011.
- m) Jamia Millia Islamia, New Delhi, February 2011.
- n) Department of Economics, University of Burdwan, March 2010.
- o) Guru Nanak Dev University, Amritsar, December 2009.
- p) Department of Economics, University of Burdwan, December 2009.

Sarbajit Sengupta, Professor –

- a) Hony Professor, Centre of Social Sciences Calcutta, 2009
- b) Visiting Professor, Economic Research Unit, Indian Statistical Institute Kolkata, 2009-12

Pranab Chattopadhyay, Professor –

- a) NABARD, Bankura 2010
- b) Rabindra Bharati University, 2011
- c) Department of Central Excise, 2011
- d) Kashipur Michael Madhusudan College, Purulia, 2011.
- e) VK Singh University, Ara, Bihar, 2011.
- f) JK College Purulia, 2011.
- g) Burdwan University 2013.
- h) Netaji Nagar College, Kolkata, 2010.
- i) Abinashpur High School, Abinashpur, Birbhum, 2010.

Sudipta Bhattacharya, Professor –

- a) ICCR Visiting Chair Professor -Copenhagen Business School Denmark, 2009-10.
- b) Omeo Kumar Das Institute of Social Change and Development, Guwahati, 2010.
- c) Indian Academy of Social Sciences, Bhubaneswar, 2012.
- d) Rosa Luxemburg Stiftung, New Delhi, 2012.
- e) Saheed Surya Sen Bhavan, Jodhpur Park, Kolkata on 2012.
- f) Dept. of Economics, Calcutta University, 2012.
- g) Nagar College, Nagar, Murshidabad, 2012.
- h) Centre for Marxian Studies, Jadavpur University, Kolkata, 2012.
- i) Loreto College, Kolkata, organized by Dept. of Economics and Dept. of Political Science, 2011.
- j) OKD Institute of Social Change and Development, Guwahati, 2011.
- k) Asia Research Centre, Copenhagen Business School, Denmark, 2011.
- l) Department of Economics, University of Calcutta, 2011.
- m) Centre for Economic Studies and Planning, Jawaharlal Nehru University, New Delhi, 2011.
- n) Xavier Institute of Management, Bhubaneswar. 2010.
- o) Dept. of Sociology, University of Lund, Sweden, 2010.
- q) Queen Elizabeth House, Oxford, 2010.
- r) Development Studies, Cambridge, 28.04.2010.
- s) Joshi-Adhikari Institute of Social Studies, New Delhi, 2009.
- t) Union Christian Training College, Berhampore 2013.
- u) National Institute of Rural Development, Hyderabad, 2012.
- v) Indian Institute of Technology, Guwahati, 2010.

Pranab Kanti Basu, Professor –

- a) The Department of Economics, University of Kalyani, 2009.
- b) Dept. of Economics, Calcutta University in collaboration with Academic Staff College Calcutta University, 2013. (Twice)

- c) Dept. of Political Science, Calcutta University in collaboration with Academic Staff College Calcutta University, 2013. (Twice)
- d) Asian Society for Innovation Planning in collaboration with NISTADS, New Delhi, 2013.
- e) Agro-Economic Research Centre, Visva-Bharati, Santiniketan, 2013.

Apurba Kumar Chattopadhyay, Professor –

- a) MEA- ICCR Chair Professor, Centre for Contemporary Indian Studies, University of Colombo, Sri Lanka, April-July, 2012.
- b) Visiting Professor, Department of Economics, University of Colombo, Sri Lanka. 2012.
- c) Guest Faculty, Department of Commerce, University of Calcutta, 2009-12.
- d) University of Agricultural Science, Dharwar, Karnataka, 2011.
- e) Jamia Millia Islamia, New Delhi, February 2011.
- f) R. K. Mission Vidyamandira, Belur Math (Autonomous College), 2010-12.
- g) Institute of Development Studies Kolkata (IDSK), 2010.
- h) Rabindra Bharati University, Kolkata, 2010
- i) Institute of Development Studies Kolkata, 2009.
- j) Rabindra Bharati University, Kolkata, 2009,
- k) Calcutta University Department of Commerce; 2009
- l) Burdwan University 2009
- m) Vivekananda College for Women, Kolkata 2010
- n) M. M. College, S.K.B. University, Purulia, 2011.
- o) S. R. Lahiri Mahavidyalaya, University of Kalyani, Majdia, Nadia, 2012.
- p) Rabindra Bharati University, Kolkata, 2013.

Santadas Ghosh, Associate Professor –

- a) South Asian Network for Development and Environmental Economics (SANDEE), Kathmandu, Nepal, 2009, 2010, 2011, 2012, 2013, 2014.
- b) BRAC University, Dhaka, Bangladesh, 2012
- c) Asian Institute of Technology, Bangkok, Thailand, 2010.
- d) Asian Development Bank Workshop New Delhi, 2011
- e) Visiting Faculty, University of Goa, Department of Economics, 2013
- f) Visiting Faculty, University of Calcutta, 2012-13
- g) Visiting Faculty, Jadavpur University, 2011
- h) Visiting Faculty, Burdwan University, 2010

Saumya Chakrabarty, Associate Professor –

- a) The New School, New York, USA, November 2009.
- b) Brown University, Providence, Rhode Island, USA, June 2010.
- c) The Max Planck Institute for Economics, Jena, Germany, February 2011.

- d) University de Catholica Argentina, Buenos Aires, June 2011.
- e) Visiting Fellowship at The UGC-DRS Centre (Calcutta University) March 2011.
- f) Bordeaux University, France, June 2012.
- g) The Fletcher School, Tufts University, USA, November 2012.
- h) Sao Paulo School of Economics, Sao Paulo, Brazil. January 2013.
- i) The Brown University, USA, May 2013.
- j) Congress of the Latin American Pol Sc Association, Bogota, Colombia, September 2013.
- k) Also visited ISI, JU, IGIDR, SAU etc in India.

Biswajit Mandal, Assistant Professor –

- a) Japan Society for the Promotion of Science visiting fellowship, Kobe University, Japan, May-June, 2013.
- b) C V Raman Post-doctoral fellowship, University at Albany, SUNY, USA, 2013- 2014.
- c) BRIKEN Workshop and Summer School on International Trade and Finance, Brixen, Italy 12-17th Sept, 2011 (1 week)

Amit Biswas, Assistant Professor –

- a) Technical University, Dresden, Alexander von Humboldt fellowship, Germany from 2009 – 2011.
- b) Summer School in Economics at University Milano, Italy, September, 2009.
- c) Training Programme on Economics of Corruption at University Of Passau, Germany from October, 2009.
- d) University of Paris Quest sponsored ESNIE Workshop at Cargése, France, May.2010.
- e) Summer School in Institutional Economics at Higher School of Economics, Moscow, Russia from, July, 2010.
- f) Summer School on Advanced Economics & Econometrics at University of Crete, Greece from August, 2010.

Soumyadip Chattopadhyay –

- a) Commonwealth Academic Fellowship 2013 (awarded by the Commonwealth Scholarship Commission UK) and Visiting Scholar - Department of Town and Regional Planning, University of Sheffield.
- b) Bonn, Germany in 2010 21st Conference on Modern South Asian Studies at.
- c) 1st Development Conference at Damascus, Syria in 2010.
- d) Brooks World Poverty Institute, University of Manchester, November 2013
- e) Development Planning Unit, University College London November 2013.
- f) Centre of South Asian Studies, SOAS, University of London, October 2013.
- g) Development Conference at Damascus, Syria in 2010.

26. Faculty serving in**a) National committees:****Sudipta Bhattacharyya –**

- i) Member of the project execution of National Knowledge Commission, 2008-11.
- ii) The Governor nominee in the Governing Body of Bolpur College, 2008-11.
- iii) Member of the Committee to prepare Human Development Report of West Bengal on behalf of the Government of West Bengal and wrote a background paper, 2008-11.

b) International committees: Nil**c) Editorial Boards:****Sudipta Bhattacharyya –**

- i) Permanent Member of the Editorial Advisory Board of the International Journal: The International Journal of Pluralism and Economics Education, edited by Jack Reardon, Inderscience Publishers, Geneva. Will be Guest Editor on Economics Education in India: Past, Present and Future, Vol.4, No.4, Dec, 2013.
- ii) Member of the Editorial Board of the National Journal: 'JIS Management Vista' which is the bi-annual journal of JIS College of Engineering, Kalyani.
- iii) Member, Editorial Advisory Board: 'Prayas – An International Journal of Multidisciplinary Studies' (Applied for ISSN No).

Sibranjan Misra –

- i) Nominated as a member on the Board of Editors in *The Journal for Economics of Development* published by The Serials, New Delhi in 2011.

Pranab Kanti Basu –

- i) Member of the editorial board of *Prachya*, Journal of the Centre for South Asian Studies, University of Kolkata.

d) Any other (please specify): Nil**Sibranjan Misra –**

- i) Nominated by the Chancellor as an external member to serve on the Academic Council of Rajiv Gandhi University, Arunachal Pradesh for the period 2011-2013.

Sarbajit Sengupta –

- i) Member, University Council, University of Gour Banga
- ii) Member, General Body, Institute of Development Studies, Kolkata

Apurba Kumar Chattopadhyay –

- i) Appointed as an external expert member of the Board of Studies in Economics of the Ramakrishna Mission Vidyamandira, Belurmath (An Autonomous Institute).
- ii) Elected as member of the Executive Committee of the Bengal Economic Association.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Teachers do participate in UGC Refreshers' Course, Orientation Course and workshops as per UGC Norms and also some senior faculties participate in these programmes as resource persons. However, the Department did not organize any such courses during the period asked for. The university is expected to start Academic Staff College soon.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100% of PG students. All students at the PG level are required to do a project based dissertation on either primary or secondary data.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:**

29. Awards / recognitions received at the national and international level by

a) Faculty:

Sudipta Bhattacharyya –

- i) Chair Professor of Indian Studies by the Indian Council of Cultural Relations, New Delhi, 2009. Appointed in Copenhagen Business School, Copenhagen, Denmark during 2009-10.

Apurba Kumar Chattopadhyay –

- i) MEA-ICCR Chair Professor of Indian Studies at the Centre for Contemporary Indian Studies, University of Colombo, Sri Lanka during April-July, 2012.

Amit Kumar Biswas –

- i) Humboldt Fellow, TU-Dresden, Germany, 2009-11.

Soumyadip Chattopadhyay –

- i) Commonwealth Fellow, University of Sheffield, UK, 2013.

Biswajit Mandal –

- i) Raman Fellowship, University of Albany, USA, 2013-14.

b) Doctoral / post doctoral fellows:

- i) Rajib Gandhi National Fellowship awarded to Sri Anupam Hazra & Ms. Dipanwita Bhakat who are Ph. D. Scholars attached to this department.

- ii) The following Ph. D. Scholars were selected and participated in the ICSSR sponsored National Workshop on Research Methodology on Social Science. Details are given below:
- Sushovan Hazra at NEHU, Shillong, Meghalaya.
 - Anupam Hazara at NEHU, Shillong, Meghalaya.
 - Amit Mandal at NEHU, Shillong, Meghalaya.
 - Pritikona Char at SKB University, West Bengal,
 - Rajib Dey at SKB University, West Bengal,
 - Anamika Moktan, TISS, Mumbai.
 - Anupam Hazra, TISS, Mumbai.
 - Poushali Bhattacharya, BESU, West Bengal
- c) **Students:**
- i) Sri Nirupam Saha: Participated and made poster presentation on floristic diversity of Lavpur, & Sainthia in Birbhum district of West Bengal at the Indian Science Congress held in Chennai in 2010.
- ii) Sreejit Roy was placed 14th in the 6th HDCA International Rating Chess Championship held at Jadavpur University in 2013.
- iii) Our students have participated in the following programmes:
- Participated in District Level “*Youth Parliament Competition*”, 2008-09.
 - Participated in District Level “*Youth Parliament Competition*”, 2009-10
 - Participated in “*University Youth Festival*” in Debate, Elocution and Quiz, Visva-Bharati, 2013.
 - Participated in “*What I Can Do*” Essay contest at the All India Essay Contest for “Damodarshree, National Award for Academic Excellence 2013”, 2013.
 - Participated in “*Inter-University Zonal Youth Festival*” in Debate, Elocution and Quiz, from Visva-Bharati at LNMU, Darbhanga, Bihar, 2013.
 - Participated in “*Quiz Gallery on Atmospheric and Ocean Science & Technology*”,
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
- a) National Seminar on “Current World Economic Crisis and the Indian Economy”
Departmental (University) resources, 22. 02. 2009
- b) National Seminar on “Contemporary Issues in Agriculture, Environment and

- Rural Development” UGC SAP(DRS I) , March 13-15, 2010
- c) National Seminar on “Prospects and Challenges for Rural Economic Development” during March 11-13, 2011. UGC-SAP (DRS-1) Scheme
 - d) National Conference on “Development and Governance” funded by Eastern Regional Centre ICSSR, November 11-13, 2011
 - e) National Seminar on “Globalization, Agrarian Economy and Environmental Challenges in India” under UGC-SAP (DRS-I) March 15-16, 2012
 - f) National Seminar on “Rural Development and Planning in India” sponsored by Planning Commission Endowment, March 16-17, 2012
 - g) National Seminar on Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization, UGC SAP and AK Dasgupta Memorial Centre (Planning Commission Endowment), November 23, 2012
 - h) National Seminar on challenges in Agriculture, Environment and Rural Development in West Bengal since Independence, under UGC SAP (DRS-I) March 15-16, 2013
 - i) Economic Ideas : Seminar in Memory of Prof Ashis Dasgupta” organized jointly with Bangiya Arthaniti Parishad, March 16 , 2013
 - j) National Seminar on Economic Development: Theory and Practice March 16-17, November, 2013

31. Code of ethics for research followed by the departments:

As per university norms. We follow the standard IT based procedures for identifying plagiarism.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| U.G. (2010-11) | | 7 | 8 | | |
| (2011-12) | | 11 | 10 | | |
| (2012-13) | | 16 | 17 | | |
| (2013-14) | | 14 | 12 | | |
| P.G. (2010-11) | 42 | 06 | 10 | | |
| (2011-12) | 46 | 06 | 10 | | |
| (2012-13) | 53 | 12 | 09 | | |
| (2013-14) | 52 | 12 | 10 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| U.G. | 12 | 78 | 8 | 2 |
| P.G. | 5 | 94 | 1 | Nil |
| Ph.D | 25 | 50 | 20 | 5 |
| Certificate Course | 25 | 50 | 20 | 5 |
| Diploma Course | 55 | 30 | 15 | Nil |
| Foreign Casual Course | 75 | 20 | 5 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

a) NET : 08

35. Student progression:

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | 92% |
| PG to M.Phil. | 12% |
| PG to Ph.D. | 15% |
| Ph.D. to Post-Doctoral | NA |
| Employed | NIL |
| <ul style="list-style-type: none"> Campus selection Other than campus recruitment | |
| Entrepreneurs | NA |

36. Diversity of staff:

| Percentage of faculty who are graduates | BA/BSC | MA/MSC/MStat | PhD |
|--|--------|--------------|-----|
| of the same university | 0 | 0 | 1 |
| from other universities within the State | 17 | 16 | 9 |
| from universities from other States | 0 | 1 | 2 |
| from universities outside the country | 0 | 0 | 1 |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 02 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** There is a Seminar Library run by the teachers of the Department No. of Books = 1933.
- b) **Internet facilities for staff and students:** All Computers for teachers and those in the student computer laboratory have internet connection.
- c) **Total number of class rooms:** 07
- d) **Class rooms with ICT facility:** Nil
- e) **Students' laboratories:** 1 computer laboratory for students
- f) **Research laboratories:** Nil

39. List of doctoral, post-doctoral students and Research Associates:

| | Doctoral (PhD) students | Post Doctoral Students | Research Associates |
|----------------------|---|------------------------|---------------------|
| From host University | a) Pralay Kundu b) Debashis Mukherjee c) Koushik Dan d) Bikash Saha e) Sujan Ray f) Mithun Sinha Ray g) Dipannwita Bhakat h) Susovan Hazra i) Poushali Bhattacharya j) Sumana Mukherjee k) Sudipta Ray l) Yojana Kharga m) Kasturi Sadhu n) Pritikana Char | None | None |
| | Doctoral (PhD) students | Post | Research |

| | | Doctoral Students | Associates |
|-------------------------|---|-------------------|------------|
| From other Universities | a) Anamika Moktan b) Debashis Ghosh c) Rajib Dey d) Gouriprasad Nanda e) Somnath Bonyopadhyay f) Rajkumar Kundu g) Sumita Biswas h) Kakali Sen i) Biswajit Halder j) Simantini Chattopadhyay k) Kaberi Pal l) Lipsa Ray m) Sudip Das n) Anupam Hazra | None | None |

40. Number of post graduate students getting financial assistance from the university: 23 (M.A.: 11; Ph.D.: 12)
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
- Computer Application syllabus radically reformed to suit the need of the changing job market in financial and analytics companies.
 - MPhil course started in response to the demands of the outgoing PG students from Visva-Bharati and other universities.
 - Integrated Maths-Stats subsidiary course started for the honours students. This course was fashioned to suit the needs of the students as per the suggestion of the Vice-Chancellor as the existing subsidiary syllabi did not suit the specific needs of Economics students.
 - We are planning to introduce SAS (an advanced statistical package widely used in business analytics). We have already interacted with professionals and reported the same to the competent authority.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, issues relating to curriculum are regularly discussed in the Board of Studies where all faculties are members and regularly updated.

- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Feedback is obtained directly from the Vidya Bhavana, Faculty of Social Sciences. The Department does interact with the students at the Teacher-Student Committee which are held regularly.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback:** As stated above.

43. List the distinguished alumni of the department (maximum 10):

- a) Dr. Tapas Chakraborty (Deputy Governor of RBI, (retired))
- b) Prof Tirthankar Roy (Faculty, London School of Economics, UK)
- c) Prof. Arupratan Daripa (Faculty, Berbeck College, UK)
- d) Dr. Dipita Chakraborty (Faculty, IIM, Lucknow)
- e) Dr. Sunanda Sen (Economic Advisor, Govt. of Qatar)
- f) Suman sarkar, Former Professor, Visva-Bharati.
- g) Ashok Majumdar, Former Professor, Visva-Bharati.
- h) Dr. Rarshi Mitra, Faculty, University of Wisconsin, Milwaukee, USA.
- i) Dr. Puspita Ranjan Bhattacharya, Former Principal, Vijay garh College, Kolkata.
- j) Bodhirupa Sinha, Adhyaksha, Patha Bhavana, Visva-Bharati.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

| Special Lectures | Workshops | Seminars |
|-----------------------|-----------|-----------------------|
| 12 (invited lectures) | NIL | 7 (national seminars) |

- a) Dr Tapas Chakrabarty, Ex chief Economic Advisor, RBI, “Monetary Policy Making: Indian Experience”, 12.01.2009
- b) S.P. Shukla, Ex-Finance and Commerce Secretary, GOI – Globalization and Agrarian Crisis in India, 5.2.2009
- c) Prof Lassi Linnanen Professor of Environmental Economics and Management, University of Technology, Finland, Sustainable Climate Innovations, 21.03.2009
- d) Beth Payne US Consul General Kolkata, ‘US – India Relations’, 24.07.2009
- e) Dr Tushar Nandi, University of Sienna Italy, ‘Economic Shock and Child Labour in Palestine’, August 6, 2009
- f) Prof Ramprasad Sengupta, Prof CESP, JNU, “Energy Poverty, Income Poverty and Income Security” August 25-26
- g) Prof. Jack Reardon, Professor, Dept of Management and Economics, School of Business, Hamline University, USA has given a seminar talk on ‘Getting Published: Tips from an Editor’ on January 9, 2011.

- h) Prof. Jack Reardon, Professor, Dept of Management and Economics, School of Business, Hamline University, USA has given a seminar talk on 'Global Labour Market after the Financial Crisis: A Special Emphasis on Agriculture, Rural Development and Environment' on January 17, 2011.
- i) Prof. Antony P. De Costa, Professor of Indian Studies and Research, Asia Research Centre, Copenhagen Business School, Denmark has given a seminar lecture on 'Critical perspectives on China's Economic Transition', November 20, 2011.
- j) Prof. Pinaki Bose, Head, Dept. of Economics, University of Manitoba, Canada has given a lecture on 'Harassment, Coercion and inefficiency of Voluntary Contracts' on November 22, 2010.
- k) Maidul Islam, DPhil Candidate in Politics at Brasenose College, Oxford and with the Dept of Politics and International Relations, University of Oxford gave a seminar talk on 'Critical Perspective on Amartya Sen's Idea of Justice', on September 4, 2010.
- l) Professor Avijit Sen, Member, Planning Commission, Government of India delivered a special lecture "Are Poverty measures useful to allocation of Public Resources?" on 22nd September, 2012. *[In collaboration with A.K. Dasgupta Centre for Planning and Development]*
- m) Professor Jayati Ghosh, Centre for Economic Studies & Planning, Jawaharlal Nehru University, New Delhi delivered a special lecture "Social Spending as a means of Rural Employment Generation" on 22nd September, 2012. *[With financial assistance from UGC-SAP (DRS-I)]*
- n) Sayan Banerjee, Doctoral Student & Graduate Research Assistant, Department of Political Science, Georgia State University, Atlanta, GA & Visiting fellow, Institute of Foreign Policy Studies, University of Calcutta delivered a talk on "Regionalism and Ethnic Politics in the context of Rural Development in India, on 21st July, 2012.
- o) Swami Chetananda, Minister in charge, Vedanta Society, St. Louis, USA, delivered a talk on "Swami Vivekananda and our Society" on 23rd February, 2013.
- p) Dr. Parthapratim Pal, Associate Professor, IIM Kolkata, delivered a seminar titled "Financial Crisis to Food Crisis: Making of the Silent Tsunami" on 1st March, 2013.
- q) Dr. Saubhik Deb, Consultant, SASDU, World Bank, delivered a seminar titled "The Killing Fields: Food Policy and Food Security in India" on 1st March, 2013.

- r) Dr. Mihir Bhattacharya, Professor Emeritus, Film Studies, Jadavpur University delivered a seminar titled “Media and Primitive Accumulation” on 4th March, 2013
- s) Dr. Atulan Guha, Faculty in Institute of Rural Management, Anand (IRMA, Gujarat), delivered a special lecture titled “Agricultural Wage Causing Food Price Increase” on 22nd March, 2013.
- t) Dr. Maitrayee Mukerji, Assistant Professor, Centre for Studies in Social Management, School of Social Sciences, Central University of Gujarat, Gandhinagar, delivered a seminar titled “Access, Use and Impasse of E-Choupal: Findings from Village Level” on 22nd March, 2013.
- u) Prof. Amiya Kumar Bagchi, Professor Emeritus, Institute of Development Studies, Kolkata (IDSK) delivered a special lecture titled “Global Crisis and Economies of India and China” on 17th March, 2013. It was the Valedictory for the two-day National Seminar on “Economics and Development: Theory and Practice”, organized by the Department.

45. List the teaching methods adopted by the faculty for different programmes:

Usual classroom lecturing including computer practical and power-point presentations are done. Students are also encouraged to give presentation through audio visual method in the class.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Regular internal assessment examinations take place. Teachers also interact the students outside the classroom and take tutorial / remedial classes. Programme objectives and syllabus updating is regularly discussed in the Departmental BOS meetings.

47. Highlight the participation of students and faculty in extension activities:

Extension activities including field trips for study are held regularly. In the last few years extension programmes on rural economics, environmental issues and school education took place. A large number of our students and faculty participated in this programme. A monograph:

Reaching Out (Report of the Extension Programme of the Deptt of Economics & Politics), has been published in December, 2012.

Extension programme on Eco-tourism in the neighbouring district of Murshidabad.

Extension programme on environmental impact of thermal power generation in Bakreswar.

Extension programme on problems and prospects of home-stay tourism in Doors and Himalayas.

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Organized a workshop on ‘Sustainable Agricultural Practices’ on 25th September, 2010 at Abinashpur Sriram High School, Abinashpur, Birbhum, as part of the Extension Programme. The progressive farmers of the area, vocational students of the school, our students and staff will attend the workshop. Dr. Sukanta Dasgupta, Assistant Director of Agriculture (Administration) & Mr. A. K. M. Minazur Ahasan Assistant Director of Agriculture (Seed Certification), Suri, Birbhum were the resource persons.
- b) Organized a workshop on ‘Organic Farming with special Reference to Folk-rice Varieties’ on 18th December, 2010 at Kurumba High School, Kurumba in Ausgram-I Block of district Burdwan. The progressive farmers of the area, vocational students of the school, our students and staff will attended the workshop. Mr. Abhiro Chakraborty Fisheries Extension Officer, Galsi-I Development Block & Dr. Sukanta Dasgupta, Assistant Director of Agriculture (Administration) acted as the resource persons.
- c) Organized a workshop on “Education, Gender and Development in West Bengal” on 13th March, 2011 in the Seminar Hall of the Department of Economics and Politics. Our students, students of other departments, students of nearby colleges and our staff actively participated in the workshop. Professor Jyotsna Jalan of the Centre for Studies in Social Sciences, Calcutta, Professor Ishita Mukherjee, Director, Women’s Studies Centre, University of Calcutta and Professor Raj Kumar Sen of Rabindra Bharati University were the resource persons. The students of the department, Anamni Gupta, Pritam Bhakat, Smriti Prasad, Durgesh Mani Tiwari and Soumyajit Chakraborty were also among the speakers at the workshop.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:

Department wise gradation in Visva-Bharati is yet to be done. However, Visva-Bharati ranked as a university within India ranked 14 by India Today.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Faculty members are working on generation of both policy oriented knowledge as well as theoretical knowledge in the field of economics & politics. Some of the work has already been submitted as reports and papers.

- a) Disaster management in the Sunderbans.
- b) Crop diversity in the Himalayas.
- c) Urban planning.
- d) Modelling international trade.

- e) Corruption modelling.
- f) New economic criticism.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Strong research and teaching capabilities in agricultural, environmental and rural economics, research in land and land tenure, farm management surveys. Presently recipient of UGC sanctioned SAP project with thrust area of 'Agriculture, Environment and Rural Development' along with many projects sponsored by UGC, ICSSR, SANDEE.
- ii) Expertise in development planning. A long term collaborative work with the Planning Commission is going on under the A. K. Dasgupta Centre for Planning and Development funded by the Planning Commission in 1996. A. K. D. Centre has been housed in the dept and the Chair Professor of the Centre belongs to our Dept.
- iii) Close integration has been made with the Agro Economics Research Centre under Ministry of Agriculture. The AERC director is now a faculty member of the dept.
- iv) An emerging strength in both theoretical and empirical research in International and Development Economics with a significant number of faculty publishing in International and National Journals in these areas.
- v) A significant international community of students hailing from Bangladesh, Korea, Japan, Thailand, China. We also have a large number of students from states other than West Bengal. Many students are in important positions in academic and non-academic positions in India and abroad.

b) Weaknesses:

- i) Building in bad state of disrepair.
- ii) Intermittent internet facility.
- iii) No seminar hall with modern facilities and adequate reading room space in seminar library.
- iv) Absence of student facilities like common room and placement cell.
- v) Absence of strong ties with previous students (alumni)

c) Opportunities:

- i) Almost completed 1st phase of SAP. Expect to attain higher SAP say DRS-II or Centre for Advanced Studies.
- ii) A. K. Dasgupta Centre will be formally inaugurated at its new building in Purva-Pally. We, hope to receive more grants from Planning Commission and will expand its research scope and areas. Also expect to introduce

departmental journal in collaboration with the A. K. Dasgupta Centre.

- iii) Greater integration with Agro-Economic Research Centre. More grants and scope of research is expected from the Ministry of Agriculture.
- iv) Expected to introduce more theory oriented as well as policy oriented research. Hope to initiate exchange programmes with national and international institutions and co-ordinate with the action based research with policy makers.
- v) Introduction of placement cell and building up alumni network through student reunion and similar programmes.

d) Challenges (SWOC) of the Department:

- i) To improve departmental infrastructure to facilitate research.
- ii) To improve student placement and attract better students
- iii) To expand interdisciplinary research activities with other discipline say Political Science, History, Statistics, Journalism and Mass Communication etc. Some interdisciplinary courses may be introduced like Development Studies.
- iv) To upgrade research programmes like MPhil and PhD.
- v) To generate funds through collaboration with educational foundations in India and abroad.

52. Future plans of the department:

- a) To have more space provision for classrooms and research scholars.
- b) To continue and enhance the status under the UGC-SAP Programme.
- c) To start a few smart classrooms.
- d) To provide more optional courses at the post-Graduate level.
- e) Regular publications of working papers

Evaluative Report of the Department of Philosophy & Religion

1. **Name of the Department :** Department of Philosophy & Comparative Religion
2. **Year of establishment :** 1919
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D., D.Litt. etc.
5. **Interdisciplinary programmes and departments involved:** Indology, Sanskrit, Arabic, Persian, Urdu, Islamic Studies, Indo-Tibetan Studies, Integrated Science Department, Rabindra Bhavana etc. for Seminars, lectures, Conferences and different academic assignments etc.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Exchange programmes took place between Department of Philosophy and Religion, Visva-Bharati, and the Department of Religious Studies, Lusane University, Switzerland and also the Council for Research in Values and Philosophy (CRVP), Washington, D.C. and also published jointly some books /articles in 2009-10 and 2012-13.
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System:** Annual System for U.G. (for back candidates) is still operational, however Semester System both at UG and PG levels are going on and also there is a one year Foreign Casual Course system run by the Department on Indian Philosophy. Almost every year some foreign students join this course and obtaining their respective degree.
9. **Participation of the department in the courses offered by other departments :** The Department of Philosophy and Religion occasionally participated in various academic assignments in Bengali, English, History, Sanskrit, Islamic Studies, Rabindra Charcha under Rabindra Bhavana and also extended its collaboration with these departments for their subsidiary papers both at UG and PG level.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|--------------------------------------|--|---------------------------------|
| Professor | 3 (2 for Philosophy+ 1 for Religion) | 1 (for Philosophy) 1 post for Comparative Religion and 1 post for Philosophy are lying vacant. | 5 |
| Associate Professors | 5 | 3 filled for Philosophy, 2 are vacant. | 4 |
| Asst. Professors | 12 | 5 (3 for Philosophy, 2 for Comparative Religion) | 6 |
| Others | 3 (2 for Philosophy+ 1 for Religion) | 1 (for Philosophy) 1 post for Comparative Religion and 1 post for Philosophy are lying vacant. | 5 |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Sirajul Islam
 Qualification : Ph.D
 Designation : Professor
 Specialization : Islam & Sufism, Bhakti Philosophy, Mysticism.
 No. of Years of Experience : 18
 No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- b) Name : V. Raman
 Qualification : Ph.D
 Designation : Professor
 Specialization : Western Philosophy
 No. of Years of Experience : 25
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) Name : Maya Das
 Qualification : Ph.D

- | | | |
|--|---|--------------------------------------|
| Designation | : | Assistant Professor |
| Specialization | : | Indian Philosophy, Vedanta, Hinduism |
| No. of Years of Experience | : | 33 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- d) **Name** : Ranjan Mukhopadhyay
- | | | |
|--|---|--|
| Qualification | : | Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Logic, Philosophy of Logic, Philosophy of Language |
| No. of Years of Experience | : | 28 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- e) **Name** : Kausik Bhattacharya
- | | | |
|--|---|----------------------------------|
| Qualification | : | Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Contemporary Western Metaphysics |
| No. of Years of Experience | : | 15 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
- f) **Name** : Anup Barman
- | | | |
|--|---|--|
| Qualification | : | Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Indian Philosophy in General and Nyaya-Vaisesika in particular |
| No. of Years of Experience | : | 17 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 04 |
- g) **Name** : Gour Hazra
- | | | |
|--|---|---|
| Qualification | : | Ph.D |
| Designation | : | Assistant Professor |
| Specialization | : | Buddhism and Jainism, Indian Philosophy |
| No. of Years of Experience | : | 12 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 06 |
- h) **Name** : Mousumi Roy
- | | | |
|----------------------|---|------|
| Qualification | : | Ph.D |
|----------------------|---|------|

- | | | |
|--|---|---|
| Designation | : | Assistant Professor |
| Specialization | : | Sociology & Phenomenology of Religion, Tribal Religion |
| No. of Years of Experience | : | 8+ |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
- i) **Name** : Rekha Ojha
- | | | |
|--|---|---------------------|
| Qualification | : | Ph.D |
| Designation | : | Assistant Professor |
| Specialization | : | Applied Ethics |
| No. of Years of Experience | : | 03 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- j) **Name** : Manjari Chakraborty
- | | | |
|--|---|--------------------------------------|
| Qualification | : | Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Philosophy of Science and Technology |
| No. of Years of Experience | : | 14 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
- Professor O' Connell, Department of Philosophy University of Toronto, Canada, visited our Department in 2009 for 1 month.
 - Professor A.H. Khan, Trinity College, University of Toronto, Canada, visited our Department in 2010 for 3 weeks.
 - Professor Kazi Nurul Islam, Chairman, Department of World Religions, Dhaka University, Bangladesh, visited our Department for 7 days in the year 2011.
 - One Emeritus Professor recently joined, Dr. Kalyan Kumar Bagchi.
 - Professor James Loiaconno, The Catholic University of America, Washington, DC USA in January 2013.
 - Father Menam Parampril, Chairman, Don-Bosco University, Guwahati, Assam, 2013.
- 13. Percentage of classes taken by temporary faculty — programme-wise:**
- Dr. Priyadarsani Mitra has taught almost two years as a temporary faculty member and she taught Buddhism, Chinese religion, Judaism etc. The percentage of classes taken by her 1:26/ 4%, from the total ratio is 15:220

14. Programme-wise Student Teacher Ratio :

- a) UG: 1:16
- b) PG : 1:16
- c) Ph.D : 1:4

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative | 06 | 04 | 04 |
| Support staff (technical) | 0 | 0 | 0 |

16. Research thrust areas as recognized by major funding agencies:

Fund received from UGC unassigned grants to individual teachers of the Dept. for research purpose during the period under report, and research are confined particularly on various disciplines of Philosophy and Comparative Religion like Metaphysics (Indian and Western Ethics), Buddhism, Jainism, Sufism, Islam, Communal harmony, National Integration, World Peace and Social Solidarity. Teachers those who are keenly engaged in pursuing research are: Prof. Md. Sirajul Islam, Prof. Asha Mukherjee, Prof. Bijoy Mukherjee, Prof. Sabujkali Sen, Dr. Mousumi Roy, Dr. Manjari Chakraborty, Dr. Gour Hazra.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**a) National:****Asha Mukherjee-**

- i) Contribution of Women in Ashram Life of Santiniketan (From 1901-2000), Academic Study of Religion in India: Concept, History and Importance
- ii) Go: India Project, Representative of the Partner Institution, Visva-Bharati.

b) International:**Asha Mukherjee-**

- i) Translation of Schlomith F. Flaum's biography of Rabindranath Tagore from Hebrew to English (Jointly with Gur Leveh from Israel).

18. Inter-institutional collaborative projects and associated grants**a) National collaboration:**

- i) One collaborative seminar was conducted by Prof. Bijay Mukherjee with the Asiatic Society, Kolkata during the period under report.

b) International collaboration:

- i) Organized the 5th International Conference of Korean and Indian Writers and

Artists on Mythology, Mysticism, Literal Arts of Suffering and Redemption organized by the Dept. of Philosophy & Religion, Visva-Bharati, Santiniketan and Korean Artists for India, South Korea on 19th July 2012 at Lipika Auditorium, Visva-Bharati.

- ii) Organized Two Day National Seminar on Values and Contemporary Indian Culture: Indian Perspective jointly organized by The Council for Research for Values and Philosophy (CRVP), Washington, D.C., USA in January 14-15, 2013. Funding Resource- Registration fee taken from the participants.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

Once Department of Philosophy and Comparative Religion had Special Assistance Program (SAP) and Advanced Study Centre was set up by the renowned Professor Kalidas Bhattacharya.

Some projects are handled by Professor Asha Mukherjee are mentioned below:

- a) Contribution of Women in Ashram Life of Santiniketan (From 1901-2000)
- b) Academic Study of Religion in India: Concept, History and Importance
- c) Go: India Project, Representative of the Partner Institution, Visva-Bharati University

20. Research facility / centre with

- a) **State recognition :** Not yet
- b) **National recognition:** Not yet
- c) **International recognition:** Research work on Comparative Religion and Indian Philosophy of the Department are highly recognized by the various international universities like the Catholic University of America, Washington DC, USA, Lusane University, Switzerland, and Alberta University, Buenos Aires, Argentina. Professor Bijoy Mukherjee, Prof. Asha Mukherjee visited Lusane University, Switzerland respectively in the year 2010-11 as exchange program between the Department of Philosophy and Comparative Religion and also the Department of Religion of the Lusane University. Prof. Md. Sirajul Islam visited Iranian Institute of Philosophy, Tehran, Iran, Tehran University, Iran, University of Athens, Greece and Alberta University, Buenos Aires, Argentina, respectively in the year 2010 and 2013. The research works of the departments were highly recognized by the above mentioned universities abroad

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:**a) No. of papers published in peer reviewed journals (national/international):**

| | | |
|-----------------------|---|-----------|
| | – | |
| Asha Mukherjee | – | 01 |
| Gour Hazra | – | 04 |
| Kausik Bhattacharya | – | 02 |
| M.P. Terrance Samuel | – | 07 |
| Manjari Chakraborty | – | 02 |
| Maya Das | – | 01 |
| Md. Sirajul Islam | – | 03 |
| Mousumi Roy | – | 02 |
| Rekha Ojha | – | 02 |
| Sabujkali Sen (Mitra) | – | 01 |
| Total | – | 25 |

b) Monographs:

Kausik Bhattacharya –

- i) *Sartre's Darshan*, 2010, The University of Burdwan, Burdwan (in Bengali).

c) Chapters in Books:

Asha Mukherjee –

- i) “Tradition, Globalization and Cultural Identity” in *Buddhism and Its Social Significance for the Asian World*, Ed. Andrea Loseries, Published by Buddhist World Press, Delhi, 2009, pp 153-159.
- ii) “Capability Approach: Theory and Practice” in *Morality and Social Justice*, Ed. Abha Singh, Decent Books, New Delhi, 2010, pp 62-73.
- iii) “Krishna Chandra Bhattacharya on Freedom” (abstract) in Ninth Israeli Asian Studies Conference, April 26-27, 2010, University of Haifa, Israel, p.13.
- iv) “Jaina Meditation: Self Purification Process Through Karmic Cycle” in *Cultural Histories of Meditation: Practice and Interpretation in a Global Perspective*, Ed. Halvor Eifring and WubshetDagne, University of Oslo, Norway, pp 449-469.
- v) *Jainism: Its Identity on the Basis of Literature and Philosophy*, in *Religion and Literature: Indian Perspectives*, Ed. By Projit Kumar Palit, Kaveri Books, New Delhi, 2011, pp 194-201

Kausik Bhattacharya –

- i) *The Observation-Theoretical Distinction Revisited*, Anthology; Publisher: Decent Books, New Delhi, 2011, Pages: 263-271.
- ii) *Truth Rationality and Verisimilitude*, Anthology; Publisher: Pearson &

PHISPC, Delhi, Reviewed , 2012, Pages:59-83.

M.P. Terrance Samuel –

- i) M.P. Terence Samuel, ‘SangaKaalaSamayam’ (Religion of Tamil Sangam Age), Thaamarai, December, 2009, pp. 21-27.

Manjari Chakraborty –

- i) “Creativity and the Growth of Scientific Knowledge” (Chapter 12) in Epistemology, Science and Cognition edited by Prajit K. Basu and S.G. Kulkarni, Hyderabad Studies in Philosophy, no. 6 (New Delhi: Decent Books: 2011) ISBN 13: 978-81-86921-54-8.

Maya Das –

- i) *A Re-consideration of Some Methods of Sanskrit Hermeneutics*, Published in Proceedings of World Sanskrit Conference, vol.5. Edited by Sri LalBahadur Shastri Rashtriya Sanskrit Vidyapith, New Delhi, 2007-2009.

Md. Sirajul Islam –

- i) “Multiculturalism and Contemporary Indian Society: A Philosophical Approach”, Published in the proceedings of 8th International Congress of Social Philosophy, Edited by, B. P. Siddhasarama, Dravidian University, Kuppam-2009.
- ii) “Cultural Transformation in Indian Islam: A Philosophical Enquiry from the Viewpoint of Our Contemporary World”, Published in the Volume-Islam, Cultural Transformation, and the Re-Emergence of Falsafah, Edited By, Karim Dogulas Crow, Iranian Institute of Philosophy, Teheran-2009 (ISBN: 978-964-8036-46-6).
- iii) Published an Anthology (Rachana Samagra in Bengali) of Dr. Zakir Nayak, in January 2010, Published By, Lekha Prakasani, 57/D College Street, Kolkata-73.
- iv) Published an Article on “Islam- O- Visva- Bhratritva” (Islam and World Fraternity) in Bengali, Edited By, AhamadHasan Imran, Weekly Column Id Issue-2009, Kolkata-16.
- v) Published an Article on “Ramadhan and NarirAdhikar” (Ramadhan and the Rights of Women) Edited By, ImdadulHaq Noor, NatunGatiPrakashani, Ramzan Special Issue-2009, Kolkata-14.
- vi) Published an Article on “Santraser Rakamfer” in Bengali (Different forms of Terrorism) Edited By, Imdadul Haq Noor, NatunGati Prakashani, Idd Special Issue-2009, Kolkata-14.
- vii) Article Accepted on “Impact of Sufism on Bengal Vaisnavism: An Analysis”, at The Parliament of World Religions, Melbourne, Australia.
- viii) Published an Abstract on “Sufi Culture and Values: An Analysis in Indian

- Perspective” at the Abstract book of Indian Philosophical congress 84th session, 2009 edited by Subhoda Joshi.
- ix) Published an Abstract in the Abstract book of Iranian Institute of Philosophy, Tehran, Iran.
 - x) Published an article on Impacts of Post-Globalization and Emerging World Order: An Analysis in Indian Perspective in the Proceedings of 9th International Congress of Social Philosophy Volume 3, 2010, pp-600-608 (ISBN-978-81-908455-3-3).
 - xi) Published an article on Position of Others in Islam: A Philosophical Reflection, Samvada, Vol-5, ed. by R.C. Sinha, Vidya Bhavana, Varanasi, 2010, pp.77-92.
 - xii) Published an article on Sufi Metaphysics: An Appraisal in Indian Perspective in Aligarh Journal of Islamic Thought, Dept. of Philosophy, Aligarh, ed. By RoshanAra, No-13, October 2007(Back Volume published in 2010) , pp. 85-107.
 - xiii) Published an article on Sufi Spirituality and Universal Harmony: A Rational Approach in Socio-Cultural Viewpoint, Book-World of Philosophy; A Harmony, ed. by Christopher Key Chappel, Shanti Prakashan, Rothak, Haryana,2010, pp. 396-410. (ISBN-978-93-81090-00-8).
 - xiv) Published an article on Embracing the Ineffable: Experiences of the Sufis, Book- Streams of Yogic and Mystic Experience (Encyclopedic volume), General editor- D.P. Chattopadhyayaedt.byManoj Das, vol-xvi, Part-3, Centre for the Studies in Civilizations, New Delhi, 2010, pp.453-470 (ISBN-81-87586-47-8).
 - xv) Published an article on The Philosophy of Being: A Critical Exposition in the Viewpoint of MullaSadra and Shaykh Ahmad Sirhindi, book-MullaSadra’s School of Western Philosophies, Vol-1, Sadra Islamic Philosophy Research Institute Publication, Tehran, 2004, pp. 313-320 (ISBN-964-7472-64-1).
 - xvi) Published an article on Islamic Morality With special Reference to Justice: An ethical Justification, Book- Morality and social Justice, ed. by Abha Singh, Decent Books, New Delhi, 2010, pp. 319-336 (ISBN-13-978-81-86921-53-1).
 - xvii) Published an article on The Mystery of Soul and Consciousness: An Appraisal in Sufi Viewpoint, Book- Spirituality and Science of Consciousness, Pub.by Swami Sarvabhutananda, Ramkrishna Mission Institute of Culture, 2011, pp. 203-226, (ISBN-978- 81-87332-96-1).

- xviii) Published an article on Rabindranather Muslim Bhavana (Bengali), Idd Volume, Kolkata, edited by Subid Abdullah, 2010.
- xix) Published an article on Santiniketane Islam Charcha (Bengali), Idd Volume, special No-1, ed. by Ahmad Hasan Imran, QalamPrakashoni, Kolkata, 2010. "Philosophy of the Faqirs-An Indian Perspective" ed. by Prof. Avani in 2009.
- xx) Published an article entitled "Sufism and the Position of Man in the Universe: A Reflection in the Religious Viewpoint" in the Book- Religion and Literature: Indian Perspective, ed. by Projit Palit, Kaveri Books, New Delhi, 2011, ISBN- 978-81-7479-119-1.
- xxi) Published an article entitled "Role of Civil Society in Framing of Good Governance: An Analysis in Indian Viewpoint" in the Book-Democracy, Civil Society and Good Governance, Published by Jagannath University, Dhaka, Bangladesh, 2011, ISBN-978-984-33-3988-1, pp.79-93.
- xxii) Published an article on "Rabindranather Dharma Chinta" in the Book-Rabindranath- O-Visva-Bharati (Bengali), ed. by Amal Pal, Published by the Visva-Bharati Alumni Association, Santiniketan, 2011, pp.84-95.
- xxiii) Published an article on "LalanShaherDarshano Islam (Bengali), NatunGati, Edd Volume, ed. by Emdadul Haq Noor, Kolkata, 2011, pp. 37-40.
- xxiv) Published an article on Iran Bhraman, (Bengali), Anahata (Bengali), Edd Volume, ed. by Subid Abdullah, Kolkata, 2011, pp.283-285.
- xxv) Published an abstract of article entitled "Identity of Person and Civilizational Crisis : A Philosophical Exposition in Islamic Viewpoint" in the Proceedings of the 2nd Conference on The Paradigms of Thinking and Conceptions of Knowledge Under the Influence of Contemporary Challenges in Practical and Applied Philosophy, Lviv, Ukraine, 2010 , pp. 39-40 (the publication received by me in 2011).
- xxvi) Published an article on Education for sustainable development in the Proceedings of 11th International Congress of Social Philosophy "Satyam Shivam Sundaram, General Editor: V.T. Patil and B. Krishnamurthy, Karnatak University, Dharwad, 2012, PP. 123-135, (ISBN-978-81-924572-0-8).
- xxvii) Published an article on Sufi Notion of Interfaith Dialogue and World Peace, Sandhan-Journal of Centre for Studies in Civilizations, Editor: D.P. Chattopadhyaya, vol-ix, Number-1, January –June 2009(Back log issue published in 2012), pp.69-86, (ISSN 0972-3609).
- xxviii) Published an article on Globalization and Eurasian Peace: An Islamic

Perspective in the Book- Globalizing Eurasia- Potentialities and Challenges, Editor-G. M. Mir, Published by the Centre of Central Asian Studies, University of Kashmir, Srinagar, Kashmir, 2013, pp. 325-344 (ISBN: 978-81-921335-0-9).

Ranjan Mukhopadhyay –

- i) “Dummett on Realism and Anti-Realism” in Partha Ghose(ed), Materialism and Immaterialism in India and the West: Varying Vistas, Centre for Studies in Civilizations, New Delhi 2010, pp 481-496.
- ii) “The Logic of Evidence”, in Pradip Kumar Sengupta (ed.), *History of Science and Philosophy of Science: A Philosophical Perspective of the Logic of Ideas in Science*, Centre for Studies in Civilizations and Pearson Education in South Asia, New Delhi, 2012, pp. 325-344. (ISBN No. 978-81-317-1931-2).

Sabujkali Sen (Mitra) –

- i) “Tagore on Religion”, in “India Perspective, 2010,” Published by the Ministry Of External Affairs, Govt., Of India, New Delhi. April 2010.

d) Edited Books:

Md. Sirajul Islam –

- i) Jointly edited a book- Democracy, Civil Society and Good Governance, Published by The Jagannath University, Dhaka, Bangladesh, 2011, ISBN-978-984-33-3988-1.
- ii) Jointly Edited -“Satyam Shivam Sundaram”, Karnatak University, Dharwad, Karnatak, 2012 (ISBN-978-81-924572-0-8).

Kausik Bhattacharya –

- i) *Social Philosophy for the New Millennium*, 2008, Kolkata: Lekha Prakashoni, ISBN: 81-88130-03-6 (Jt. Editor).

e) Books with ISBN with details of publishers:

Alternative Geometry of Dwijendranath (in Bengali) Alochana Chakra: Book Fair, Feb, 2011.

M.P. Terrance Samuel –

- i) “SamoogaEthirnilaigal – PanmugaPanpaattiyam, Sirupaanmaiyinar (Antinomies of Society – Multiculturalism, Minorities)” by M/s. April 14 and KavinNanbargal, W.Pudupatti, during June, 2011. (ISBN 9788190734912).

Rekha Ojha –

- i) Intersex Identity: An Ethical Perspective Published in 2011 by Akansha

Publication New Delhi.

- ii) Dalit Women in India Published on 2012 by Akansha Publication, New Delhi.

Sabujkali Sen (Mitra) –

- i) Marmer Gehini Mrinalini Devi, by Rabindra Bharati University, August 2010.

f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): Nil

g) Citation Index — range / average: Nil

h) SNIP: Nil

i) SIR: Nil

j) Impact Factor — range / average: Nil

k) h-index: Nil

23. Details of patents and income generated: Not applicable

24. Areas of consultancy and income generated: None

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- a) Professor Bijoy Mukherjee, Prof. Asha Mukherjee visited Lusane University, Switzerland respectively in the year 2010-11 as exchange program between the Department of Philosophy and Comparative Religion and also the Department of Religion of the Lusane University.
- b) Prof. Md. Sirajul Islam visited Iranian Institute of Philosophy, Tehran, Iran, Tehran University, Iran, University of Athens, Greece and Alberta University, Buenos Aires, Argentina, respectively in the year 2010 and 2013.
- c) Dr. Ranjan Mukhopadhyay was the Visiting Fellow at the Department of Philosophy, Jawaharlal Nehru University, New Delhi, October 2013, for 125 days.

26. Faculty serving in

a) National committees:

Asha Mukherjee-

- i) Member of the Board of Studies as an External Expert, Department of Philosophy, Rajasthan University, Jaipur for a period of two years from 2007.

- ii) Member of the Board of Studies as an External Expert, Department of Philosophy, North Eastern Hill University, Shillong for two years from 2008.
- iii) Member, Indian Radical Humanist Association, Kolkata.
- iv) Joined as Founder Director, Women's Studies Centre, Visva-Bharati, September, 2009.
- v) Financial Assistance for Travel, accommodation etc. of 6,000 NOK to participate in Cultural Histories of Meditation Conference, by Oslo University, Oslo, Norway
- vi) Advisory Board Member (External) Buddhist Studies, Hyderabad University, Hyderabad, 2010.
- vii) Advisory Board Member (Internal) Centre for Buddhist Studies, Visva-Bharati.
- viii) Nominated Member of the Institute Board of Bhasha Bhavana, Visva-Bharati, 2010.
- ix) Chairperson, Standing Committee for Prevention for Sexual Harassment against Women at Work-place, Visva-Bharati, from July, 2010
- x) Member, Board of Editors, International Journal of Jurisprudence and Philosophy of Law, published from NEHU.
- xi) Selected one of the six eminent scholars from India by Indian Council for Cultural Research, New Delhi for Buddhist Conference on "Buddhist Canons & Early Mahayana Buddhism" in Taiwan
- xii) Financial Assistance for Travel, accommodation etc. to participate in Conference organized by Gothenburg University, Sweden
- xiii) Visiting Fellow, Department of Philosophy, Raivinshow University, Cuttack
- xiv) Founder Secretary of Daya Krishna Academic Foundation, Santiniketan
- xv) Director, Indian Council for Philosophical Research (ICPR) sponsored National Seminar on Philosophy of Kalidas Bhattacharya, 3-5 March, 2012

Sabujkoli Sen (Mitra) –

- i) External Member of Board of Studies in Benaras Hindu University.
- ii) Member of the Editorial Board of 'Sandarsana' the research journal of the Department of Philosophy, Allahabad Central University.
- iii) Member of the Editorial Board on the 'Philosophy of Life World' the research journal of the Department of Philosophy, Vidyasagar University.

Md. Sirajul Islam –

- i) General Secretary International Congress of Social Philosophy (ICSP), 2011.

- ii) Joint Secretary, Social Network for the Assistance to People (SNAP), Kolkata, 2011.
- iii) Member, Executive and Academic Council, Aliah University, Kolkata. 2011 General Secretary, International Congress of Social Philosophy (ICSP), 2011-12.
- iv) Member, District Level Inspection Team (DLIT) Madrasah and High school, Birbhum District, Government of West Bengal, 2012.
- v) President, Visva-Bharati University Faculty Association (VBUFA), 2013-14.

b) International committees:

Asha Mukherjee-

- i) Appointed Member in the Advisory Board of the Argument: Biannual Philosophical Journal published from University of Cracow, Poland
- ii) Visiting professor, Department of Religious Studies, University of Lausanne, Switzerland, 12 April-23 April, 2010
- iii) Visiting Lecturer, Department of Asian Studies, Tel-Aviv University, Israel, 25th April

Md. Sirajul Islam-

- i) Member of Islamic Philosophical Association, Tehran, Iran and also member of UNESCO (Eastern region) Environmental Ethics Section, Bangkok, Thailand, 2010-12.
- ii) Member of the Council for the Research in Value and Philosophy (RVP), Washington, D.C., USA.
- iii) Member, Iranian Institute of Philosophy, Tehran, Iran.

c) Editorial Boards:

Dr. Ranjan Mukhopadhyay –

- i) Member of the Editorial Board Jadavpur University of Philosophy.

d) Any other (please specify):

Dr. Ranjan Mukhopadhyay –

- i) Members of BOS of Burdwan University.
- ii) Members of Academic Committee of Dept. Philosophy, Presidency University.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) Organized Maharshi Smarak Lecture at Visva Bharati on 24 December 2012 lecture delivered by Prof. Kalyan Bagchi, Former Professor of Philosophy, Visva-Bharati.
- b) Organized Amalabala Devi Endowment lecture at Visva-Bharati on 21st March 2013 and lecture delivered by Swami Atmapriyanandaji Maharaj, Vice

Chancellor of Belur Vivekananda University, Belur.

- c) Organized Binodini Memorial Endowment lecture at Visva-Bharati on 31st March 2013 and Lecture delivered by the Prof. Pradyut Mukhopadhyaya, former Professor Philosophy, Jadavpur University, Kolkata.
- d) Organized two day National Seminar on the Philosophy of *Contribution of Sri Chaitanya and Indian Culture* in March 30-31, 2013 at Visva-Bharati.
- e) Organized one day seminar on *the Philosophy of S. Radhakrishnan* to observe Teachers' Day on 5th September, 2013.
- f) Organized One Day seminar on *Swami Vivekananda in Resurgence of Indian Culture and Philosophy* on 21st November, 2013 to observe world Philosophy Day.
- g) Conducted special lectures in the year 2013.

28. Student projects:

- a) **percentage of students who have done in-house projects including inter-departmental projects:** 100% UG and PG level.
- b) **percentage of students doing projects in collaboration with other universities/industry/institute:** Both the students of UG and PG level of Philosophy and Comparative Religion; they are meticulously preparing their project dissertations in consultation with the various allied departments of the home university as well as the other universities. 98% students are involved in such projects.

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Prof Md. Sirajul Islam, Prof. Asha Mukherjee, Prof. Bijoy Mukherjee, Prof. Sabujkali Sen, and Dr. Manjari Chakarborty's research works on Indian Philosophy, Jainism, Sufism, Islam, Philosophy of Rabindranath Tagore, and Philosophy of Mind are highly appreciated by the international universities.
- b) **Doctoral / post doctoral fellows:** Prof Matiur Rahman, Dept. of Philosophy, Dhaka University, has done post-doctoral work under this department on "Banglar Buddhijivi-O-tadar avadan" The thesis is already been submitted to the university for assessment.
- c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) A seminar on "Rabindranath Tagore and the Bauls" organized by the Dept. of Philosophy & Religion, Visva-Bharati on 21st September 2010. *Funded by Unassigned grant by the University.*
- b) Organized Asian Poets and Cultural Meet Conference at Visva-Bharati in July,

2012. *Funded by Asian Poets and Cultural Meet Association, Seoul, Korea.*

- c) The National Seminar on “Philosophy of Kalidas Bhattacharya”, organised by the Department of Philosophy and Comparative Religion, Visva-Bharati, in collaboration with ICPR, New Delhi, during March 3 to 5, 2012.
- d) Organized Two Day National Seminar on Values and Contemporary Indian Culture: Indian Perspective jointly organized by The Council for Research for Values and Philosophy (CRVP), Washington, D.C., USA in January 14-15, 2013. *Funding Resource- Registration by the participants.* Names of Outstanding Participants: i) Prof. James Loicinno, USA. ii) Father Menam Parampril, Don Bosco University, Gawhati, Assam. iii) Prof. Suniti Kumar Pathak, Retd. Prof. of Tibetan Studies, Visva-Bharati.
- e) Organized Maharshi Smarak lecture at Visva-Bharati on 24th December, 2012. The lecture was delivered by Prof. KalyanBagchi, Former Professor of Philosophy, Visva-Bharati. *Funded by the University unassigned grant.*
- f) Organized Ambala Devi Endowment Lecture at Visva-Bharati on 21st March, 2013. The Lecture was delivered by Swami Atmapriyanandji Maharaj, Vice-Chancellor of Belur Vivekananda University, Belur. *Funded by Endowment Family from the university.*
- g) Organized Binodini Memorial Endowment Lecture at Visva-Bharati on 31st March, 2013. The Lecture was delivered by Prof. PradyutMukhopadhyaya, former Professor of Philosophy, Jadavpur University, Kolkata. *Funds taken from Binodini Memorial Endowment memorial from the University.*
- h) Organized two-day National Seminar on the Philosophy of *Contribution of Sri Chaitanya and Indian Culture* on 30-31st March, 2013 at Visva-Bharati. *Funded by UGC unassigned grant / merged scheme by the University, rupees 2 lakhs.* Names of Outstanding Participants: i) Sanyasi Maharaj, General Secretary, Godiya Math, Kolkata. ii) Prof. Gopal Khan, Retd. Prof. of philosophy, Burdwan University, Burdwan. iii) Prof. Dilip kumar Mohanta, Vice-Chancellor, Kalyani University.
- i) Organized one-day seminar on *the Philosophy of S. Radhakrishnan* to observe Teachers’ Day on 5th September, 2013. *Fund raised by registration.* Names of Outstanding Participants: i) Prof. Kalyan Kumar Bagchi, Emeritus Professor of Philosophy, Visva-Bharati, Santiniketan. ii) Prof. Hiranmay Banerjee, Retd. Prof. of Philosophy, Jadavpur University, Kolkata.
- j) Organized ICPR Sponsored one-day Seminar on *Swami Vivekananda in Resurgence of Indian Culture and Philosophy* on 21st November, 2013 to observe World Philosophy Day. Fund was acquired through registration fee and sanction of Rs. 20 thousand fund from ICPR, New Delhi (although not received

yet). Names of Outstanding Participants: i) Swami Sarvapriyanandaji Maharaj, Acharya, Belur Math, Howrah. ii) Prof. Karuna Sindhu Das, Firmer Vice-Chancellor, Ravindra-Bharati University, Kolkata, And Retd. Prof. of Sanskrit.

31. Code of ethics for research followed by the departments:

As per the university norms. We also follow the standard of IT based procedures for identifying plagiarism.

32. Student profile programme-wise:

| Name of the Program (refer to question no.4) | Applications received | Selected | | Pass percentage | |
|---|--------------------------|----------|--------|----------------------|--------|
| | | Male | Female | Male | Female |
| U.G. (2010-11) | Phil-250, C.R.-160 | 15 | 25 | 96% | 96% |
| (2011-12) | Phil-255, C.R.-140 | 14 | 26 | 96.5% | 96.5% |
| (2012-13) | Phil-245, C.R.-130 | 19 | 20 | 96% | 96% |
| (2013-14) | Phil-235, C.R.-120 | 20 | 30 | 97% | 97% |
| P.G. (2010-11) | Phil-152, CR-25 | 16 | 11 | 97% | 97% |
| (2011-12) | Phil-160, CR-21 | 23 | 20 | 98% | 98% |
| (2012-13) | Phil-180, CR-20 | 24 | 24 | 96% | 96% |
| (2013-14) | Phil-185, CR-18 | 23 | 22 | 95.5% | 95.5% |
| Ph.D. (2010-11) | 18 | 7 | 7 | Not yet completed | |
| (2011-12) | 14 | 8 | 5 | | |
| (2012-13) | 16 | 9 | 4 | | |
| (2013-14) | 17 | 7 | 8 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|---|--|---|------------------------------------|
| U.G. | 6% | 92.5% | 0 | 1.5% |
| P.G. | 63% | 37% | 0 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

a) NET: 25 (SC-6, ST-2, OBC-4)

b) SET: 08 (SC-2, ST-Nil, OBC-2)

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|--------------------------------------|
| UG to PG | 98% |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 25% (Approximately) |
| Ph.D. to Post-Doctoral | 5% (Approximately) |
| Employed | 60% (Approximately) |
| • Campus selection | Just utilized this process recently. |
| • Other than campus recruitment | 30% (Approximately) |
| Entrepreneurs | 15% (Approximately) |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------------|
| of the same university | Approx. 60% |
| from other universities within the State | 10% |
| from universities from other States | 25% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | 01 |
| Ph.D. | 01 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** 1 (Sectional), collection of books: 18000 approximately.
- Internet facilities for staff and students:** due to the construction work these facilities are disrupted but they are in the process of upgradation.
- Total number of class rooms:** 04
- Class rooms with ICT facility:** Nil
- Students' laboratories:** Nil

f) **Research laboratories:** N/A

39. List of doctoral, post-doctoral students and Research Associates:

| | Doctoral (Ph.D) students | Post Doctoral Students | Research Associates |
|-------------------------|--------------------------|------------------------|---------------------|
| From host University | 80% Approximately | 2% | Nil |
| From other Universities | 20% Approximately | 2% | Nil |

40. Number of post graduate students getting financial assistance from the university: 6

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

- Yes, we have discussed with some reputed professors and scholars to enrich students awareness specially concerning religions and Indian Philosophy.
- Discussed among the students to upgrade computer and internet access with some computer experts.
- We have a plan to introduce M. Phil course both in Philosophy and in Comparative Religion.

42. Does the department obtain feedback from:

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, for the development of curriculum of UG, PG, and Ph.D. course work level, suggestions of the faculty members have been incorporated.
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, their suggestions implemented.
- alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, their suggestions implemented.

43. List the distinguished alumni of the department (maximum 10):

- Dr. Sunrit Mallik, Former Director, USEFI (American Centre), Kolkata
- Prof. Keya Maitra, UNCR, Ashbill, North Carolina State, USA
- Prof. Dilip Mohanta, Former Vice-Chancellor, Kalyani University, Kalyani
- Prof. Rajat Bhattacharya, Director, Vivekananda Centre, Burdwan University, Burdwan
- Prof. Ananda Wazelwar, Dept of Philosophy, University of Hyderabad.
- Prof. Amitabha Dasgupta, Dept of Philosophy, University of Hyderabad. Recently he became Adjunct Professor in the Vivakenanda Chair of Presidency University, Kolkata
- Prof. Nirmalungshu Mukherjee, Dept of Philosophy, University of Delhi, Delhi

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Seminar on Sri Chaitanya organized by the department in 30-31st March, 2013, and 10 students have presented their papers in the student section.
- b) Maya Das has delivered lecture on Human Destiny in Traditional Indian View on 09-08-2012.
- c) Dr. Anup Barman has delivered lecture on vatsyanis concept of Anviksikividya on 16.8.2012.
- d) Dr. M. P. Terrence Samuel has delivered lecture on Indian Philosophy and Foucault on 24.8.2012.
- e) Prof. V. Raman has lecture delivered on Wittgenstein the Man and his Philosophy on 31.8.2012.
- f) Prof. Kalyan Bagchi has lecture delivered on Categories as a priory particulars on 5.10.2012.
- g) Prof. V.N. Sheshagiri Rao, Dept. of Philosophy, Mysore University has lecture delivered on “Indian and Western Philosophy in the Era of Science”.
- h) Prof. Predrag Cicovacky, Professor of Philosophy and Director of Peace and Conflict Studies, College of Holy Cross, Worcester, N.A,USA has lecture delivered on “ On the immortality of War and Violence” and “Martin Luther King’s Ethics of Love and Non-violence”, on 3.12.2012.

45. List the teaching methods adopted by the faculty for different programmes:

Use of Projectors, Laptops and other audio-visual aids, Black Board etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

By collecting reports and monitoring the progress regularly by the students as well as the teachers of the department.

47. Highlight the participation of students and faculty in extension activities:

Both students of the department and most faculties have jointly enriched academic programs relating to workshop, orientation, seminars/conferences. Also, the students of the department are engaged in various recreational activities like picnic, co-curricular activities, sports and games, cultural functions, judo, first-aid training, NSS program, NCC parade and camps etc.

48. Give details of “beyond syllabus scholarly activities” of the department:

Quizzes, group-discussions, paper presentations, Tagore’s Dance, Music, Drama etc.

49. State whether the programme / department is accredited / graded by other

agencies? If yes, give details: Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The Department is relentlessly engaged in disseminating both knowledge of Philosophy and Religion for maintaining communal harmony, national integration, social solidarity and practical application of Philosophical knowledge.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Strong research and teaching capabilities in Philosophy, Comparative Religion, Environmental Ethics, Folk Culture, Women Studies etc.
- ii) Expertise in Indian Philosophy, Comparative Religion, Interfaith Understanding, Folk Culture and Philosophy.
- iii) Close integration has been made with the various cultures, philosophies and religions and also maintaining communal harmony.
- iv) An emerging strength in both theoretical and empirical research, both at national and international level with significant number of faculty publishing in International and National Journals in diversified areas of Philosophy and Comparative Religion.
- v) A significant international community of students hailing from Bangladesh, Korea, Japan, Thailand, China. We also have some students from states other than West Bengal. Many students are in important positions in academic and non-academic positions in India and abroad.

b) Weaknesses:

- i) Scarcity of class rooms, teachers individual rooms.
- ii) Old building and Library portion are in a bad state of disrepair.
- iii) Intermittent internet facilities due to the new construction.
- iv) No seminar hall with modern facilities and adequate reading room space in seminar library.
- v) Absence of student facilities like common room (for boys and girls) and placement cell.
- vi) Absence of strong ties with previous students (alumni).

c) Opportunities:

- i) Greater integration with various departments of the University, different National universities and foreign universities for academic improvement.
- ii) Expected to introduce more serious work in research level so that students after completion their work may compete with the students of other national and international candidates.

- iii) Hope to initiate exchange programmes with national and international institutions and co-ordinate with the action based research in burning topics of Philosophy and Religion.
- iv) Introduction of placement cell and building up alumni network through student reunion and similar programmes.

d) Challenges:

- i) To improve departmental infrastructure to facilitate research.
- ii) To improve student placement and attract better students.
- iii) To expand interdisciplinary research activities with other discipline say Political Science, History, Journalism and Mass Communication, Environmental Science etc. Some interdisciplinary courses may be invented like Development Studies.
- iv) To upgrade research programmes like MPhil and PhD.
- v) To set up Wi Fi internet facilities.
- vi) Taken initiative for Special Assistance program for the Department.

52. Future plans of the department:

Collaborative Educational Programs with Foreign Universities, providing quality education, Retention of communal harmony awareness program, dissemination of ethical teachings and value based education.

Evaluative Report of the Department of Ancient Indian History, Culture & Archaeology (A.I.H.C. & A.)

1. **Name of the Department :** Department of Ancient Indian History, Culture & Archaeology (A.I.H.C. & A.)
2. **Year of establishment :** 1951
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D., M.Phil.
5. **Interdisciplinary programmes and departments involved :**
 - a) Common Teaching Programme with the Department of History for more than 30 years.
 - b) Continuously involve with Department of Geography in our field study and Archaeological Excavations.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** No
7. **Details of programmes discontinued, if any, with reasons:** N/A
8. **Examination System:** Semester System both as UG & PG levels.
9. **Participation of the department in the courses offered by other departments :**
Department Students participate in the courses offered by the various departments such as History, Geography, Economic, Political Science, Education, etc.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 1 | 3 |
| Associate Professors | 2 | 2 | 3 |
| Asst. Professors | 7 | 5 | 5 |
| Others | | | |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- | | | | |
|----|--|---|--|
| a) | Name | : | Ananda Chandra Sahoo |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Professor |
| | Specialization | : | Art History of Ancient India |
| | No. of Years of Experience | : | 25 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 06 |
| b) | Name | : | Bikash Mukherji |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Associate Professor & H.O.D. |
| | Specialization | : | Religious History of Ancient India |
| | No. of Years of Experience | : | 23 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 05 |
| c) | Name | : | Sina Panja |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Associate Professor |
| | Specialization | : | Archaeology |
| | No. of Years of Experience | : | 12 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| d) | Name | : | Sarita Khettri |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Associate Professor |
| | Specialization | : | Epigraphy and Religious History of Early India |
| | No. of Years of Experience | : | 09 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 05 |
| e) | Name | : | Anil Kumar |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Assistant Professor (Senior Scale) |
| | Specialization | : | Social & Economic History of Ancient India |
| | No. of Years of Experience | : | 12 Years 07 months |

- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- f) **Name** : K. Mavali Rajan
Qualification : M.A., Ph.D
Designation : Assistant Professor (Senior Scale)
Specialization : Socio-Economic History of Ancient India
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- g) **Name** : Bina Gandhi Deori
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Ethno-archaeology
No. of Years of Experience : 6 years 4 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- h) **Name** : Remya.V.P.
Qualification : M.A. in Ancient History & Archaeology
Designation : Assistant Professor
Specialization : Art History
No. of Years of Experience : 2 years 6 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Suchira Roychowdhury
Qualification : M.A, Ph.D
Designation : Assistant Professor
Specialization : Proto Historic Archaeology, Theory & Methods in Archaeology
No. of Years of Experience : Only 6 Months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** Nil
13. **Percentage of classes taken by temporary faculty — programme-wise :** Nil
14. **Programme-wise Student Teacher Ratio :**
a) U.G. – 15:33

b) P.G. – 10:22

c) Ph.D. – 1:89

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative | 03 | 03 | 03 |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies: Exploring possibilities

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: Nil

b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

a) state recognition : Nil

b) national recognition: Nil

c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: No

22. Publications:

a) No. of papers published in peer reviewed journals (national/international): – 09

b) Monographs: –

Dr. Anil Kumar – Assigned to write a Monograph on Vikramshila Monastery, Ministry of HRD, Govt. of Bihar, 2013-2014.

c) Chapters in Books: –

d) Edited Books: –

e) Books with ISBN with details of publishers:

f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

g) Citation Index — range / average:

- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated:** Not applicable
- 24. **Areas of consultancy and income generated:** Not applicable
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
 Department Faculty Dr. Anil Kumar has been selected as an expert of history and archaeology in preparing the digital map of the Buddhist centers in India and South East Asian countries.
- 26. **Faculty serving in**
 - a) **National committees:** Nil
 - b) **International committees:** Nil
 - c) **Editorial Boards:**
 - Professor A.C.Sahoo –**
 Editorial Member in Prof. K.S. Behera Commemoration Volume.
 - Dr.Anil Kumar –**
 Member, Editorial Board of Journal on History and Social Science Past and Present
 - Dr. K. Mavali Rajan –**
 - i) Member in Editorial Board, Journal of Social Science and Humanity Research.
 - ii) Member in Editorial Board, International Journal Social Science Review.
 - d) **Any other (please specify):**
 - Professor A.C.Sahoo –**
 Member in Selection Committee of Teaching Post in Department of Ancient Indian History, Utkal University, Odisha.
 - Dr.Bikash Mukherjee –**
 Member in Selection Committee as a Chairman in School Service Commission, West Bengal on 28-29 August 2013 for conducting Viva-Voce.
 - Dr.Anil Kumar –**
 Academic Board Member of HRD Ministry recognized research institute “Purattavanitra”, Kanpur.
- 27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
 We have already conducted seven UGC sponsored Refresher course Program in our

Department between 1998-2006.

Faculty Members of the Department regularly attend UGC/ASC Refresher, Orientation Programme, workshop and Training Courses.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** In-house Project on Environmental Studies have been done by the Students.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) One Conference on Numismatic Society of India Organized at the Department of A.I.H.C. & A, Visva Bharati University – 2012.
- b) Seminar on Recent Archaeological Activities in Eastern India, Organized by the Department in August 2010.

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| U.G. | 2500(App) | 16 | 24 | 40% | 60% |
| P.G. | 107 | 28 | 18 | 60.86% | 39.14% |
| Ph.D | 23 | 2 | 2 | 50% | 50% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| U.G. | 7.5% | 85% | 7.5% | NIL |
| P.G. | 80.43% | 19.57% | - | - |
| M.Phil. | None | None | None | None |

| | | | | |
|-------|------|---|---|---|
| Ph.D. | 100% | 0 | 0 | 0 |
|-------|------|---|---|---|

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|--------|
| of the same university | 11.11% |
| from other universities within the State | 22.22% |
| from universities from other States | 66.67% |
| from universities outside the country | NIL |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** One (small library).
- b) **Internet facilities for staff and students:** for staff only.
- c) **Total number of class rooms:** 4 (four class Rooms) and one Seminar hall.
- d) **Class rooms with ICT facility:** Nil
- e) **Students' laboratories:** Nil
- f) **Research laboratories:** Nil

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university – 12**
- b) **from other institutions/universities – 2**

| Doctoral (Ph.D) students | Post Doctoral Students | Research Associates |
|--|------------------------|---------------------|
| i) Rajeswar Roy ii) Arko Das iii) Sourav Mondal iv) Subhajit Singha v) Krishnakali Dey vi) Boro Murmu vii) Sudipta Goswami viii) Biswarup Ganguly ix) Nivedita Mitra x) Toton Kumar Das | i) Dr. Sayamtara Jash | Nil |

| | | |
|---------------------------|--|--|
| xi) Rajib Lochan Ghosal | | |
| xii) Binay Barman | | |
| xiii) Sudipnarayan Moitra | | |
| xiv) Suman Saha | | |

40. Number of post graduate students getting financial assistance from the university: 07 (Merit Scholarship)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

We have introduced M.Phil course in the Department in order to improve the quality of research. This we felt necessary to develop the primary idea of research before entering the high research degree.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:

Yes, we take the input on our course curriculum regularly and incorporate the idea in our Academic Programmes.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:

We incorporate the ideas and feedbacks which we take regularly from our students of the department.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

We incorporate the ideas and the feedback, which we take from our Alumni and employers of the department.

43. List the distinguished alumni of the department (maximum 10):

- a) Ajoy Kumar Lahiri, Australia
- b) Dr. C. Muthia, Tamilnadu, India.
- c) Dr. D.K. Ganguly, Santiniketan, India.
- d) Dr. Kalyan Kumar Sarkar, Canada.
- e) Dr. Pranabananda Jash, West Bengal, India.
- f) Dr. S.N. Chopra, Chandigarh, India.
- g) Dr. Satyen Patnaik, Bhubaneswar, India.
- h) Mrs. Tan Chameli, Delhi, India.
- i) Rev.Ugen.C. Lama, Darjeeling, India.
- j) Dr. Warenyu Sanchun, Thailand.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Special Lectures:

- a) Special lectures arranged in the Department of A.I.H.C. & A. from time to time as enrichment programme for the students.
- b) Professor Upinder Singh, Delhi University delivered Special lecture on Historiography and Historical writings in Ancient India in February, 2010.
- c) Professor B.D. Chattapadhyaya delivered a special lecture on State Formation in Ancient India in March 2009 in the seminar hall of the Department of A.I.H.C & A.
- d) Dr. Sumitto Thero, a Srilankan Monk delivered a special lecture on Buddhism in Srilanka on 27th July, 2012 in the seminar hall of the Department of A.I.H.C & A.

45. List the teaching methods adopted by the faculty for different programmes:

Traditional class teaching along with teaching aids.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

The Department Teachers monitor the students Learning Programme through regular internal assessment.

47. Highlight the participation of students and faculty in extension activities:

Our Students participate in NSS programmes, organized by the University's NSS unit.

48. Give details of "beyond syllabus scholarly activities" of the department: Nil

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Through the regular Excavations and Explorations activities, the students of the department are gaining and getting experiences with new findings.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

- i) When late Professor N.C. Ghosh joined the Dept. as one of the experts on field Archaeologist our Dept. has been conducting excavation works in Jagjibanpur, Hattikra, and Kotasur in Eastern India. The findings from these excavations have contributed immensely to eastern Indian Archaeology in

- particular and history in general.
- ii) At present our Department is enriched with an Archaeological Museum containing sculptural pieces, coins, and terracotta and bronze objects. These artefacts mostly belong to History and archaeology from the earliest times to early medieval Bengal. This is one of the finest contributions of Late Professor Sudhir Ranjan Das, Professor of Archaeology.
 - iii) The Department of A.I.H.C & A has successfully conducted seven (7) Refresher course programme on various aspects of ancient Indian History Culture & Archaeology from the year 1998 to 2006.

52. Future plans of the department:

- a) Like the previous years, our major thrust area would be research on the field of Religious History (Brahmanical and Non-brahmanical) and eastern Indian Archaeology.
- b) Our future plan includes engagement of faculty and students in archaeological exploration and excavation, particularly in Eastern India. Through such activities, we want to enrich our Departmental Archaeological Museum so that it would be utilized by the students, scholars, outside visitors and people who have interest in indological studies would utilize the museum in future.

Evaluative Report of the Centre for Journalism and Mass Communication

1. **Name of the Department:** Centre for Journalism and Mass Communication (C.J.M.C.)
2. **Year of establishment:** 2000
3. **Is the Department part of a School/Faculty of the university?** Yes, part of Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** PG Degree in Journalism and Mass Communication, Ph.D in Journalism and Mass Communication.
5. **Interdisciplinary programmes and departments involved:** Yes
 - a) **Department of Social Work** - National Seminar on 'Key Labour Issues in Birbhum. West Bengal' during 5 to 6 April, 2013
 - b) **Dept of Economics and Politics** - A special lecture of the Magsaysay award winning journalist, P. Sainath on 'Slumdogs vs. Millionaires - Inequality and Agrarian Crisis in India' on January 18, 2014
 - c) **Indira Gandhi Centre** - A special lecture of the noted journalist Mr Paranjoy Guha Thakurta titled 'Pandit Jawaharlal Nehru's Economic Philosophy' as a part of the year-long 'Special Lecture Series on Pandit Jawaharlal Nehru' on 13 January, 2014
 - d) **Indira Gandhi Centre** – Celebration of 125th Birth Anniversary of Pandit Jawaharlal Nehru on 14 November, 2013
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Not yet
7. **Details of programmes discontinued, if any, with reasons:** PG Diploma was discontinued in 2002 and the course was upgraded to PG Degree from 2003 – 2004 Session.
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester
9. **Participation of the department in the courses offered by other departments:** Yes.
 - (a) Students participate in Certificate Courses in Language and Performing Arts.
 - (b) Faculty members teach Communication in BSW of Social Work Department.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | Nil | 1 (CAS) |
| Associate Professors | 2 | 2 | 1 |
| Asst. Professors | 2 | 1 | 1 |
| Others | Nil | Nil | Nil |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) **Name** : Dr. Mausumi Bhattacharyya
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Audience Research, Audio-Visual Media, New Media, Gender Studies
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- b) **Name** : Prof. Biplab Loha Chowdhury
Qualification : B.Sc. (Hons), M.A, Ph.D
Designation : Professor
Specialization : Media Organization Management, Development Communication, Indian perspective of Communication
No. of Years of Experience : 18 (Teaching)+6 (WBJSWS)
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- c) **Name** : Ms. Sanhita Chatterjee
Qualification : M.A.
Designation : Assistant Professor
Specialization : Rural and Development Communication, Audio Visual Production, Film Studies
No. of Years of Experience : 8 Months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Mr. Rudrangshu Mukherjee, Editorial Head, The Telegraph
- b) Mr. Paranjay Guha Thakurta – An independent renowned journalist and media researcher.
- c) Mr. Sunit Chakraborty – Joint Director News, AIR
- d) Mrs. Subha Das Mollick – Media Researcher

13. Percentage of classes taken by temporary faculty — programme-wise: Not Applicable

14. Programme-wise Student Teacher Ratio:

- a) PG (2012-2014) – 8:1
- b) PG (2013-2015) – 12:1
- c) Ph.D. Course Work 2013 – 9:2

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|------------------|--------|
| Academic Support Staff (Technical) | - | Nil | Nil |
| Administrative Staff | - | 2 (Casual Staff) | 2 |
| Others | - | 1 (Contractual) | 1 |

16. Research thrust areas as recognized by major funding agencies:

Labour Issues, New Media Research, Mobile Communication and Development

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Exploring possibilities

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

Organized an International Conference on “Crony Journalism: Redefining Journalistic Practices” in Collaboration with ICSSR during January 18-19, 2014.

b) International collaboration:

- i) Organized Collaborative Programmes on “Social Democracy and Media” with Friedrich Ebert Stiftung, Germany (India Chapter) from 2009 to 2013 on regular basis (in total seventeen programmes).
- ii) Organized International Workshop jointly with the International Association of Women in Radio & Television (IAWRT) on ‘Towards a gender-sensitive

media' during 12-13 November, 2011.

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** Proposals under process
20. **Research facility / centre with**
 - a) **state recognition:** Nil
 - b) **national recognition:** Proposals have been sent
 - c) **international recognition:** Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Not Applicable
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals (national/international):**

Dr. Mausumi Bhattacharyya –

 - i) Crystallizing Democratic Activism of Civil Society: The Role of Media-West Bengal, a Case Study (p.p.57-64)
 - ii) Globalisation and Commercialisation of Media in South Asia: Time for a Reality Check, 2009

Dr. Biplab Loha –

National-4

International-2

Ms. Sanhita Chatterjee –

 - i) An Awakening: Mahila Chetna Manch – Bhopal. Communique, Volume II, 2009, Journal of the Symbiosis Institute of Media and Communication.
 - b) **Monographs:** – Nil
 - c) **Chapters in Books:** –

Dr. Mausumi Bhattacharyya –

 - i) *Traditional media: The magic lamp for tomorrow's India* Book: Issues of Journalistic Ethics and Freedom in the Contemporary Age of Digital Media, Publisher: Subarnarekha, 73, MG Road, Kolkata -9 & University of Calcutta, p.p. 181-183, ISBN: 81-86263-004, (January, 2012)
 - ii) *Media and Women: Culture or Lack of It:* Women, Culture and National Integration, Edited by Prof Manas Ray & Published by Dr. Mani Mukut Mitra, Registrar, Visva-Bharati, p.p. 52-55, (May, 2009).
 - iii) *Social Media and Digital Literacy: Path for the Masses to Science*, Book - Voice of Social Media in Democracy: Ed. Dr. Mausumi Bhattacharyya, ISBN: 978-81-7522-584-8. Publisher – Visva-Bharati Granthan Vibhag (January 2014)

Dr. Biplab Loha Chowdhury –

- i) **Media & Volunteering** in UNDP-UNVF volume *Volunteering In India Contexts, Perspectives and Discourses*, UNDP India Office, New Delhi, 2012.
- ii) **Indian Perspective & Tradition of Volunteering** published in UNDP-UNVF volume *Volunteering in India Contexts, Perspectives and Discourses*, UNDP India Office, 2012.
- Ms. Sanhita Chatterjee –**
 - i) **'New Media: Synonymous with Social Change'**, Book - Voice of Social Media in Democracy: An Anthology, Ed. Dr. Mausumi Bhattacharyya, Year - January 2014, ISBN: 978-81-7522-584-8. Publisher – Visva-Bharati Granthan Vibhaga.
- d) Edited Book:**
 - Dr. Mausumi Bhattacharyya –**
 - i) Voice of Social Media in Democracy: An Anthology, Year - January 2014, ISBN: 978-81-7522-584-8, Publisher - Granthan Vibhaga, Visva-Bharati.
 - Dr. Biplab Loha Chowdhury –**
 - i) Issues in Media and Communication, February 2014, ISBN: 978-81-922957, Publisher – SBE, New Delhi. (Jointly edited)
- e) Books with ISBN with details of publishers:**
 - Dr. Biplab Loha Chowdhury –**
 - i) Nabamadhyamer Ruprekha (Bengali)-(An Outline of New Media), Paschimbanga Rajyo Pustak Parshad, Kolkata, 2013, ISBN 978-81-247-0715-9.
 - ii) Indian Paradigms of Development Man Standard and Communication, Sampark Publishing House, Kolkata, 2011, 978-81-7768-058-4.
- f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** N/A
- g) Citation Index — range / average:** N/A
- h) SNIP:** N/A
- i) SIR:** N/A
- j) Impact Factor — range / average:** N/A
- k) h-index:** N/A

23. **Details of patents and income generated:** Not yet

24. **Areas of consultancy and income generated:** Exploring possibilities

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

a) Dr. Mausumi Bhattacharyya –

- i) **Nominated from India** in the Scientific Committee of the 'Symposium On ASIA- USA Partnership Opportunities' organized by the Kennesaw State University, USA held in Atlanta in April, 2013.
- ii) Nominated from India to attend an **International Youth Conference** in Bonn, Germany on 'Shaping Globalization' held from 18-24 November, 2010 organised by Forum Jugend and Politik, Germany
- iii) Attended the **9th ASIA MEDIA SUMMIT** held in Bangkok, Thailand on 29-30 May, 2012 organised by the ASIA-PACIFIC INSTITUTE FOR BROADCASTING DEVELOPMENT. The theme of the summit was 'Creating Impact: Media in Today's Society'.
- iv) Attended the **8th ASIA MEDIA SUMMIT** held in Hanoi, Vietnam on 24-25 May, 2011 organised by the ASIA-PACIFIC INSTITUTE FOR BROADCASTING DEVELOPMENT. The theme of the summit was 'Digital Media Everywhere: Repositioning Broadcasting'.

b) Dr. Biplab Loha Chowdhury –

- i) Invited to speak on “**Reviewing Status of Communication in Contemporary Health Policy of India**” in International Communication Management Conference (health issues) organized by Mudra Institute of Communication Ahmedabad in collaboration with UNICEF, WHO and UNFPA on 13th February, 2014
- ii) Chaired inaugural session of International Seminar on Realizing Human Potential in The Service of Humanity and Country: Sree Sree Thakur Anukulchandra's Economic and Development Concepts in Guwahati, organized by Udgata and Gurudev Rabindranath Tagore Foundation, New Delhi on 11th February, 2011
- iii) Presented Paper on “An Indian Experiment in IKS and Sustainable Rural Development” in World Congress of IUAES, at Yunan University, Kunming China in July 2009.
- iv) Presented paper on “Communication and Economic Performance Synergy” in annual conference of Asian Communication & media Congress at Chulalongkorn University, Bangkok, Thailand, October, 2012.

26. Faculty serving in

a) National committees:

Dr. Mausumi Bhattacharyya –

- i) Expert, Syllabus Designing Committee, National Institute for Open Schooling, MHRD, Govt. of India
- ii) Member, Media Information & Communication Centre of India, New Delhi
- iii) Member, Foundation for Media Professionals, New Delhi
- iv) External Expert, BOS, Mass Communication and Videography, Rabindra Bharati University, Kolkata, WB
- v) External Expert, BOS, Mass Communication and Videography, Vidyasagar University, Medinipore, WB
- vi) External Expert, BOS, Journalism & Mass Communication, Distance Education, Kalyani University, Kalyani, WB

Dr. Biplab Loha Chowdhury –

- i) Member, Board of Research Studies in Journalism & Mass Communication, Burdwan University, West Bengal. (Till 2013)
- ii) Member, BOS in Journalism, West Bengal State Text Book Board (Till date)
- iii) Member, U.G. Board, Gour Banga University, Malda (Till 2012)
- iv) Member, U.G. Board, West Bengal State University, Barasat (Till date)
- v) Member, P.G. Board, West Bengal State University, Barasat (Till date)
- vi) Member of the Committee of Research in Journalism & Mass Communication, NSOU, Kolkata
- vii) Member of the Managing Committee, Arkadyuti College of Education, Suri
- viii) Member, National Executive (India), Asian Communication & Media Congress
- ix) Member of Media Information & Communication Centre of India
- x) Member, NCERT Committee on Curriculum for Media Studies, 2010

b) International committees:

Dr. Mausumi Bhattacharyya –

- i) Guest Editor, Global Media Journal, Summer 2014 Issue, India Chapter
- ii) Member, Young Leader's Think Tank - India, FES, Germany

Dr. Biplab Loha Chowdhury –

- i) Expert in Research Panel in Journalism, Dhaka University, Bangladesh

c) Editorial Boards:

Dr. Mausumi Bhattacharyya –

- i) Member, Editorial Board, E-Journal, Visva-Bharati
- ii) Guest Editor: Global Media Journal - India, Summer 2014 issue
- iii) Member, Advisory Committee, International Journal of Communication Development

Dr. Biplab Loha Chowdhury –

- i) Honorary Series Editor , GRTF-New Delhi Publishers book series on alternative thoughts in development and institution building from July 2014.

d) Any other (please specify):**Dr. Mausumi Bhattacharyya –**

- i) Chairperson, Internal Complaints Committee for Prevention of Sexual Harassment of Women at Workplace, Visva Bharati
- ii) Convener, Women's Study Centre, Visva-Bharati
- iii) Member, The World At Large Committee, Visva Bharati
- iv) Joint Cultural Secretary, *Karmimondali*, Visva-Bharati (2012-2014)
- v) Editorial Coordinator, Visva-Bharati News

Dr. Biplab Loha Chowdhury –

- i) Deputy Director (East), ACMC (India Chapter) 2012-2013
- ii) Manuscript Reviewer in Journalism & Mass Communication, WBSBB, Kolkata
- iii) Member ,Trustee Board and Governing body GRTF, New Delhi
- iv) Few selection boards including CSC WB and universities

Ms. Sanhita Chatterjee –

- i) Member, 'Students' Activity Centre', Visva Bharati
- ii) Member, Visva-Bharati News

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Yes

Dr. Mausumi Bhattacharyya takes special sessions in the 'Science Communication' course of the Indian Science News Association, Kolkata and interacts with the other resource persons for update.

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects: 100%**
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute: 20%**

29. Awards / recognitions received at the national and international level by**a) Faculty:****Dr. Mausumi Bhattacharyya –**

- i) **Nominated from India** in the Scientific Committee of the 'Symposium on ASIA- USA Partnership Opportunities' organized by the Kennesaw State University, USA held in Atlanta, USA in April, 2013.

- ii) **Vice Chancellor's Nominee, Board of Studies**, PG Diploma Course in Mass Communication & Videography, Vidyasagar University, Midnapore, WB
- iii) **Member, Board of Studies**, Journalism & Mass Communication, University of Gour Banga, Maldah, WB
- iv) **Member, Board of Studies**, Directorate of Open & Distance Learning in Mass Communication & Journalism, University of Kalyani, Kalyani, Nadia, WB
- v) Member of **Media Information and Communication Centre of India**, New Delhi
- vi) Member of the **Young Leader Think Tank** of FES India Chapter, New Delhi
- vii) Member of **Foundation for Media Professionals**, New Delhi

Dr. Biplab Loha Chowdhury –

- i) Appointed Country Director for India (Head of National Executive) by Asian Media & Communication Congress for 2014-2016.
 - ii) Nominated Deputy Director (East), India Chapter by Asian Communication and Media Congress (Hq. Manilla, Philippines) 2012-2013
 - iii) Working as Honorary Series Editor for GRTF-New Delhi Publishers book series on alternative thoughts in development and institution building from July 2014.
 - iv) Delivered invited lecture in ICFAI University Tripura Education lecture series on 25th April, 2014 on “Transforming Education in India: An Overdue Assignment”
 - v) As mentor, guiding education department of ICFAI university in organizing national level seminar on perspectives of education from India with special reference to Sree Sree Thakur Anukulchanra, 2014
 - vi) As Chairman of organizing Committee, guiding academic aspects of Guwahati University Law department and Udgata international seminar on rule of law, politics and communication to be held in February 2015
 - vii) Conducted National Deliberation on Communication for national Integration: The Issues in Role of Media on 20th April, 2013 jointly with APMC, India Chapter.
- b) **Doctoral / post doctoral fellows:** Scholars attend international and national conferences on regular basis
 - c) **Students:** Students take part in departmental seminars and workshops regularly

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Sl. No. | Seminars/Conferences/Workshops | Date | Funding Organisation |
|----------------|---|-----------------------|---|
| 1 | National Seminar on "Role of Social Media in Pluralisation of Media" | 7 April 2014 | Friedrich Ebert Stiftung (FES), Germany |
| 2 | National Seminar on "Genderlogue on Social Media and Gender Question" | 8 April 2014 | Friedrich Ebert Stiftung (FES), Germany |
| 3 | Film Show | 5 May 2014 | Films Division (ERPC, Kolkata), Govt. of India & <i>Karmi Mandoli</i> , Visva-Bharati |
| 4 | International Conference on “Crony Journalism: Redefining Journalistic Practices” | 18 - 19 January 2014 | ICSSR |
| 5 | National Seminar on ‘Role of Social Media: A New Voice in a Democracy’ | 28 -29 September 2013 | Friedrich Ebert Stiftung, Germany |
| 6 | Workshop on Media Management | 23 September 2013 | Visva – Bharati |
| 7 | Workshop on Newspaper Editing | 16 September 2013 | Visva – Bharati |
| 8 | National Deliberation on Communication for national Integration The Issues in Role of Media | 20 April 2013 | Asian Congress for Media & Communication (India Chapter) and Visva-Bharati (Noted Editors M.J. Akbar and Padmashree Patricia Mukhim participated) |
| 9 | National Seminar on ‘Media Ethics: Reality or Myth?’ | 15-16 March 2013 | UGC and Visva-Bharati |

| | | | |
|----|--|----------------------|--|
| 10 | National Seminar on 'Key Labour Issues in Birbhum. West Bengal' | 5-6 April 2013 | Friedrich Ebert Stiftung, Germany |
| 11 | National Seminar on 'Emergence of New Media in the rural belt of India with special reference to West Bengal' | 20-22 April 2012 | Friedrich Ebert Stiftung, Germany |
| 12 | International Workshop jointly with International Association of Women in Radio & Television (IAWRT) on 'Towards a gender-sensitive media' | 12-13 November, 2011 | International Association of Women in Radio & Television (IAWRT) |
| 13 | National Workshop on 'Grassroots Communication in Tribal area' | 24-26 November 2011 | Friedrich Ebert Stiftung (FES) |
| 14 | Workshop on 'Research methodology' | 19 February, 2011 | Visva-Bharati |
| 15 | Workshop on 'Media Management' | 30 March, 2011 | Visva – Bharati |
| 16 | Workshop on Social Communication through Radio | 3-5 April, 2010 | Friedrich Ebert Stiftung (FES) |
| 17 | Workshop on Engineering Social Social Development : How & Wherefore | 25-27 March 2010 | Friedrich Ebert Stiftung (FES) |
| 18 | Workshop on Rural India: Connecting through PR | 22-24 November, 2009 | Friedrich Ebert Stiftung (FES) |
| 19 | Workshop on Communication through Radio | 28-30 August, 2009 | Friedrich Ebert Stiftung (FES) |
| 20 | Workshop on Communication through Visual Media | 27-29 March, 2009 | Friedrich Ebert Stiftung (FES) |
| 21 | Workshop on Communication through Print Media | 20-22 February, 2009 | Friedrich Ebert Stiftung (FES) |
| 22 | National Seminar on Transforming Media Education | 30 April, 2011 | CJMC & GSDS, New Delhi |

- 31. Code of ethics for research followed by the departments:** As per the University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| PG 2013-2015 | 142 | 14 | 22 | - | - |
| PG 2012-2014 | 70 | 3 | 22 | - | - |
| PG 2011- 2013 | 127 | 5 | 19 | 5 | 19 |
| PG 2010- 2012 | 102 | 8 | 9 | 8 | 9 |
| PG 2009-2011 | 120 | 7 | 16 | 7 | 16 |
| Ph.D Course Work 2013 | 9 | 3 | 6 | - | - |
| Ph.D Course Work 2012 | 2 | 0 | 2 | 0 | 2 |
| Ph.D Course Work 2011 | 3 | 0 | 3 | 0 | 3 |
| Ph.D Course Work 2010 | 7 | 5 | 2 | 5 | 2 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| PG (2009 -2013) | None | 96% | 2% | 2% |
| Ph.D (2010- 2013) | 55% | 44.75% | 0.25% | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET – 9
- SET – 0
- Civil Service/ Defense Service – 0
- Other Competitive Examination/Government Service – 10

35. Student progression:

| Student progression | Percentage against enrolled |
|--|--|
| UG to PG | Not Applicable |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 15 % (Tentative) |
| Ph.D. to Post-Doctoral | Not Yet |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | Campus selection – (in the last 4 years) : 4 selected for Gandhi Fellowship 3 selected for ETV Network Other than campus recruitment (in the last 4 years) : Minimum 80 % Students are recruited. |
| Entrepreneurs | 10 % |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | None |
| from other universities within the State | 2 |
| from universities from other States | 1 |
| from universities outside the country | None |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** In collaboration with IGC.
- Internet facilities for staff and students:** Yes
- Total number of class rooms:** 02.
- Class rooms with ICT facility:** 01
- Students' laboratories:** Not yet
- Research laboratories:** Not yet

39. List of doctoral, post-doctoral students and Research Associates:**a) Doctoral list from the host institution/university – Ph.D.**

- i) Aritra Chakraborty - “Information-education-communication for sustainable rural development: evaluation of three programmes”.
- ii) Urbi Ghosh - “Development and communication interface: a status study of 3 North Bengal villages at 3 different stages of development”.
- iii) Mahendra Jena - “Rural development reporting in Bengali dailies: A case study of Birbhum district in the state of West Bengal”.
- iv) Avijit Ganguly - “Communication in Universalization of Education in India”.
- v) Debashis Mandal – “The Role of Media in Development of Rural Society with Special References to Birbhum District, West Bengal”.
- vi) Abir Mukherjee on Rural Communication.
- vii) Sreetama Das - “Communication for development with reference to development efforts by communities”.
- viii) Reshmi Naskar Dalal - “The role of New Media in Rural Governance in West Bengal”.
- ix) Moon Jana - “Environment Communication: An Indian perspective with special reference to West Bengal”.
- x) Priyanka Roy - "Role of Social Media for Awareness and Prevention of Lifestyle Diseases - A study on effectiveness among women in selected metro cities of India"

b) From other institutions/universities –

- i) Mou Mukherjee Das - “A Study on The Brand Equity of Cartoon Television Channels in the non-metropolitan areas of West Bengal”.
- ii) Sk. Rupa Rahilla - “ A study on communication satisfaction of readers of newspapers: in search of methods”.
- iii) Kapil Kumar Bhattacharya-“ Natyashashtra as Communication treatise: An exploration of possibility for the present”
- iv) Archan Mitra- “Modelling Interface between Information-Communication Logistics& Environmental sustenances”
- v) Debastuti Dasgupta -" Role of Social Media in Contemporary Bengali Film Promotions and Marketing (2010-2015): With special reference to Facebook and Twitter"
- vi) Debjani Roy - " Role of Print Media for Preserving Culture: A Study with Special Reference to Local Publications of the Birbhum District, West Bengal
- vii) Lalit Kumar - "A Critical Study of Mobile Governance in Development of State (With especial reference to Bhopal district of MP)"

viii) Shashi Subba - " Role and Impact of New Media on the Cultural Perception of Youth of Sikkim: A Study"

40. **Number of post graduate students getting financial assistance from the university:** 2 in this year. Every year at least 2 PG students get financial assistance.
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Yes, by inviting inputs from subject experts.
42. **Does the department obtain feedback from**
 - a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, in departmental committee meetings.
 - b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Teachers seek students' opinion; their opinions are utilized for departmental development, teaching improvement. Considered during curriculum revision also the course was revised twice, third revision is under discussion.
 - c) **alumni and employers on the programmes offered and how does the department utilize the feedback:** We have a departmental page on a social networking website ("CJMC Family" on Facebook) to take account of their opinions. We also have a departmental email id (cjmcvb@gmail.com) for communicating with them.
43. **List the distinguished alumni of the department (maximum 10):**
 - a) Utsav Chatterjee – Assistant Professor, St. Xavier's College, Kolkata
 - b) Manas Pratim Sharma – Indian Information Service
 - c) Roshni Das – Senior Journalist, Times of India, Kolkata
 - d) Dipannita Das –Senior Journalist, Hindustan Times, Pune
 - e) Anuran Lal Singh Handa – Senior Executive, Tata Consultancy Services
 - f) Arka Mitra Barui - Senior Executive, Axis Bank
 - g) Dhrubojyoti Adhikary- Sr. Producer, 24 Ghanta Satellite TV Channel
 - h) Sagar Das – Journalist, Bartaman
 - i) Khandoma Bhutia- SDICO, Govt. of West Bengal
 - j) Deepika Thapa- Assistant Professor, J& MC, North Bengal University, Siliguri

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Special Lectures:

- a) 'The Documentary Photographic Image-The Story Is The Thing!' by **Professor George C McLemore**, Department of Communication of the **University of Texas-Pan American, USA on 22 July, 2012**
- b) Special Lecture by Shri Paranjay Guha Thakurta on Corporatisation of Media held on 15 March 2013
- c) A special lecture of P. Sainath on 'Slumdogs vs. Millionaires - Inequality and Agrarian Crisis in India' on January 18, 2014
- d) A special lecture of the noted journalist Mr Paranjay Guha Thakurta titled 'Pandit Jawaharlal Nehru's Economic Philosophy' as a part of the year-long 'Special Lecture Series on Pandit Jawaharlal Nehru' - 13 January 2014
- e) A special interaction session on National Integration with M.J. Akbar and Padmashri Patricia Mukhim on 19th April, 2013 at Central library Hall

45. List the teaching methods adopted by the faculty for different programmes:

Visualization method for advertising, experiential learning for development communication and communication research. Retrospective scenario building in few courses, from practical to theory building and vice-versa in Media Organization Management and Film & New Media specializations.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Students are given exposure to presentation skills, interview techniques etc. by the industry professionals to help them prepare themselves for the greater challenges in future.

47. Highlight the participation of students and faculty in extension activities:

Over the years, all students and faculty members have worked for communication and development in the rural belt of Birbhum in collaboration with Friedrich Ebert Stiftung, Germany

48. Give details of "beyond syllabus scholarly activities" of the department:

The department has initiated discourses on improving Social Communication and utilization of communication system for National Integration. In this sector, one key achievement of the department has been continuous association with FES, the renowned German foundation who supports various social and democratic activities in academic institutions in more than 110 countries across the world. The collaboration

which got initiated in the year 2009 in the field of social communication has got widened in the two other wings of FES – Labour Issue and Gender from 2013. The department has successfully conducted 17 programmes with FES in various fields till date during the last five years. FES has identified the department as the only Journalism and Mass Communication Centre in Eastern India where they are conducting programmes concerning all their three wings.

Recently, students have entered in mentoring programme conducted by the Public Relations Society of India. Students and scholars present papers at various national and international conferences on regular basis. Students participate in various photography competitions and others contests. Students help in the event management of various festivals held in Santiniketan (Pous Mela, Anadabazar etc.).

- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Not yet
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

Builds budding communicators a real taste of the practical field of journalism. Students also prepare visual and audio news capsules, full-fledged films, web projects under the guidance of the experts from the respective fields. They prepare short films chronicling work related to development communication, with emphasis on rural India.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
 - a) Strengths:**
 - i) Practical Training Based Course
 - ii) Guidance of experts from the field
 - iii) Scope for extensive field work
 - iv) Scope for Rural and Development Communication
 - v) A heritage institution with a strong Indian Communication approach.
 - b) Weaknesses:**
 - i) Infrastructure
 - ii) Limited number of Faculty Members
 - iii) Inadequate space
 - iv) Distance from metro city
 - v) Inadequate medical facilities.
 - c) Opportunities:**
 - i) Scope for extensive field work
 - ii) Scope for Rural and Development Communication

- iii) Opportunities for undertaking projects
- iv) Scope for further development
- v) Scope for convergence of New Media with the Traditional Communication System prevailing in the nearby rural area.

d) Challenges:

- i) Distance from metro city
- ii) Funding
- iii) Inadequate Infrastructure
- iv) Generating confidence among the rural students bearing modest background
- v) Availability of adequate scholarships for meritorious students

52. Future plans of the department:

- a) Updating the present course curriculum with a special emphasis on Rural Communication and New Media under Mass Communication Studies.
- b) Exploring the probability of introducing short-term courses.

Evaluative Report of the Department of Geography

1. **Name of the Department :** Geography
2. **Year of establishment :** 1968 (B.A. Honours programme initiated)
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG and Ph.D.
5. **Interdisciplinary programmes and departments involved :**
We have initiated an interdisciplinary programme for establishing the Centre For Climate Studies with Department of Environmental Science, Visva-Bharati.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** We shall have to take initiatives for exchange programme with other national and foreign universities.
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :**
Some of our faculty members are participating in different UGC sponsored refresher and other courses of equivalent nature to different universities.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 1 | 1+6 CAS |
| Associate Professors | 4 | 2 | 2 |
| Asst. Professors | 9 | 9 | 3 |
| Others | - | - | - |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Prof. Guru Prasad Chattopadhyay
 - Qualification** : M.A., Ph.D

- | | | | |
|----|--|---|---|
| | Designation | : | Professor |
| | Specialization | : | Geomorphology, Environmental Geography |
| | No. of Years of Experience | : | 37 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 08 |
| b) | Name | : | Prof. Sumantro Mukherjee |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Professor |
| | Specialization | : | Resource Geography, Water Resources |
| | No. of Years of Experience | : | 34 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
| c) | Name | : | Prof. Debasish das |
| | Qualification | : | M.A., M.Phil, Ph.D |
| | Designation | : | Professor |
| | Specialization | : | Rural Development, Regional Planning, Agricultural Geography |
| | No. of Years of Experience | : | 34 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 08 |
| d) | Name | : | Prof. Malay Mukhopadhyay |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Professor |
| | Specialization | : | Fluvial Geography, Environmental Geography, Regional Planning |
| | No. of Years of Experience | : | 27 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 06 |
| e) | Name | : | Prof. Uma Sankar Malik |
| | Qualification | : | M.A., Ph.D |
| | Designation | : | Professor |
| | Specialization | : | Industrial Geography |
| | No. of Years of Experience | : | 26 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 08 |
| f) | Name | : | Dr. Sutapa Mukhopadhyay |
| | Qualification | : | M.A., Ph.D |

- Designation** : Associate Professor
Specialization : Geomorphology
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- g) Name** : Dr. Manjari Bhattacharji
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Geomorphology
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- h) Name** : Dr. Gopal Chandra Debnath
Qualification : MA, M.P.S., M.B.A., D.IDM. PS., GIS (Texas University, USA), MSW., D.M.M., D.P.M., C.D.P., C.R.S., Ph.D.
Designation : Associate Professor
Specialization : Population Geography, GIS
No. of Years of Experience : Research 30years, Teaching 3 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) Name** : Dr. Krishnendu Gupta
Qualification : MA, PG Diploma in RS &GIS (IIRS), Ph.D.
Designation : Assistant Professor
Specialization : Applied Geomorphology, Remote Sensing & GIS
No. of Years of Experience : 16
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- j) Name** : Mr. Bhairu Lal Yadav
Qualification : M.A., M.Phil
Designation : Assistant Professor
Specialization : Population Geography and Demography
No. of Years of Experience : 2.5
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- k) **Name** : Ms. Sudipta Sarkar
Qualification : M.A., M. Phil, MAGD
Designation : Assistant Professor
Specialization : Population and Settlement Geography
No. of Years of Experience : 7 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Already a letter has been sanctioned for inviting a visiting fellow. Prof. Sudipto Adhikary, Professor and Ex. Vice Chancellor, Patna University, have a plan to come in our university for delivery a series of lectures under the scheme.

13. Percentage of classes taken by temporary faculty — programme-wise : No

14. Programme-wise Student Teacher Ratio :

- a) U.G. – 1:15
b) P.G. – 1:10

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| Staff | Sanctioned Post |
|--------------------------|-----------------|
| Technical (cartographer) | 1 i.e. vacant |
| Administrative | 2 |
| Laboratory | 1 i.e. vacant |

16. Research thrust areas as recognized by major funding agencies:

- a) Human Ecology,
b) Physical Geography,
c) RS/GIS
d) Climate Studies (UGC, ICSSR, DST)

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil

- a) **National** – 06
b) **International** – Nil
c) **Total Grants received** – Rs. 3000000/- (approx)

| S.No. | Name of the faculty member as P.I. | Title of the project | Sponsoring Agency |
|-------|------------------------------------|---|-----------------------------|
| 1 | Dr. Malay Mukhopadhyay PI ;Dr. | A perception study on Kal Baisakhi (pre monsoon | Govt, of India, Ministry of |

| | | | |
|---|--|---|---|
| | Arini Chakraborty,(Physics) Dr. Sutapa Mukhopadhyay, and Dr. Debashis Sarkar(Agriculture), Co- Investigators | storm) in neighbourhood of Santiniketan | science and Technology , Department of Science and Technology, Earth system science Division, |
| 2 | Prof.V.C.Jha Principal Investigator Dr. Krishnendu Gupta Co Investigator | LandDegredation.Desertification and Integrated Management of the lateritic surfaces in Birbhum District, West Bengal Using Field and Remote Sensing techniques | Department of Science and Technology, Govt. of West Bengal |
| 3 | Dr. Manjari Bhattacharji | “Rural Human Ecosystems: Comparative studies from different ecological regions of W.B | University Grants Commission ,New Delhi |
| 4 | Prof. Sutapa Mukhopadhyay | An approach to the abatement of flood hazards of Mayurakshi river basin of West Bengal, Eastern India, through geo- economic management | University Grants Commission ,New Delhi |
| 5 | Prof. Guru Prasad Chattopadhyay | Quaternary geomorphology and pattern of temporal and spatial de-glaciation on the southeast-facing slopes of Kanchenjunga, Sikkim Himalaya | University Grants Commission ,New Delhi |
| 6 | Dr. Manjari Bhattacharji | Impact of regulated drainage on agriculture and ecology in parts of Lower Damodar Flood Plain, West Bengal | Indian Council of Social Science Research(ICSSR), New Delhi |

18. Inter-institutional collaborative projects and associated grants

- a) **National collaboration:** Already completed one project in collaboration with department of Atmospheric Physics, Jadavpur University.
- b) **International collaboration:** We have already prepared a futuristic scheme for the international collaboration for interdisciplinary scheme. The Department has

been already recognized by IGU (International Geographical Union).

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

| Project/ Duration/ Status | Principal- Investigator | Co- investigat or-if any | Funding agency | Total grant (in Rs.) |
|--|------------------------------------|---|--|---------------------------------|
| A perception study on Kal Baisakhi in neighbourhood of Santiniketan (Duration: 3 Yrs Status: Completed) | Dr. Malay Mukhopadhyay | Arini Chakraborty, Dr. Sutapa Mukhopadhyay, Dr. Debashis Sarkar | Ministry of science and Technology , Department of Science and Technology, Earth system science Division, Govt, of India | 11,11,692/- |
| Quaternary geomorphology and pattern of temporal and spatial deglaciation on the southeast-facing slopes of Kanchenjunga, Sikkim Himalaya (Duration: 3 Yrs Status: Completed) | Prof. Guru Prasad Chattopadhyay | | UGC | 8,88,000/- |
| Project/ Duration/ Status | Principal- Investigator | Co- investigat or-if any | Funding agency | Total grant (in Rs.) |
| An approach to the abatement of flood hazards of Mayurakshi River basin of West Bengal, Eastern India, through geo - economic management since 1st February,2010 (Duration: 3 Yrs Status: Completed) | Dr. Sutapa Mukhopadhyay | | UGC | 6,37,200/- |
| Rural Human Ecosystems: Comparative studies from different ecological regions of W.B (Duration: 2 Yr 6 months Status: Completed) | Dr. Manjari Bhattacharya | | UGC | 7,76,200/- |

20. Research facility / centre with

- a) **State recognition** : Department already has been recognized by DST for conducting research.
- b) **National recognition:** Department already has been recognized by UGC and ICSSR.
- c) **International recognition:**

21. Special research laboratories sponsored by / created by industry or corporate bodies: No

22. Publications:

a) No. of papers published in peer reviewed journals (national/international):

| | | |
|---------------------------|---|----|
| Prof. Sutapa Mukhopadhyay | – | 08 |
| Prof. U. S. Malik | – | 08 |
| Dr. Manjari Bhattacharji | – | 11 |
| Prof. G. P. Chattopadhyay | – | 14 |
| Prof. M. Mukhopadhyay | – | 03 |

b) Monographs:

c) Chapters in Books:

| | | |
|---------------------------|---|----|
| Prof. Sutapa Mukhopadhyay | – | 02 |
| Dr. Manjari Bhattacharji | – | 01 |

d) Edited Books:

| | | |
|---------------------------|---|----|
| Prof. Sutapa Mukhopadhyay | – | |
| Prof. U. S. Malik | – | |
| Dr. Manjari Bhattacharji | – | 01 |
| Prof. G. P. Chattopadhyay | – | |
| Prof. M. Mukhopadhyay | – | 02 |

e) Books with ISBN with details of publishers:

Prof. Sutapa Mukhopadhyay –

- i) *Advanced River Geography*, 2010, acb publication, (joint author) Kolkata, ISBN 81-87500-33-6.
- ii) *Dynamic Fluvio-geomorphological Environment of Indian Sundarbans*, 2012, Lambert Academic Publishing, Germany, ISBN 978-3-8443-1370-3.
- iii) *Geographical Dictionary* (in Bengali), 2013 Published by acb publication, (joint author) Kolkata. ISBN 81-87500-74.

Dr. Manjari Bhattacharji –

- i) Resource Use and Development Quandary Ed. R.S.Singh. Cambridge Scholars Publishing Limited ISBN: 9780000052377.

Prof. M. Mukhopadhyay –

- i) *Advanced River Geography*, 2010, (joint author) acb publication, Kolkata, ISBN 81-87500-33-6.
- ii) *Geographical Dictionary* (joint author)(in Bengali), 2013 Published by acb publication, Kolkata.ISBN 81-87500-74.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated:** We have plan to open a self financed integrated course work in GIS and Remote Sensing.
- 24. **Areas of consultancy and income generated:** We have plan to open a self financed integrated course work in GIS and Remote Sensing.
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
Many of our faculty members are selected nationally and internationally in various programme.
- 26. **Faculty serving in**
 - a) **National committees:** No
 - b) **International committees:** No
 - c) **Editorial Boards:** No
 - d) **Any other (please specify):**
Prof. V.C. Jha –
Director in NATMO-DST, GOI, Vide individual State-on deputation.
- 27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
All the young faculty members have participated in UGC sponsored orientation and refresher courses.
- 28. **Student projects:**
Students participate in mandatory in self financed house projects as part of their curriculum.
 - a) **percentage of students who have done in-house projects including**

- interdepartmental projects: No
- b) percentage of students doing projects in collaboration with other universities / industry / institute: No
29. Awards / recognitions received at the national and international level by
- a) Faculty: No
- b) Doctoral / post doctoral fellows: No
- c) Students: No
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:
- a) National Seminar on Emerging Issues in Geography (2010).
- b) National Seminar on Frontiers of Research in Mna Nature Interface 2014
- c) One DST SPONSORED workshop: on Perception of Neighborhood People on Kaal baisakhi Storm(2011)
31. Code of ethics for research followed by the departments:
As per University Rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| U.G. | | 23 | 22 | 100% | 100% |
| P.G. | | 26 | 20 | 100% | 100% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| U.G. | 50% | 50% | 0 | 0 |
| P.G. | 88.4% | 11.6% | 0 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:
- a) NET/SET : 63

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 99% |
| PG to M.Phil. | N/A |
| PG to Ph.D. | 25% |
| Ph.D. to Post-Doctoral | N/A |
| Employed | N/A |
| • Campus selection | |
| • Other than campus recruitment | N/A |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 3 |
| from other universities within the State | 6 |
| from universities from other States | 2 |
| from universities outside the country | NIL |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) Library: Yes
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms: 3 classrooms
- d) Class rooms with ICT facility: 02 laboratories
- e) Students' laboratories: 02
- f) Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates:

- a) from the host institution/university – 03
- b) from other institutions/universities – 07

40. Number of post graduate students getting financial assistance from the university:

Substantial number of students are getting the financial assistance in various scheme

like national scholarship, free student ship, single girl child, OBC, Monorities, SCs, STs, Handicapped etc.

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**
Inputs are being invited from External Experts.
42. **Does the department obtain feedback from**
 - a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, through faculty meetings.
 - b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** No
 - c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** No.
43. **List the distinguished alumni of the department (maximum 10):**
 - a) Dr. Sucharita Sen (JNU)
 - b) Swadesh Pal-Ga Barga
 - c) Bidisha Biswas
 - d) Saint Chdentaty
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Yes
45. **List the teaching methods adopted by the faculty for different programmes:**
Mandatory Field based study micro-level studies on different problems and issues of neighboring areas under the direct supervision of Faculty members and preparation of reports.
46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
By the various monitoring activities like examination, debate, ex tempo, essay writing, quiz etc.
47. **Highlight the participation of students and faculty in extension activities:**
NSS, NCC, outreach activities.
48. **Give details of “beyond syllabus scholarly activities” of the department:**
Student seminars on topics beyond curriculum
49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
Not yet
50. **Briefly highlight the contributions of the department in generating new**

knowledge, basic or applied:

As the subject is an empirical one, so the subject holds a strong position in disseminating traditional knowledge as well as basic and applied knowledge for mitigating the problem of man and nature.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**a) Strengths:**

- i) Well balanced syllabus, punctuality, continuous evaluation, good teacher student ratio, excellent ambient atmosphere teaching-learning process.
- ii) The current academic syllabus is well balanced and conforms to that being followed in different universities across India.
- iii) Because of a well balanced syllabus our students are qualifying in the National Level Eligibility Tests[NET] being conducted by UGC every year and most of them are suitably employed within a short period of their passing out .
- iv) The internal assessment tests are being conducted punctually in all the Semesters so also the semester end examinations thereby ensuring continuous evaluation of students' academic performance.
- v) Class seminars on topics related to the syllabi are conducted and duly evaluated thereby ensuring students' active participation in the teaching learning process.
- vi) Activities such as class seminars generate a lot of academic enthusiasm among students and ensure active student teacher interaction.

b) Weaknesses:

- i) Space crunch, funds are not adequate, shortage of ministerial staff both technical and non technical, lack of laboratories, class room equipments, lavatories etc.
- ii) The department urgently needs additional class rooms, a seminar hall and separate cubicles for full time and part time research scholars.
- iii) Expert technical staff to handle map making and making them camera /publication ready are urgently required too to assist in the publication of research /study materials.
- iv) Qualified personnel are also urgently required for maintenance, storage, documentation and inventorisation of hard and soft data to ensure ease and proper utilization of the database available in the department.
- v) Separate lavatories are required for female and male faculty and staff members.
- vi) Staff for day to day cleaning and maintenance of rooms, departmental

premises and lavatory is urgently required for proper maintenance of 'work atmosphere' and general ambience of the department.

c) Opportunities:

- i) Ample scope for employment generation, strong research avenues, opportunities in decision making in public and private life, participatory resource appraisal and digital challenges.
- ii) The department can offer a self financed diploma course on Remote Sensing & GIS .Not only will the students benefit from it but it will also create local employment opportunities.
- iii) A monograph on the resource base of the Birbhum district will throw open several viable opportunities in decision making in public and private life.
- iv) The department can set up an outreach centre for implementation of development programmes funded by different wings of the Government Departments such as DST, Ministries of forest, Rural Development, Environment, etc.
- v) Points ii & iii above will generate enough sustainable scope for employment generation.

d) Challenges:

- i) To update the syllabus/curriculum for keeping the trend of subject, technological up gradation, infrastructure and logistic support.
- ii) The principal challenges for realisation of the points and agenda stated above will be to initiate the administrative and logistic processes.
- iii) Identification of the funding agencies.
- iv) Obtaining the required amount of funds for activities stated under the Head of Opportunities (C) above will be another significant challenge.
- v) Implementation of the activities and opportunities to be generated will be a significant challenge before the department too.

52. Future plans of the department:

- a) Collaborative research with organizations like ISRO, Departments of environment, rural development.etc with special reference local issues, problems and prospects.
- b) Implementation of the results of collaborative research on ground.
- c) Training programmes on mapping skills and applied geographical knowledge for administrative personnel.
- d) Revenue generation through the above programmes.
- e) Departmental collaboration with recognised private institutions for policy making and subsequent implementation.
- f) Establishment of contact with alumni engaged in different spheres of activity in India and abroad for exchange programmes and academic and professional

interaction with current students.

- g) Establishment of contact with other universities and organizations(both national and international)for student exchange programme like summer courses, field studies and workshops.

Evaluative Report of the Department of Anthropology

1. **Name of the Department :** Department of Anthropology
2. **Year of establishment :** 2010
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
PG and Ph.D.
5. **Interdisciplinary programmes and departments involved :**
Planning for collaboration with other departments of parent and other universities.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Planning for collaboration with other universities.
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :**
Faculty act as a guest teacher in other departments.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|----------|------------------------------|
| Professor | 01 | Unfilled | |
| Associate Professors | 01 | 01 | Professor (CAS) |
| Asst. Professors | 04 | 03 | |
| Others | Nil | Nil | Nil |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Dr. Manas Ray
 - Qualification** : M.Sc., M.Phil., Ph.D, D.Litt
 - Designation** : Professor
 - Specialization** : Cultural Anthropology

- No. of Years of Experience : 15
 No. of Ph.D./M.Phil. students guided for the last 4 years : 12
- b) Name : Dr. Arnab Ghosh
 Qualification : M.Sc., Ph.D
 Designation : Assistant Professor
 Specialization : Physical/Biological Anthropology
 No. of Years of Experience : 10
 No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- c) Name : Dr. Jyoti Ratan Ghosh
 Qualification : M.Sc., Ph.D
 Designation : Assistant Professor
 Specialization : Physical/Biological Anthropology
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- d) Name : Dr. Rangya Gachui
 Qualification : M.A., Ph.D
 Designation : Assistant Professor
 Specialization : Social-Cultural Anthropology
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty — programme-wise : Nil
14. Programme-wise Student Teacher Ratio :
- a) P.G. – 1:2.5
 c) Ph.D. – 1:1
15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (technical) | 05 | 01 | 01 |
| Administrative Staff | 02 | 01 | 01 |

16. Research thrust areas as recognized by major funding agencies:

Epidemiology; Non-communicable disease.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

Number of faculty - 2

National – 5

Total grants received – Rs. 83,12,800.00

Funding Agencies – UGC, ICMR, ICSSR

Project-wise names of the funding agencies, project title and grants received :

| Funding agency | Project title | Grants received |
|----------------|--|------------------|
| UGC | On Childhood obesity | Rs. 10,85,200.00 |
| UGC | T2DM risk in adult....of WB, India | Rs. 10,92,600.00 |
| ICMR | On obesity explanation | Rs. 26,00,000.00 |
| ICMR | On CVD risk factor among Indian Tribes | Rs. 30,00,000.00 |
| ICSSR | Cervical cancer assessment | Rs. 5,35,000.00 |

18. Inter-institutional collaborative projects and associated grants

a) **National collaboration:** One National collaboration with Dept. Of Anthropology, University of Calcutta Funding agency - UGC, Grants – Rs. 10,92,600.00.

b) **International collaboration:** Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil
20. Research facility / centre with

a) state recognition : Nil b) national recognition: Nil

c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: No
22. Publications:

a) **No. of papers published in peer reviewed journals (national/ international):**

Prof. Manas Ray – 05

Dr. Arnab Ghosh – 31

Dr. Jyoti Ratan Ghosh – 08

Dr. Rangya Gachui – 01

b) **Monographs:** – Nil

c) **Chapters in Books:** – 04

Prof. Manas Ray –

- i) 'Connectivity, Ethnic crisis and National Integration' in *Issues in contemporary society*, ed. by J. Borbora & other, DVS Publications, Gwahati, Assam, ISBN: 978-81-86307-28-1, 2010.

Dr. Jyoti Ratan Ghosh –

- i) Does overweight influence foot structure in adult? 2011. People of Contemporary North East India. Tiluttoma Baruha (Eds.) Partisruti Publication, Guwahati. Pp. 38-48. (ISBN 81-88705-12-2).
- ii) Assessing obesity in adult Bengalee males. 2012. Human health: a biocultural synthesis. Subir Biswas (Eds). Concept Publishing. (ISBN:9788180698460).

d) Edited Books: Nil**e) Books with ISBN with details of publishers: Nil****f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**

Prof. Manas Ray – 04

Dr. Arnab Ghosh – 27

Dr. Jyoti Ratan Ghosh – 06

g) Citation Index — range / average:

Dr. Arnab Ghosh – range-1-13

Dr. Jyoti Ratan Ghosh – range-1-13

h) SNIP:**i) SIR:****j) Impact Factor — range / average:**

Dr. Arnab Ghosh – range- 0.451-3.978

Dr. Jyoti Ratan Ghosh – range-0.676 – 2.335

k) h-index:**23. Details of patents and income generated: Nil****24. Areas of consultancy and income generated: Nil****25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil****26. Faculty serving in****a) National committees:**

Prof. Manas Ray –

- i) Member, Networking and communication, Anthropological survey of India, Govt. of India.
- ii) Member, Jt. Programme Advisory Committee (PAC), Prasar Bharati, Govt. of India.
- iii) Member, Mass Media Centre, Govt. of West Bengal.
- iv) Member, Board of Studies, West Bengal State University.
- v) Member, Board of Studies, Department of Mass Communication, University of Burdwan.

b) International committees: Nil

c) Editorial Boards:

Prof. Manas Ray –

- i) Editor, The Anthropology, Visva-Bharati (ISSN: 2249-9830) .
- ii) Member, Editorial Advisory Board, Global media Journal, USA.
- iii) Peer Reviewer, IPS, France, IISSET, UK and SA.

Dr. Arnab Ghosh –

- i) Journal of Cardiovascular Disease Research.
- ii) Journal of Cardiology and Therapy.
- iii) The Anthropology, Visva-Bharati (ISSN: 2249-9830).

Dr. Jyoti Ratan Ghosh –

- i) Editorial Board Member, The Anthropology, Visva-Bharati (ISSN: 2249-9830).
- ii) Reviewer of International Journals:
 - A. Therapy
 - B. The Medical Science Monitor
 - C. Annals of Human Biology
 - D. Indian Journal of Medical Science

Dr. Rangya Gachui –

- i) Editorial Board Member, The Anthropology, Visva-Bharati (ISSN: 2249-9830).

d) Any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Dr. Jyoti Ratan Ghosh –

- a) Refresher course, ASC, University of North Bengal
- b) Orientation programme, ASC, University of Calcutta

Dr. Rangya Gachui –

- a) Refresher course, ASC, University of Calcutta

b) Orientation programme, ASC, Aligarh Muslim University

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Planning for doing projects in collaboration with other Universities by the students.

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** Participated in the Indo-China cultural exchange programme.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Planning for organizing national and international seminar/conferences/ workshops.

31. Code of ethics for research followed by the departments:

As per University Rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| P.G. (2010-11) | NA | NA | NA | NA | NA |
| P.G. (2011-12) | 20 | 03 | 03 | 100% | 100% |
| P.G. (2012-13) | 34 | 01 | 05 | 100% | 100% |
| P.G. (2013-14) | 54 | 04 | 02 | 100% | 100% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| P.G. (2010-11) | 0 | | | |
| P.G. (2011-12) | 0 | 100% | NIL | NIL |
| P.G. (2012-13) | 0 | 100% | NIL | NIL |
| P.G. (2013-14) | 16% | 84% | NIL | NIL |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

35. Student progression:

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | Not Applicable |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 7 |
| Ph.D. to Post-Doctoral | Nil |
| Employed | 2 |
| <ul style="list-style-type: none"> Campus selection Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | Nil |
| from other universities within the State | 3 |
| from universities from other States | 1 |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library: Nil
- Internet facilities for staff and students: Not available for all staffs. No facility for students.
- Total number of class rooms: 2 Room utilizing as adhoc class room.
- Class rooms with ICT facility: Nil
- Students' laboratories: Nil
- Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates:

- a) from the host institution/university – 08
 - b) from other institutions/universities – 03
40. Number of post graduate students getting financial assistance from the university: 01 [Pikli Khanra (2011-12)].
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, feedbacks are utilized for the improvement of curriculum as well as teaching learning process.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Feedbacks are utilized for the improvement of curriculum as well as teaching learning process.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback: Feedbacks are utilized for the improvement of curriculum as well as teaching learning process.
43. List the distinguished alumni of the department (maximum 10):
- a) Dr. Palas Coomer, Dy. Director, Register General of India, Govt. of India.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
Planning for organizing special lecture/ workshops/ seminar for student enrichment.
45. List the teaching methods adopted by the faculty for different programmes:
OHP
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:
By conducting continuous/internal assessment.
47. Highlight the participation of students and faculty in extension activities: Not yet
48. Give details of “beyond syllabus scholarly activities” of the department:
Planning for organizing seminar and workshop in the department.
49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: None

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths:

- i) Teacher student ratio.
- ii) Department located in the field area.
- iii) Frequent interaction with tribal people.
- iv) Good relation between teacher and student.
- v) University is deeply associated with Indian culture and tradition.

Weaknesses:

- i) No Departmental library.
- ii) Insufficient space for the Department.
- iii) Insufficient instrument for the laboratory.
- iv) No proper infrastructure in the Department.

Opportunities:

- i) Opportunity to interact with the Santal, Munda, Kora Tribes.
- ii) Opportunity to enrich the culture of Area.
- iii) Opportunity to get funding from various funding agencies.
- iv) Taking part in Govt. plans in the development of SC/ST communities.
- v) Biocultural perspectives of health.

Challenges:

- i) To bring equity within the ethnic groups in Tegerian Thought.
- ii) To excavate the prehistoric site of the District, if infrastructure is provided.
- iii) To uplift the rural youth for self reliance that diminishing the probability of ethnic unrest and increasing proper knowledge of national integration.
- iv) As a new established department it is the challenge for faculty to open full time Under Graduate Course and relevant infrastructure in Anthropology.
- v) By the dissemination of the knowledge of Anthropology the planners/ administrators of the country knows the people of India better.

52. Future plans of the department:

- a) To introduce B.A./B.Sc course in Anthropology.
- b) To introduce M.Phil course in Anthropology.
- c) Sufficient space for class room, laboratory, faculty room, library, office room computer laboratory of the Department.
- d) To introduce community radio centre (CRC).
- e) To introduce short-term courses like customary laws, forensic science, social exclusion, cross-border study, communication and ethnic crisis., Nutrition

Assessment.

- f) To organized national and international seminar twice in a year.
- g) To introduce special research laboratories of physical/biological anthropology by industry or corporate body.
- h) To regularize the Departmental journal.

Evaluative Report of the Department of History

1. **Name of the Department :** History
2. **Year of establishment :** 1962
3. **Is the Department part of a School/Faculty of the university?** Yes, Vidya-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
U.G., P.G., M.Phil, Ph.D
5. **Interdisciplinary programmes and departments involved :**
Combined teaching of some common courses on Indian History at UG level with the Department of Ancient Indian History, Culture and Archaeology.
Allied courses, Tagore Studies, Environmental Studies at UG level
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester System both as UG & PG levels.
9. **Participation of the department in the courses offered by other departments :**
Combined teaching of some common courses on Indian History at UG level with the Department of Ancient Indian History, Culture and Archaeology.
Allied courses, Tagore Studies, Environmental Studies at UG level
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 1 | 5 |
| Associate Professors | 4 | 2 | 2 |
| Asst. Professors | 10 | 10 | 7 |
| Others | Nil | Nil | Nil |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Sandip Basu Sarbadhikary
 Qualification : Ph.D
 Designation : Professor
 Specialization : History of Burma, Peasant History
 No. of Years of Experience : 30
 No. of Ph.D./M.Phil. students guided for the last 4 years : 08 (awarded- 5, Supervising- 3)
- b) Name : Chhanda Chatterjee
 Qualification : Ph.D
 Designation : Professor
 Specialization : Agrarian History, Sikh and Tagore Studies
 No. of Years of Experience : 34
 No. of Ph.D./M.Phil. students guided for the last 4 years : 05 (awarded- 2, Supervising- 3)
- c) Name : Bhaskarjyoti Basu
 Qualification : Ph.D
 Designation : Professor
 Specialization : Maritime & Economic History
 No. of Years of Experience : 31
 No. of Ph.D./M.Phil. students guided for the last 4 years : 07 (awarded- 3, Supervising- 4)
- d) Name : Bipasha Raha
 Qualification : M.Phil., Ph.D
 Designation : Professor
 Specialization : Socio-economic History of Colonial India, Tagore Studies
 No. of Years of Experience : 20
 No. of Ph.D./M.Phil. students guided for the last 4 years : 07 (awarded- 2, Supervising- 5)
- e) Name : Syed Ejaz Hussain
 Qualification : Ph.D
 Designation : Professor
 Specialization : Medieval Indian History, Numismatics and Epigraphy
 No. of Years of Experience : 20

- No. of Ph.D./M.Phil. students
guided for the last 4 years** : 05 (awarded- 4, Supervising- 1)
- f) **Name** : Arpita Sen
Qualification : M.Phil., Ph.D
Designation : Associate Professor
Specialization : North-eastern India
No. of Years of Experience : 16
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : Supervising- 3
- g) **Name** : Deep Kanta Lahiri Chaudhury
Qualification : Ph.D
Designation : Associate Professor
Specialization : Science and Technology in Colonial India
No. of Years of Experience : 07
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : Nil
- h) **Name** : Arunava Das
Qualification : M.A.
Designation : Assistant Professor
Specialization : Tourism Studies
No. of Years of Experience : 17
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : Nil
- i) **Name** : Subhayu Chattopadhyay
Qualification : M.Phil., Ph.D
Designation : Assistant Professor
Specialization : History of Science and Technology in
Colonial India, Partition History
No. of Years of Experience : 13
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : Supervising- 3
- j) **Name** : Amarendra Kumar
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Maratha History
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students

- guided for the last 4 years : Nil
- k) Name : Pum Khan Pau
 Qualification : Ph.D
 Designation : Assistant Professor
 Specialization : Modern India
 No. of Years of Experience : 06
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : Nil
- l) Name : Sabyasachi Das Gupta
 Qualification : Ph.D
 Designation : Assistant Professor
 Specialization : Military History
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : Supervising- 2
- m) Name : Sudhi Mandloi
 Qualification : M.A.
 Designation : Assistant Professor
 Specialization : Social History
 No. of Years of Experience : 03
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : Nil
- n) Name : Atig Ghosh
 Qualification : Ph.D
 Designation : Assistant Professor
 Specialization : Modern History
 No. of Years of Experience : 02 Months
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
 2009-10
- Prof. Achintya Dutta, University of Burdwan
 - Prof. Sujata Mukherjee, Rabindra Bharati University
 -
 - Prof. Sajal Nag, Assam University, Silchar
 - Prof. Ranjan Chakravarty, Jadavpur University

2010-11

- a) Prof. Mridula Mukherjee, Director, Nehru Memorial Museum and Library
- b) Prof. Aditya Mukherjee, JNU
- c) Prof. S.D. Gajrani, formerly of Punjabi University, Patiala
- d) Prof. Ratnabali Chatterjee, formerly of University of Calcutta

2011-12

- a) Prof. Sushil Choudhury, formerly of Calcutta
- b) Prof. Grewal, formerly of Punjabi University
- c) Prof. Indu Banga, formerly of Punjabi University

2012-13

- a) Prof. Ratneshwar Misra, formerly of Patna University
- b) Prof. Amit Bhattacharya, Jadavpur University

13. Percentage of classes taken by temporary faculty — programme-wise : Nil

14. Programme-wise Student Teacher Ratio :

- a) U.G. – 1:8
- b) P.G. – 1:5

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (technical) | | | |
| Administrative Staff | 01 | 01 | 01 |

16. Research thrust areas as recognized by major funding agencies:

‘UGC SAP DRS- ‘Economic and Social History of India- 1200-1950’.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

- a) Prof. Chhanda Chatterjee- ‘The Sikh Minority Syndrome and the Partition of Punjab, 1920-1947’, funded by ICHR.
- b) Prof. Bipasha Raha- UGC Major Research Project on ‘The Rural World in Contemporary Literature: Changing Perceptions in Colonial Bengal 1930-50’, 2011-13, Grants received: Rs. 5,21,200/-
- c) Prof. Bipasha Raha- Major Research Project on ‘Indian Nationalism and Rural Resuscitation: Rabindranath Tagore and Village Reconstruction (1890-1912)’ funded by the UGC, April 2007- March 2010.
- d) Prof. Bipasha Raha- Indian Council of Historical Research funded Research

Project for two years on 'Literary Representation of the Peasantry in Nineteenth Century Bengal', 2009-11.

- e) Prof. Syed Ejaz Hussain- UGC funded 'The Jaunpur Sultanate: A Study in Economy, Coins and Culture (1394-1479)' project submitted, 2012.

18. Inter-institutional collaborative projects and associated grants

- a) **National collaboration:** Nil b) **International collaboration:** Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

UGC SAP DRS Phase II

20. Research facility / centre with

- a) **state recognition :** Nil b) **national recognition:** Nil
c) **international recognition:** Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: No

22. Publications:

a) No. of papers published in peer reviewed journals (national/international):

| | | |
|---------------------------------|---|----|
| Prof. S. Jeyaseela Stephen | – | 01 |
| Prof. Chhanda Chatterjee | – | 11 |
| Prof. Bhaskarjyoti Basu | – | 02 |
| Prof. Bipasha Raha | – | 02 |
| Prof. Syed Ejaz Hussain | – | 09 |
| Dr. Arpita Sen | – | 02 |
| Dr. Deep Kanta Lahiri Choudhury | – | 02 |
| Dr. Amarendra Kumar | – | 02 |
| Dr. Pum Khan Pau | – | 04 |
| Dr. Sabyasachi Das Gupta | – | 01 |
| Dr. Atig Ghosh | – | 02 |

b) Monographs:

Prof. S. Jeyaseela Stephen –

- i) *Oceanscapes of Tamil Textiles in the Early Modern World*, Primus Books, New Delhi, 2013, ISBN-978-93-80607-57-3.
ii) *The Sky of Indian History: Themes and Thought of Rabindranath Tagore*, UBS Publishers and Distributors, New Delhi, 2010, ISBN 978-81-7476-658-8.

- iii) *The Expanding Portuguese Empire and the Tamil Economy, 16-18th Centuries*, Manohar, Delhi, 2009.

Prof. Chhanda Chatterjee –

- i) *Premier Sadhana: Rabindranath Thakur O Shri Guru Granth Sahiber Ka'jan Sikh O Santa Kabi* (in Bengali) Gangchil, Kolkata 2011.

Prof. Bipasha Raha –

- i) *The Pen and the Plough: Agriculture, Peasantry and the Literati in Colonial Bengal* Manohar, Delhi, 2012, ISBN 978-81-7304-941-5.

Prof. Syed Ejaz Hussain –

- i) *The Varied Facets: Essays in Honour of Professor Aniruddha Ray* (Edited jointly with Prof. Ishrat Alam), Primus Books, Delhi, 2011.

Dr. Deep Kanta Lahiri Choudhury –

- i) *Telegraphic Imperialism: Crisis and Panic in the Indian Empire, c. 1850-1920*, London: Palgrave Macmillan, 2010.

Sri Arunava Das –

- i) *Sekhawati, The land of Painted Havelis in North Rajasthan, Where Economic Affluence Combined Culture*, ISBN: 978-93-80197-15-9, November 2010, Abhijan Publishers, (in Bengali), Kolkata.
- ii) *Sekhawati, Chitrito Havelir Desh* (in Bengali), ISBN: 978-93-80197-06-7, 2011, Abhijan Publishers, Kolkata.
- iii) *Rangbahari Andaman* (in Bengali), ISBN: 978-93-80197-18-0, 2010, Kolkata, Abhijan Publishers.

c) Chapters in Books: –

Prof. S. Jeyaseela Stephen –

- i) 'Tamzhilnattil Portuguesiya Oviyangal', in N. Balusamy, Matru Vezhiyella (ed.) *Chithira Madaaam*, Chennai, 2010, pp. 99-114.

Prof. Chhanda Chatterjee –

- i) 'Contextualising Truth: Deconstructing the Poet Khazan Singh's Account of the War of Delhi, 1857', in Crispin Bates (ed.) *Mutiny at the Margins: New Perspectives on the Indian Uprising of 1857*, vol. I, ed. By Crispin Bates, Anticipations and Experiences in the Locality, Sage, New Delhi, 2013, pp. 132-148.
- ii) 'Koh-i-noor or 'The Mountain of Light': Punjab and Khalsa Sovereignty in Travel Narratives' in Somdatta Mondal (ed.) *Indian Travel Narratives*, Rawat Publications, Jaipur and Delhi, 2010.

Prof. Bipasha Raha –

- i) 'Rabindranath Tagore: Attempt at Revival of Villages' in Swati Ganguly and Abhijit Sen (ed.) *Rabindranath Tagore and the Nation, Essays in*

Politics, Society and Culture, Punascha in association with Visva-Bharati, Calcutta, 2011.

- ii) 'Rural Health and Hygiene: Rabindranath Tagore's Experiments with Rural Reconstruction,' in Arabinda Samanta, Syed Tanveer Nasreen and Aparajita Dhar (ed.), *Life and Culture in Bengal, Colonial and Post-Colonial Experiences*, Progressive Publishers, Calcutta, 2011

Prof. Syed Ejaz Hussain –

- i) 'Numismatic Evidences Forming Basis for Periodizing Indian History' *Studies in Indian Numismatics (Special Centenary Volume)*, pp.145-54, Numismatic Society of India, Varanasi, 2009.
- ii) 'Crafts and Capital in Medieval India (c. 1200-1750): A Study in Indian Historiography', in *Urbanisation in India: Past and Present* (ed. Chittabrata Palit), pp.82-108, Institute of Historical Studies, Kolkata, 2009.
- iii) 'Coins and Commerce in Bihar in Seventeenth Century: Some Reflections' in S. Bhandare and Sanjay Garg (ed.) *Felicitas: Essays in Numismatics, Epigraphy and History in Honour of Joe Cribb*, Reesha Books International, Mumbai, 2011, pp. 223-38.

Dr. Pum Khan Pau –

- i) 'The Sukte Paramountcy in Northern Chin Hills,' in K. Robin (ed.) *Chin: History, Culture and Identity*, Dominant Publisher, New Delhi, 2009.

Dr. Subhayu Chattopadhyay –

- i) 'Pramatha Nath Bose and Indian Geology,' in C. Palit (ed.) *Bengal Miscellaneous*, B. R. Publishing Corporation, Delhi, 2011-12.

Dr. Sabyasachi Das Gupta –

- i) 'How Colonial Was the Post-Colonial Army?' in Kaushik Roy, Ed., *Warfare and Politics in India: from Ancient to Modern Times*, Manohar, 2011.

Dr. Arpita Sen –

- i) "Glimpses of Social Life in Shillong in the Memoir of a Bengali Brahmo Lady{1885-1922}," in ed. A.K.Thakur, Proceedings of the NEIHA, 31st session, 2010, Shillong, 2011.
- ii) "Health, Homeopathic Medicine and a Brahmo Missionary in the Khasi Hills{1889-1899}," in ed. A.K.Thakur, Proceedings of the NEIHA, 32nd session, 2011, Shillong, 2012.
- iii) "Khasi Society: Through a gendered lens of an Autobiography Atmajibansmriti (1889-1916)," in A.K. Thakur, Proceedings of the NEIHA, 33rd session, Shillong, 2013.

Dr. Atig Ghosh –

- i) "The Mofussil and the Modern: The Discrete Charms of Kangal Harinath"

in Saurabh Dube (ed.), *Modern Makeovers: The Oxford Handbook of Modernity in South Asia*, Oxford university Press, New Delhi, 2011 (ISBN-13: 978-0198074045).

- ii) “El *mofussil* y lo moderno: los indiscretos encantos de Kangal Harinath” in Saurabh Dube and Ishita Banerjee (eds.), *Otras modernidades: historias, culturas, identidades*, El Colegio de México, México D.F. 2011 (ISBN: 978-607-462-300-0).

d) Edited Books:

Prof. Syed Ejaz Hussain –

- i) *Varied Facets: Essays in Honour of Professor Aniruddha Ray* (Edited jointly with Prof. Ishrat Alam), Primus Books, Delhi, 2011.

Dr. Atig Ghosh –

- i) Ghosh, Atig (ed.), *Branding the Migrant: Arguments of Rights, Welfare and Security*, Frontpage, Calcutta 2013 (ISBN: 978-938-104-309-7).

e) Books with ISBN with details of publishers:

Prof. S. Jeyaseela Stephen –

- i) *Oceanscapes of Tamil Textiles in the Early Modern World*, Primus Books, New Delhi, 2013, ISBN-978-93-80607-57-3.
- ii) *The Sky of Indian History: Themes and Thought of Rabindranath Tagore*, UBS Publishers and Distributors, New Delhi, 2010, ISBN 978-81-7476-658-8.
- iii) *The Expanding Portuguese Empire and the Tamil Economy, 16-18th Centuries*, Manohar, Delhi, 2009.

Prof. Bipasha Raha –

- i) *The Pen and the Plough: Agriculture, Peasantry and the Literati in Colonial Bengal* Manohar, Delhi, 2012, ISBN 978-81-7304-941-5.

Prof. Syed Ejaz Hussain –

- i) *Varied Facets: Essays in Honour of Professor Aniruddha Ray* (Edited jointly with Prof. Ishrat Alam), Primus Books, Delhi, 2011.

Sri Arunava Das –

- i) *Sekhawati, The land of Painted Havelis in North Rajasthan, Where Economic Affluence Combined Culture*, ISBN: 978-93-80197-15-9, November 2010, Abhijan Publishers, (in Bengali), Kolkata.
- ii) *Sekhawati, Chitrito Havelir Desh* (in Bengali), ISBN: 978-93-80197-06-7, 2011, Abhijan Publishers, Kolkata.
- iii) *Rangbahari Andaman* (in Bengali), ISBN: 978-93-80197-18-0, 2010, Kolkata, Abhijan Publishers.

Dr. Sabyasachi Das Gupta –

- i) 'Durgadas and Sitaram: Tales of Loyalty in 1857', Sage Publications, 2013.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** Nil
- g) **Citation Index — range / average:** Nil
- h) **SNIP:** Nil
- i) **SIR:** Nil
- j) **Impact Factor — range / average:** Nil
- k) **h-index:** Nil

23. **Details of patents and income generated:** Nil

24. **Areas of consultancy and income generated:** Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

Nationally:**Prof. Sandip Basu Sarbadhikary –**

- a) Visiting Professor, Department of History, Post-graduate Section of Malda College, University of Gourbanga, July, 2010.
- b) Visiting Professor, Department of History, Burdwan University, 2009-10.

Prof. Chhanda Chatterjee –

- a) Delivered lecture titled 'Agriculture, Ecology and Environment in the Punjab' as a Visiting Fellow under the UGC DRS II Programme in the Department of History, Jadavpur University, March 18, 2011.

Prof. Bipasha Raha –

- a) Visiting Professor, Department of History, Burdwan University, August, 2012.
- b) Visiting Professor, Zakir Hussain Centre for Education, Jawaharlal Nehru University, November, 2011.
- c) Visiting Professor, Department of History, Post-graduate Section of Malda College, University of Gourbanga, 2010.

Dr. Subhayu Chattopadhyay –

- a) Visiting Professor, Department of History, Burdwan University, March, 2011.

Dr. Amarendra Kumar –

- a) Availled UGC sponsored 'Associateship' (first spell) at the inter-University Centre for Humanities and Social Sciences of the Indian Institute of Advanced Studies, Shimla, October 1-31, 2011.

- b) Visiting Professor, Department of History, Bhavnagar University, Gujarat, February 6-13, 2012.

Internationally:

Prof. Syed Ejaz Hussain –

- a) Visited Paris from 12-20 September, 2010, on invitation of Foundation Maison des Sciences de l'Homme to collect research material.

Dr. Deepkanta Lahiri Choudhury –

- a) Invited by the Wellcome Trust, U.K., to attend a joint all-India and Wellcome Trust meeting held at Calcutta University on 31 March, 2010, to discuss funding for Indian Universities for teaching and research in the field of medical history.

26. Faculty serving in a) National committees b) International committees, c) Editorial Boards, d) Any other (please specify): None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): None

28. Student projects:

- a) percentage of students who have done in-house projects including interdepartmental projects: 100% (in UG level)
b) percentage of students doing projects in collaboration with other universities / industry / institute: Nil

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Chhanda Chatterjee –

- i) Delivered the Dr. Sunil Sen Memorial Lecture in the Institute of Historical Studies, Kolkata, 2011-12.

Prof. Bipasha Raha –

- i) Visiting Professor, Department of History, Burdwan University, August, 2012.
ii) Visiting Professor, Zakir Hussain Centre for Education, Jawaharlal Nehru University, November, 2011

Prof. Syed Ejaz Hussain –

- i) Delivered the Keynote address on 'Islam and Power: Reflections in Medieval Bengal in Confrontation-Compromise Dictum' at darul islam University, Dhaka on 9 February, 2011 and was honoured and bestowed a special memento.
ii) Nominated and worked as an Expert Member of the Physical Verification Overseeing Committee of the Victoria Memorial Museum, Kolkata in 2008-2009.

- iii) Elected as President for the Medieval History in *Pashchim Banga Itihas Samsad* (West Bengal History Congress) held in Kolkata in January 2009.
- iv) Elected as Sectional President of Medieval Indian History for the 8th Conference of Bihar Itihas Parishad, T.M. Bhagalpur University, Bahgalpur, December 2012.

b) **Doctoral / post doctoral fellows:** Nil

c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Prof. Bhaskarjyoti Basu and Sri Arunava Das –

- a) Acted as Joint Conveners of a International Seminar on 'Peace through Tourism in Historically Changed Cross Borders', 29-30 March, 2010.

Prof. Bipasha Raha and Dr. Subhayu Chattopadhyay –

- a) Acted as Joint Conveners of a National Seminar on 'Under development and development: Challenge and Response', January 15-16, 2011; funded by MAKAIS, Kolkata: ICHR, New-Delhi; Visva-Bharati.

List of Outstanding Participants –

Professor Amiya Bagchi, Director Institute for Development Studies, Kolkata

Professor Sugata Marjit, Director, Centre for Studies in Social Sciences, Kolkata

Professor Deepak Kumar, JNU

Professor Arun Bandyopadhyay, Calcutta University

Professor Sajal Nag, Assam University, Silchar

Prof. Syed Ejaz Hussain –

- a) Organized the National Seminar on "India's Indigenous Medical System: Historical Perspective and Contemporary Relevance" in the Department of History, Visva-Bharati, Santiniketan on 20-21 February 2010 and acted as Joint-Convener.

List of Outstanding Participants –

Professor Deepak Kumar, JNU

Dr. France Bhattacharya, Maison des Sciences de l'Homme, Paris

- b) Acted as Treasurer in organising the 8th Bi-annual International Congress on Bengal Art held in Visva-Bharati, Santiniketan on 9-12 February 2009.
- c) Organized a two-day National Seminar on "Writing Social History: Perspectives and Paradigms, A Dialogue" in the Department of History, Visva-Bharati on 8-9 March, 2008 and acted as the Second Joint-Convener.

31. Code of ethics for research followed by the departments:

As mentioned in the University rules & regulations set by the Academic council and in accordance with the UGC norms.

32. Student profile programme-wise:

| Name of the Programme (refer to question no.4) | Year | Applications received | Selected | | Pass percentage | |
|---|-----------|-----------------------|----------|--------|-----------------|--------|
| | | | Male | Female | Male | Female |
| U.G. | 2010-2011 | NA | 31 | 7 | | |
| | 2011-2012 | NA | 26 | 15 | | |
| | 2012-2013 | NA | 25 | 13 | | |
| | 2013-2014 | NA | 27 | 13 | | |
| P.G. | 2010-2011 | 173 | 15 | 15 | | |
| | 2011-2012 | 137 | 20 | 14 | | |
| | 2012-2013 | 250 | 26 | 17 | | |
| | 2013-2014 | 319 | 30 | 10 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 50% | 45 | 5% | 0 |
| PG | 82.5% | 17.5% | 0 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET- 2 (Koushik Ghosh, Dhananjoy Garai)

SET- 2 (Amrita Mondal, Swarupananda Saha)

35. Student progression:

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | 100% |
| PG to M.Phil. | - |
| PG to Ph.D. | - |
| Ph.D. to Post-Doctoral | - |
| Employed | - |
| <ul style="list-style-type: none"> Campus selection Other than campus recruitment | |

| | |
|---------------|---|
| Entrepreneurs | - |
|---------------|---|

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | 23 |
| from other universities within the State | 38.5 |
| from universities from other States | 38.5 |
| from universities outside the country | --- |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Seminar and Special Assistance Programme Library
- b) **Internet facilities for staff and students:** Internet facilities available for the Staff members.
- c) **Total number of class rooms:** Four class rooms.
- d) **Class rooms with ICT facility:** Nil
- e) **Students' laboratories:** Nil
- f) **Research laboratories:** Nil

39. List of doctoral, post-doctoral students and Research Associates: 26

- a) **from the host institution/university –**
- b) **from other institutions/universities –**

40. Number of post graduate students getting financial assistance from the university: None**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Modification and changes suggested by faculty members are first discussed in Departmental meetings. Threadbare discussions are then held in the Board of Studies meeting in presence of external expert members. It is then forwarded for consideration by members of the Institute Board and the Academic Council.

- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Faculty members meet from time to time in Departmental meetings as well as Board of Studies where external members were present. Here course curriculum as well as teaching and learning evaluation are considered and/or scrutinized for possible improvement. Pre-Ph.D. seminars are conducted in presence of external expert members where, suggestions made by members are incorporated by the students. Performance of students in examinations conducted at the state and national level are also discussed.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Students' representatives are invited in every Institute Board as well as Academic Council meetings which is the highest body responsible for all academic activities of this university.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** No
- 43. List the distinguished alumni of the department (maximum 10):**
- Subho Basu, Professor of History, Syracuse University, USA
 - Shyam Teckwani, renowned journalist, Chennai
 - Souvik Mukhopadhyay, University of Calcutta
 - Bhaskar Chatterjee, IAS, formerly Chief Secretary, Government of Hariyana
 - Sukumar Sarkar, formerly Director-General, National Archives of India, New Delhi.
 - Lakshmi Subramanian, Professor, Centre for Studies in Social Sciences, Kolkata
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
- Power-point presentation, Audio-visual interactive sessions, Student-Teacher interactive sessions, Tutorials, Lectures.
- Annual Lectures:
- Prof. Gautam Bhadra, Centre for Studies in Social Sciences, Kolkata
 - Prof. U.N. Singh, Rabindra Bhavana, Visva-Bharati
 - Dr. Biswajit Ray, Visva-Bharati
 - Prof. Shireen Masood, University of Calcutta
 - Prof. Bina Alase, formerly of Visva-Bharati
 - Dr. Subhashish Biswas, Jadavpur University
 - Prof. Mahua Sarkar, Jadavpur University
- 45. List the teaching methods adopted by the faculty for different programmes:**
- Power-point presentation, Student-Teacher interactive sessions, Tutorials, Lectures.

- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
Monitored through Students' performance in regular assessment exercises as well as in the examinations.
- 47. Highlight the participation of students and faculty in extension activities:**
Annual study tour and outings are conducted.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- Lecture on Camera for Television Programme on Higher Education Channel of the UGC on “Sufism in the Mughal Period” on 10.5.2009 by Prof. Syed Ejaz Hussain.
 - Lecture on Camera for Television Programme on Higher Education Channel of the UGC on “Sant Tradition during the Mughal Period” on 11.5.2009 by Prof. Syed Ejaz Hussain.
 - Seminars are held and distinguished academicians are invited to the department to interact with the students.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
The UGC has awarded SAP-DRS Programme to the Department.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
Department is contributing by including recent research fields in the curriculum. It has introduced semester system in both the UG and PG courses. It is also updating syllabus as per UGC guidelines from time to time for generating new knowledge in new domains of research. Department also organizes Seminars, Conferences in new emerging fields and related disciplines in order to introduce and generate new knowledge.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
- Strengths:**
 - Faculties have expertise in various fields of research.
 - Faculties are well-equipped in their fields of specialization as well as publication of research articles in international/national journals of repute.
 - Considerable number of students enroll for research each year.
 - Many students have been placed in different schools having qualified in the school service commission examination, Organization of national seminars/conferences every year at regular intervals helps develop knowledge of students and faculties.

- v) Department has been under the support of SAP-DRS over the last ten years.

b) Weaknesses:

- i) Infrastructural inadequacy.
- ii) Malfunction of the Departmental library in the absence of any library assistant.
- iii) Very few students opt for full-time research work.
- iv) No in-house placement for the students.
- v) Internet facility for a limited period only on working days.

c) Opportunities:

- i) Consistent healthy working environment and cooperation among the faculty members.
- ii) Students have the scope to work for Ph. D. Programmes after completion of PG course.
- iii) Syllabi catering to global standards are implemented and practiced.
- iv) Ample scope for special lectures/ interactive sessions from distinguished experts of various fields from other universities/institutes.
- v) The natural environment of Santiniketan inculcates and enthuses the young minds and disciplines them with moral virtues to become responsible citizens with compassionate hearts.

d) Challenges:

- i) To make the tutorial system more effective and improve the communicating skills of the students, especially in English.
- ii) To motivate more students to engage in research activities.
- iii) Research needs to be more productive.
- iv) To motivate the doctoral students to opt for their postdoctoral studies.

52. Future plans of the department:

- a) Extension of the existing class rooms for UG, PG, Ph. D etc. courses, together with the appropriate enhancement of the faculty strength.
- b) Up-gradation of the existing library facilities (e.g., Departmental library) for students, research scholars as well as for faculties with round-the-clock internet facility.
- c) Explore possibility of exchange programmes/ collaborative projects with other universities/institutes in India/ foreign countries, thereby creating visiting fellowships for research scholars and visiting professorship for faculties.
- d) A seminar hall needs to be developed with modern facilities to organize properly seminar/ conference/workshop etc.

Evaluative Report of the Department of Bengali

1. **Name of the Department :** Department of Bengali
2. **Year of establishment :** 1951
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D., D.Litt., Foreign Casual Course, Certificate Course, Diploma Course.
5. **Interdisciplinary programmes and departments involved :**
Undergraduate subsidiary courses involving various departments of Vidya-Bhavana and Bhasha-Bhavana.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Faculty Members of the Department are engaged in teaching courses in collaboration with other Universities such as UG, PG, PhD & MPhil Course Work, Refresher & Orientation Course, Distant Education Teaching (PG) and UGC NET Teaching.
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester System and Choice Based Credit System
9. **Participation of the department in the courses offered by other departments :**
 - a) Tagore Studies offered by Rabindra Bhavana of Visva-Bharati.
 - b) Manuscriptology (Certificate Course) offered by Rabindra Bhavana of Visva-Bharati.
 - c) Certificate & Diploma Courses in Indian Languages offered by other Language Departments of Visva-Bharati.
 - d) Certificate Courses in Music, Rabindra Sangit, Instruments offered by Sangit Bhavana of Visva-Bharati.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|-----------|------------|--------|------------------------------|
| Professor | 2 | 1 | 8 |

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Associate Professors | 5 | 4 | 5 |
| Asst. Professors | 12 | 12 | 4 |
| Others | | | 2(Guest Teacher) |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Alpana Roy
 Qualification : M.A., B.Mus., Ph.D
 Designation : Professor (Retd. on 31/10/13)
 Specialization : Tagore Literature, Interdisciplinary study of Literature and other Arts
 No. of Years of Experience : 37
 No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- b) Name : Alibha Dakshi
 Qualification : M.A., Ph.D
 Designation : Professor
 Specialization : Linguistics
 No. of Years of Experience : 35
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) Name : Mrinal Kanti Mondal
 Qualification : M.A., Ph.D
 Designation : Professor
 Specialization : Modern Bengali Fiction
 No. of Years of Experience : 18
 No. of Ph.D./M.Phil. students guided for the last 4 years : 09

- d) **Name** : Sudip Basu
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Bengali Literary Criticism, Saratchandra, 20th Century Bengali Literature & Culture
No. of Years of Experience : 20½
No. of Ph.D./M.Phil. students guided for the last 4 years : 14
- e) **Name** : Amal Kumar Pal
Qualification : M.A., B.Ed., Ph.D
Designation : Professor
Specialization : Bengali Poetry
No. of Years of Experience : 27
No. of Ph.D./M.Phil. students guided for the last 4 years : 12
- f) **Name** : Sumita Bhattacharyya
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Nineteenth Century, Bankim Chandra, Modern Bengali Literature
No. of Years of Experience : 25
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- g) **Name** : Abhra Bose
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Linguistics, Tagore Literature,
No. of Years of Experience : 17 ½
No. of Ph.D./M.Phil. students guided for the last 4 years : 13
- h) **Name** : Aparna Roy
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Old and Mediaeval Literature with special interest in Women's studies
No. of Years of Experience : 19
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 08
- i) **Name** : Nirmal Kumar Mandal
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Old and Mediaeval Literature
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- j) **Name** : Manabendra Nath Saha
Qualification : M.A., M.Phil, Ph.D
Designation : Associate Professor
Specialization : Modern Bengali Poetry
No. of Years of Experience : 16+
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- k) **Name** : Rita Modak
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Bengali Fiction
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- l) **Name** : Atanu Sasmal
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Modern Bengali Fiction, Medieval Bengali Literature
No. of Years of Experience : 26
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- m) **Name** : Manabendra Mukhopadhyay
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Modern Bengali Literature with special interest in Tagore Studies
No. of Years of Experience : 14

- No. of Ph.D./M.Phil. students guided for the last 4 years : 08**
- n) **Name** : Biswajit Ray
Qualification : M.A., Ph.D
Designation : Assistant Professor-II
Specialization : Linguistics, Nineteenth Century
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- o) **Name** : Milankanti Biswas
Qualification : M.A., B.Ed., Ph.D
Designation : Assistant Professor-II
Specialization : Folklore
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- p) **Name** : Shreela Basu
Qualification : M.A., B.Ed., Ph.D
Designation : Assistant Professor-II
Specialization : Tagore Literature
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- q) **Name** : Payel Mukherjee
Qualification : M.A.
Designation : Assistant Professor-I
Specialization : Semiotics, Dramatology
No. of Years of Experience : 3 years and 10 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
List of Visiting Professors:
a) Prof. Pabitra Sarkar (Former Vice-Chancellor of Rabindra Bharati University)
b) Prof. Soumitra Basu
c) Prof. Rabindranath Pal
d) Prof. Satyabati Giri

13. Percentage of classes taken by temporary faculty — programme-wise :

- a) UG : 10%
- b) PG : 10%

14. Programme-wise Student Teacher Ratio :

- a) UG Honours : 1 : 7
- b) UG General/Subsidiary: 1 : 50
- c) PG: 1 : 5

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative | 02 | 02 | 02 |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

A Major Research Project on making Dictionary on mediaeval Bengali Literature(14th to 18th century) yet to be submitted to the UGC for funding.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants

- a) National collaboration: Nil
- b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- a) state recognition : Nil
- b) national recognition: Nil
- c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

- a) **Number of papers published in peer reviewed journals (national /international):**

Alpana Roy - 01
 Alibha Dakshi - 04
 Mrinal Kanti Mondal – 05

Sudip Basu – 10
 Amal Kumar Pal – 06
 Sumita Bhattacharyya – 08
 Abhra Bose - 19
 Aparna Roy – 10
 Nirmal Kumar Mandal – 03
 Manabendra Nath Saha – 09
 Rita Modak – 04
 Atanu Sasmal – 04
 Manabendra Mukhopadhyay – 20
 Biswajit Ray – 20
 Milankanti Biswas – 10
 Shreela Basu – 11

b) Monographs: Nil

c) Chapters in Books:

Alibha Dakshi –

- i) Bengali Translation of Preface, “A Grammar of the Bengal Language” by Nathaniel Brassey Halhed, (*Haledar Bangla Vyakaran*), Edited by Amitrasudan Bhattacharya and Nikhilesh Chakraborty, Vijayayan, Kolkata, 2009, pp. 29-44.

Mrinal Kanti Mondal –

- i) ‘Kobir Kalome Galper Godyo : Ek Pathoker chokhe Buddhadeb Basur Galpo’, Buddhadeb Basu : Kal Theke Kalantare, Edited by Bela Das, Punascha, January 2010, ISBN: 978-81-7332-592-2.
- ii) ‘Bangla Upanyase Nimnaborger Manush : ‘Hansuli Banker Upakotha’ Ebong ‘Dhorain Choritmanas’ pather Bhumika’, Bangla Kathasahitye Abohelito Charitra, Edited by Narendranath Das, Boiwala, August 2011.
- iii) ‘Robindranather Sikshadorsho: Santiniketan-Sriniketan Prothisthar Aloke, Sardhashatabarshe Rabindranath, Edited by Bela Das, Ekush Shatak, January 2012, ISBN: 978-81-910832-9-3.
- iv) ‘Kobi’ Upanyas: Protibadi Swar, Protibader Upanyas, Edited by Debabrata Biswas, Banglar Mukh Prokason, November, 2012, ISBN: 987-81-921186-7-3.

Sudip Basu –

- i) ‘Ganasiksha O Ek Nabin Sanyasi’ published in ‘Swami Vivekananda Kale Kalottore’, Ed. Biplab Chakraborty, Pustak Bipani, 2014.
- ii) ‘Sahitya Samalochok Rabindranath’ published in ‘Rabindrabiksha’, Ed. by Barun Kumar Chakraborty, Parul Prakashani, Kol., 2012.

Amal Kumar Pal –

- i) 'Banglay Sanskrit Chhanda Probartan : Prayas, Samasya O Sambhabana' published in 'Bangla Bhasha O Sahitya : Tulanamulak Samiksha', Ed. by Biswanath Roy, Sanat Kumar Naskar and Chhanda Roy, Calcutta University, 2010.
- ii) 'Sanskrita Chhanda O Rabindranath' published in 'Rabir Aloy', Ed. Jayanti Saha, Bharati Press, Kolkata, 2011, ISBN: 8187273790.

Sumita Bhattacharyya –

- i) 'Naripremer Bhinna Rup : Bani Rayer Uponayse' published in 'Paribartanshil Samaj, Sanskriti O Manusher Upor Tar Prabhab', Ed. By Khokankumar Bag, Rupasi Bangla, Kolkata-6, May 2012, ISBN: 978-81-909878-9-9.

Abhra Bose –

- i) 'Rabindranath O Aajker Prajonmer Bangla Bhasha' published in 'Rabindranath Thakur O Ekush Shataker Bangali : Janmashatabarsha Shradhhanjali', Edited by Sumita Chakraborty, Published by Burdwan University, May 2011, ISBN: 81-87259-79-5.

Aparna Roy –

- i) 'Kavi Binodini in the perspective Contemporary Women Writings', Itihas Anusandhan, Jan 2014, Vo-XXVIII, ISBN: 978-81-910874-4-4, p. 493.
- ii) 'Kavi Binodini in her Sequecentenary', Autumn Annual, from Presidency University Journal, 20 Jan 2014, p. 10.
- iii) 'The Conception of femininity in Charya-Song', 'Dashdish', March 2013, p. 251.
- iv) 'Ramachandra and Marital Relationship in Krittibas Ramayana' in 'Aranika', Published from Kumilla, Bangladesh, April 2013.
- v) 'Some opinion on poetry of Binodini' published in 'Sahityachinta', August 2013, p. 5.
- vi) 'Conception of Devi Durga in Shakta Sangit' in 'Namastasyay', October 2013.
- vii) 'Women's Self-enlighment in Eastern Bengali Ballads' published in 'Itihas Anusandhan', Vol-XXVI, January 2012, p. 971, ISBN: 978-81-910874-2-0.
- viii) 'Last Interview of Shyamali Khastogir' published in 'School of Women's Studies, Jadavpur University', January 2012, p. 61.
- ix) 'Prose of Nirendranath Chakraborty' published in 'Namastasyay', December 2012, p.90.

- x) “Biography of Bengali Women in 16th Century Bengal: ‘Sitagunakadamba’ and ‘Sitacharitra’”, January 2011, p. 781.
- xi) “Comparative study between Assamese and Bengali Ramayan, named Ramayana of Madhav Kandali and Krittibas: Some Question Reconsidered” published in ‘Dashdishi’, 2011, p.168.
- xii) “The Organisational role of Women in the movement of Vaishnavism in 16th & 17th Century” published in ‘Itihas Anusandhan’, Vol.XXIV, Annual Conference Proceedings of Paschimbanga Itihas Samsad, January 2010, p. 293.
- xiii) “Reading of Women’s Life in the Context of 18th Century Bengali Literature” published in ‘Itihas Anusandhan’, Vol.XXIII, January 2009, p. 726.

Manabendra Nath Saha –

- i) ‘Bangalir Chalochitro Charchar Itihas’ published in ‘Bharatiya Sangbadikatar Itihas’, Ed. by Sabyasachi Chattopadhyay, Rupasi Bangla, Kolkata, 2009, ISBN: 9788190999045.
- ii) ‘Chalochitre Rabindra Sangeet’ published in ‘Aaguner Parashmani’, Ed. by Amit Das, Ekush Shatak, 2013, ISBN: 9788191083217.
- iii) ‘Murshidabade Chalochitro : Chalochitre Murshidabad’ published in ‘Murshidabad Anusandhan’, Ed. by Arindam Roy, Murshidabad Itihas Samsad, Murshidabad, 2012.

Manabendra Mukhopadhyay –

- i) ‘Lalsalu: Nirabatar Shabdo’ published in ‘Lalsalu: Nana Prasange’, Ed. By Rabin Pal, Ebong Musheyera, April, 2010.
- ii) ‘Kathasahitye Uttaradhunikata’ published in ‘Sahitya-kosh : Kathasahitya’, Ed. By Alok Roy, Sahityalok, Sept. 2010, ISBN: 81-86946-81-0.
- iii) ‘Gadya-prastabe Rabindranath: Chintasutra O Chintanshaili’ published in ‘Rabindranath Thakur O Ekush Sataker Bengali, Ed. By Sumita Chakraborty, Published from Burdwan University, May 2011, ISBN: 81-87259-79-5.
- iv) ‘Dainandiner Nandanikata’ published in ‘Anno Rabindranath Nana Rabindranath’, Ed. By Barun Kumar Chakraborty, May 2011, ISBN: 81-85471-106-1.
- v) ‘Samayer Chinta, Pratishthanikata O ‘Santiniketan’ Patrika’ published in ‘Rabir Aloy’, Ed. By Jayanti Saha, May 2011, ISBN: 81-87273-79-0.
- vi) “Atmabhoj’-er Kobita: Komol Rishava Ashavari” published in ‘Korok’, Ed. by Sunanda Adhikary, January 2014.

Biswajit Ray –

English

- i) The Bengali Language: A Colonial Renaissance, pp. (Renaissance Reborn, Sukanta Chaudhuri edited, Chronicle Books, New Delhi, 2010, ISBN: 81-8028-038-1)
- ii) Tagore's Search for a New Rhetoric of Anti-nation Humanity, Swati Ganguly Abhijit Sen ed., pp. 191-204, (Rabindranath Tagore and the Nation/Essays in Politics Society and Culture, Punascha, Kolkata, 2011, ISBN: 978-81-7332-482-6).
- iii) The Project of Tagore, pp. 45-52, (Rabindranath Tagore A Commemorative Volume, Edited by Uday Narayana Singh, Public Diplomacy Division, Ministry of External Affairs, Government of India, 2011).
- iv) Contemporizing Tagore and the World, Ed. By Imtiaz Ahamed, Muchkund Dube, Veena Sikri, pp. 201-210, University Press Ltd., Dhaka, 2013, ISBN: 978-984-506-1209.

Bengali

- i) Uddipana, Ojoswita O Tarpor, pp. 123-134, (Rabindranath Vakpati Visvamanya 2, Edited by Sudhir Chakroborty, Institute of Development Studies, Kolkata, 2011).
- ii) Achalayatan Theke Sachalayatan, pp. 113-123, (Rabi-Eshona, A Publication of Behala College, Parnashree, Kolkata, Supported and Funded by UGC).

Milankanti Biswas –

- i) 'Harichand Thakur O Janajagaran' published in 'Thakur Srisri Harichand Manab Purush: Adhyatma Purush', Ed. Santosh Kumar Barui, Nov. 2011.
- ii) 'Saibal Mittr Golpe Hinsha O Santrash' published in 'Violence and its Representation', Ed. Dr. Himadri Lahiri and Udaychand Das, UGC Academic Staff College, Burdwan University, August 2012, ISBN: 978-93-80663-64-7.
- iii) 'Rabindra Bhavnay Santiniketan Ashram Vidyalayer Siksha Babyastha' published in 'Sardhashataborshe Rabindra Smaran', Ed. Dr. Anup Kumar Sikdar, Ramsaday Dutta College, August 2012.

Shreela Basu –

- i) 'Madhyayuger Banglay Shikarbritti: Sahitye O Mandir Bhaskarje' published in 'Itihas Anusandhan', Vol.XXVII, published by Itihas Samsad, January 2013, ISBN: 978-81-91874-3-7.

- ii) 'Rabindranather Pratyashito Pathak: Prapti O Abhiman', published in 'Tagore and communication: From Page to Stage', Edited by Arnab Banerjee, Thakurpukur College, 2013, ISBN: 978-93-41669-21-1.
- iii) 'Banglar Mandir Bhaskarje Nari' published in 'Itihas Anusandhan', Vol. XXVIII, January 2014, ISBN: 978-81-910874-4-4.

d) Edited Books:

Sudip Basu –

- i) "Ramananda Chattopadhyer 'Prabasi': Itihaser Dhara : Vividha Prasanga' O Sangslistha Rachana Sangkalan" (First Vol. and Second Vol), jointly ed. with Sankari Prasad Basu, Paschimbanga Bangla Academy, Kolkata, 2009.
- ii) "'Bangala Kobita Bishayak Probondho' (1852) Rangelal Bandyopadhyay", Bangiya Sahitya Parishad, Kolkata, 2009.
- iii) "Ramananda Chattopadhyer 'Prabasi': Itihaser Dhara: Vividha Prasanga' O Sangslistha Rachana Sangkalan" (Third Vol), jointly ed. with Sankari Prasad Basu, Paschimbanga Bangla Academy, Kolkata, 2010.

Amal Kumar Pal –

- i) "Nishikanta Roychoudhirir 'Tukri'", Saptarshi Prakashan, Kolkata-9, January 2010.
- ii) 'Balok', (jointly Edited) Dey's Publishing, Kolkata, 2010, ISBN: 9788129510709.
- iii) 'Chotoder Dhanda', Dey's Publishing, Kolkata, 2010, ISBN: 9788129510495.
- iv) 'Rabindranath O Visva-Bharati', Visva-Bharati Alumni Association, Santiniketan, 2011.
- v) 'Probondho Sangraha: Ashokbijay Raha', Visva-Bharati Granthan Vibhaga, Kol-17, 2013, ISBN: 9788175225695.

Manabendra Nath Saha –

- i) 'Biharilaler Saradamangal', Bama Pustakalaya, 2009.

Rita Modak –

- i) 'Bish shataker probondho charja 1901-1947', Bangiya Sahitya Samsad, Poush 1420 Bangabda.

Atanu Sasmal –

- i) 'Sesher Kobitar Kobita Pandulipi', Ed. Atanu Sasmal, Saptarshi Prakashan, May, 2012, ISBN: 9789381180938.

Biswajit Ray –

- i) Swami Vivekananda Bangla Rachana Sangkalan, Paschimbanga Bangla Academy, 2013, ISBN: 978-81-7751-221-2.

e) Books with ISBN with details of publishers:**Alpana Roy –**

- i) ‘Atharo Niye Unishe: Unish Shatakiyo Bangla Sahityer Shikad Sandhan’, Bharbi, Kolkata-73.

Alibha Dakshi –

- i) ‘Caryagiti Bhasha O Shabdakosh’, Sanskrit Pustak Bhandar, Kolkata-6, 2011.
- ii) ‘Bangla Bhashabijnan Abhidhan’, Sanskrit Pustak Bhandar, Kolkata-6, First Ed. 2003, Second Ed. 2013.

Sudip Basu –

- i) “Bangla Sahitye Samalochonar Dhara”, (Second Ed.), Bangiya Sahitya Samsad, Kolkata, Book Fair 2010.

Amal Kumar Pal –

- i) ‘Miler Manchitra: Rabindra-Kobita’, Saptarshi Prakashan, Kolkata-9, 2009.
- ii) ‘Bangla Kobitar Chhanda’, (2nd Ed.), Lalmati, Kolkata-73, 2011, ISBN: 978-93-81174-51-7.
- iii) ‘Kobitar Nanakatha’, Parampara, Kol-09, 2012, ISBN: 978-93-80869-94-0.
- iv) ‘Kathar Arale Katha’, Lalmati, Kolkata-73, 2013, ISBN: 978-93-81174-84-5.
- v) ‘Mithur Moner Katha’, (New Ed.), Dey’s Publishing, Kol-73, 2012, ISBN: 9789381687260.

Nirmal Kumar Mandal –

- i) ‘Dharmamangal Kavya O Radher Lokojiban’, Boikarigar, 2013.

Atanu Sasmal –

- i) ‘Rabindranathke Nie’, Saptarshi Prakashan, First Ed. February 2013, ISBN: 9789382706137.

Manabendra Mukhopadhyay –

- i) Gosthi Jiboner Upanyas, Bangiya Sahitya Samsad, 2009, ISBN: 81-89827-06-5.
- ii) Upanyaser Jatkinchit, Bangiya Sahitya Samsad, 2010, ISBN: 978-81-89827-29-8.

Biswajit Ray –

- i) Yato Beshi Jane Tato Beshi Mane (2010), Dey’s Publishing, Kolkata, ISBN: 978-81-295-1028-0.
- ii) Professor Shankur Sesh Diary (A Short History of Bengali Science Fiction), 2013, Lalmati, Kolkata, ISBN: 978-93-81174-81-4.

- iii) Dakgharer Galpo, (Tagore's Dakghar for Young Readers), 2013, Saptarshi, Kolkata, ISBN: 978-93-827-0655-7.

Milankanti Biswas –

- i) 'Prasanga: Lokosanskriti', Bangiya Sahitya Samsad, Kolkata Book Fair 2014, ISBN: 987-93-83590-06-3.

Shreela Basu –

- i) 'Parichay Patrika O Kayekjon', Papyrus, 2011, ISBN: 978-81-908-360-3-6.
- f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): Not applicable
- g) Citation Index — range / average: Not applicable.
- h) SNIP: Not applicable.
- i) SIR: Not applicable.
- j) Impact Factor — range / average: Not applicable.
- k) h-index: Not applicable.

23. Details of patents and income generated: Not applicable

24. Areas of consultancy and income generated:

Bengali Operating System (OS) developed by Microsoft Corporation was a fruit of professional consultancy by the two Faculty Members of the Department (2005). Income generated was Rs 1, 00,000/- (Rs. One Lakh only) submitted to Visva-Bharati by Microsoft Corporation.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- a) Dr. Aparna Roy, Dr. Manabendra Mukhopadhyay and Dr. Biswajit Ray visited Bangladesh to present paper in 2nd International Congress for Bengal Studies in Dhaka, held on 16th to 20th December 2011.
- b) Prof. Alpana Roy delivered lecture-demonstration titled "Rabindra-nataker Gan" (Songs in Tagore plays: variety of uses), at the International Festival 'Rabir Aloy Surer Dhara', 150th Birth Anniversary Celebrations of Tagore organized by Surer Dhara, Visva Maitri Bhavana, Dhaka, Bangladesh, 30 December 2011.
- c) Prof. Alpana Roy delivered lecture entitled "Rabindranather Gan: Kavitar Sange Dvandva-Milan" (Tagore's Songs: Intertextuality with Poetry), International Seminar 'Rabir Aloy Surer Dhara', 150th Birth Anniversary

Celebrations of Tagore organized by Surer Dhara, Visva Maitri Bhavana, Dhaka, Bangladesh, 30 December 2011.

- d) Dr. Rita Modak visited Bangladesh to present paper in an International Conference convened by Itihas Akademi Bangladesh, Dhaka on 17th February 2012.

26. Faculty serving in

a) National committees:

- i) Professor Alpana Roy —
Member Advisory Board: Bengali, Saraswati Samman, K.K. Birla Foundation, New Delhi, since 2009.
Member Advisory Committee, Sangit Natak Academy, New Delhi, since 2009.
- ii) Professor Sudip Basu —
Member of the Academic Committee of Asiatic Society, Kolkata.
Consultant and Expert of the New Linguistic Survey of India Project (Govt. of India) under Central Institute of Indian Languages, Mysore.

b) International committees: Nil

c) Editorial Boards: Nil

d) Any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

a) Refresher Course : 02

- i) 'Medieval Bengali Literature through Modern Views', 2003.
- ii) 'Literature & Other Art', 2007.

b) Workshops :

- i) Workshop on Bengali Spelling: 01 ('Problems in Bengali Spelling & Probable Solutions', 13-14 September 2011).

c) Training Programs: Nil

d) Short Term Programme: Nil

28. Student projects:

a) percentage of students who have done in-house projects including interdepartmental projects:

- i) PG Students of the Department do in-house Projects (100%).
- ii) PhD Students of the Department participated in 21 days National Workshop in Manuscriptology jointly organised by the Department of Odiya, Visva-Bharati, & National Manuscript Mission, New Delhi, dated 21.01.2013—10.02.2013 (10%).
- iii) PhD Students of the Department participated in the Workshop organised by

the Asiatic Society, Vidyasagar University, Kalyani University, Jadavpur University etc (08%).

- iv) PhD Students of the Department presently taking part in the Certificate Course in Manuscriptology organised by the Department of Sanskrit, Visva-Bharati, dated October 2013 – March 2014 (10%).

b) percentage of students doing projects in collaboration with other universities / industry / institute: Not applicable

29. Awards / recognitions received at the national and international level by

a) Faculty: 02

Sudip Basu –

- i) “Sarba-Bhasha Sahityakar Samman” by Akhil Bharatiya Sahitya Parishad, New Delhi, at Bhopal (Madhya Pradesh) on 19th October 2012.

Milankanti Biswas –

- i) Adwaita Mallabarman, Shmarak Samman, 2013, Organized by Adwaita Mallabarman Educational Cultural Society and Uttarbanga Nattyagosthi in collaboration.

b) Doctoral / post doctoral fellows: Nil

c) Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Two days workshop on the title *Problems in Bengali Spelling and Probable Solutions* September 13-14th 2011. Distinguished Resource Persons were Prof. Uday Kumar Chakraborty (J.U.), Prof. Amitabha Das (B.U.), Sri Ashok Mukhopadhyay (Lexicographer), Sri Subhamoy Mondal (Representative from Bangla Academy, Kolkata), Sri Utpal Kumar Jha (Representative from Bangla Academy, Kolkata).
- b) National Seminar on the topic *Rabindranath O Anyo Bhashar Sahitya* on February 16, 2012. Distinguished Resource Persons were Dr. Martin Kampchen, Dr. Josepas Rodriguese, Prof. Rambahal Tiwary, Prof. Harish Chandra Mishra, Prof. Sabita Pradhan et.al

31. Code of ethics for research followed by the departments:

Yes, as per University Ph.D rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| U.G. | | 34 | 46 | 94% | 86.95% |
| P.G. | 1092 | 35 | 51 | 100% | 100% |
| Ph.D | 185 | 18 | 13 | N/A | N/A |
| Certificate Course | 01 | 01 | | 100% | |
| Diploma Course | | | | | |
| Foreign Casual Course | 05 | 03 | 02 | 100% | 100% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| U.G. | 50% | N/A | N/A | 1.3% |
| P.G. | 73.7% | 24% | | 2.3% |
| Ph.D | 38.7% | 58% | | 3.3% |
| Certificate Course | | | | 100% |
| Diploma Course | | | | |
| Foreign Casual Course | | | | 100% |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET with JRF: 12 (SC: 05,ST: Nil,OBC: 03, GEN: 04)
- NET: 20 (SC: 03,ST: Nil,OBC: 02, GEN: 15)
- RET: 18 (SC: 02,ST: Nil,OBC: 04, GEN: 12)

35. Student progression:

| Student progression | Percentage against enrolled |
|------------------------|-----------------------------|
| UG to PG | 90% |
| PG to M.Phil. | N/A |
| PG to Ph.D. | 11% |
| Ph.D. to Post-Doctoral | Nil |
| Employed | |
| • Campus selection | N/A |

| | |
|---------------------------------|-----|
| • Other than campus recruitment | 70% |
| Entrepreneurs | N/A |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | 29.5% |
| from other universities within the State | 64.5% |
| from universities from other States | 6% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | 01 |
| Ph.D. | 16 |

38. Present details of departmental infrastructural facilities with regard to

- Library:** Total no of books in departmental seminal library: 4,973 books with digital catalogue.
- Internet facilities for staff and students:** Yes, with Wi-Fi and LAN connectivity.
- Total number of class rooms:** 09
- Class rooms with ICT facility:**
- Students' laboratories:** N/A
- Research laboratories:** N/A

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university: 52
- from other institutions/ universities : 26

40. Number of post graduate students getting financial assistance from the university: 12**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Experts are invited to develop Departmental Curriculum activities.

42. Does the department obtain feedback from

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, changing syllabus
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Yes, by restructuring the teaching methods.

- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Department utilizes feedback from the Alumni and Employers of the University as and when require.

43. List the distinguished alumni of the department (maximum 10):

Administrative service:

- a) Srinwanti Pal, IAS

Academic service:

- b) Biswanath Roy, Professor, C.U.
c) Subodh Jash, Professor, N.B.U.
d) Anindita Bandyopadhyay, Associate Professor, B.U.
e) Sabitri Nanda Chakraborty, Professor, K.U.
f) Jyotsna Chattopadhyay, Associate Professor, R.B.U.

Performing Art:

- g) Vikram Singh Khangura
h) Indira Bandyopadhyay

Creative Writing:

- i) Ashim Chattaraj, Creative Writing
j) Dr. Manoranjan Bandyopadhyay

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Two days workshop on the title *Problems in Bengali Spelling and Probable Solutions* September 13-14th 2011. Distinguished Resource Persons were Prof. Uday Kumar Chakraborty (J.U.), Prof. Amitabha Das (B.U.), Sri Ashok Mukhopadhyay (Lexicographer), Sri Subhamoy Mondal (Representative from Bangla Academy, Kolkata), Sri Utpal Kumar Jha (Representative from Bangla Academy, Kolkata).
- b) National Seminar on the topic *Rabindranath O Anyo Bhashar Sahitya* on February 16, 2012. Distinguished Resource Persons were Dr. Martin Kampchen, Dr. Josepas Rodriguese, Prof. Rambahal Tiwary, Prof. Harish Chandra Mishra, Prof. Sabita Pradhan et.al
- c) Mr. Pradip Kr. Mitra (Addl. Director General, Akashvani/ All India Radio) delivered lecture on the title *Akashvanite Rabindranath* on Aug. 12, 2011
- d) Prof. Harishchandra Mishra delivered lecture on *Sampratik Hindi Kabita* in Inter-disciplinary lecture series on Aug. 13, 2011
- e) Tagore expert, President of All China Translation Association, Prof. Bai Kaiyunan interacted with students and teachers of the Bengali Dept. on the topic *China and Rabindranath: Cultural Exchange* on Aug. 14, 2011
- f) Dr. S.N. Ojha delivered lecture-with-demonstration on *Computation in the Study*

of Language in Interdisciplinary series of lectures on Sept. 3, 2011

- g) Two-day workshop was organized on the title *Problems in Bengali Spelling and Probable Solutions* on Sept. 13-14, 2011
- h) Prof. Rabindranath Pal delivered lecture on *Spanish Sahitya o Rabindranath* jointly convened by Bengali Dept. and Study Circle, Visva-Bharati on Nov. 21, 2011
- i) Prof. Arunkumar Basu delivered lecture on *Rathindranath Smritibaktrita* on Nov. 27, 2011
- j) National seminar on the topic *Rabindranath O Anyo Bhashar Sahitya* was organized on Feb. 16, 2012
- k) Prof. Arunkumar Basu delivered “Nripendrachandra Smarak Baktrita” on the title *Maramiya kabita o Rabindranath* on March 13, 2012
- l) Sri Sushobhan Adhikary delivered Rathindranath Tagore Memorial lecture on “Shilpi Rathindranath” on Nov. 27, 2012, birth day of Rathindranath.
- m) Prof. Amitrasudan Bhattacharya delivered “Nripendrachandra Smarak Baktrita” organized by Bengali Dept. on behalf of Visva-Bharati titled *Bankimchandra O Rabindranath* on March 04, 2013

45. List the teaching methods adopted by the faculty for different programmes:

- a) Lecture Method
- b) Audio-visual Method
- c) Interactive Method
- d) Field Work
- e) Student Seminar and Group Discussion

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Departmental Faculty Members take continuous feedback from the students both written and verbally.

47. Highlight the participation of students and faculty in extension activities:

- a) Reunion of present students and alumni
- b) Educational tour
- c) Post-graduate student delegated in cultural exchange programme with China in China, 2012

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Five faculty members acted as Resource Person in various UGC sponsored Refresher Courses.
- b) All the faculty members have delivered lectures and presented papers in various academic institutions.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Exploring new knowledge in various fields in Bengali language and literature of all ages with special emphasis on Tagore Studies, Narrative Literature, Folkloristics, Linguistics, Inter-disciplinary studies including music, film, art and architecture, social history, translation studies, philosophy etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) **Strengths** :

- i) Digital catalogue of the departmental seminar library.
- ii) Inter-disciplinary research work by the faculty members and scholars.
- iii) Good interactive relations between students and teachers beyond class hours.
- iv) Audio-visual apparatus used in teaching-learning process, wi-fi connection is available in the Department
- v) International students in U.G., P.G., Ph.D and various language courses.

b) **Weaknesses:**

- i) Acute space problem.
- ii) No canteen in department.
- iii) No librarian for the departmental seminar library.
- iv) No language laboratory.
- v) No common room for teachers and students.

c) **Opportunities:**

- i) Interdisciplinary interaction with various Departments of the University
- ii) Utilization of available resources in the Manuscriptorium of Visva-Bharati and the archives of Rabindra-Bhavana
- iii) Exploring the rich cultural heritage of Santiniketan
- iv) Exploring the rich literary heritage of Birbhum including Santiniketan
- v) Exploring the lingual heritage of Birbhum with extensive field work

d) **Challenges (SWOC) of the Department:**

- i) The Department has to deal with students from backward rural areas, many of the students being first generation learners
- ii) Students of financial backward family do not get hostel facility
- iii) Apart from the Seminar Library, Central Library and the Rabindra-Bhavana

Library, no other well-equipped library is available in the vicinity; the faculty members and the student have to go to Kolkata regularly for library work

- iv) No coaching system for UGC NET Exam.
- v) No coaching system for various competitive exam. for proper placement

52. Future plans of the department:

- a) The Department is preparing for SAP in near future.
- b) The Department is planning to set up a Tagore Cell in the Department of Bengali with a view of exhaustive studies on Rabindranath Tagore.

Evaluative Report of the Department of English and Other Modern European Languages (DEOMEL)

1. **Name of the Department:** Department of English and Other Modern European Languages (DEOMEL)

2. **Year of establishment:** 1951

(By 1918 Rabindranath Tagore had conceived of a centre of culture where the East and the West would enter into an encounter not only for mutual enrichment but also for fostering the ideal of the fundamental unity of humanity. By 1919 the study of French and German was firmly established, and Paul Richer was one of the teachers of French at this period. After Visva-Bharati became a formal entity in 1921, C.F. Andrews was one of the teachers of English, Hidjibhai Pestonji Mauricewala of French and Narsinghbhai Patel of German. James H. Cousins also served briefly as a teacher of English during this time. Vincenz Lesny imparted lessons on the German language, as did Ferdinand Benoit on French and German, Bachmann on German, and Carlo S. Formichi and Giuseppe Tucci on Italian. At various points of time Rabindranath received as gifts libraries of books on French, German and Italian literatures. All these languages and literatures formed part of the course of studies at Uttar Vibhaga, the Department of Higher Studies, which was renamed Vidya Bhavana in 1926. The Department set for itself an exacting scheme of language training to serve primarily as essential equipment for research in any of the chosen fields of Vidya Bhavana. Distinguished teachers of English in the 1930s and later included Lila Majumdar, Balraj Sahni, Alex Aronson, Edward Thomson, Mujtaba Ali and Amiya Chakravarty among others.

When a department of English and Other Modern European Languages was set up after 1951, instead of just a department of English, an attempt was made to keep alive the spirit of the integrated study of European Languages that Rabindranath had tried to initiate in the early years of the institution.

The syllabi for B.A (Honours) and M.A courses were freshly drawn up with the inception of this department after the 1951 Act. Prior to that, students of Visva-Bharati were permitted to do the English Honours course of the

University of Calcutta, which was their examining body also. Humayun Kabir and Nirmal Kumar Siddhanta, among others, contributed to the framing of the new syllabi. A substantial component of Old and Middle English languages and literatures was a feature of the first syllabi.

3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha Bhavana (School of Languages and Literatures).
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) 3 year Under Graduate (BA Hons) and 2 year Post Graduate (MA) in English.
 - b) 3 year Under Graduate (BA Hons) in Italian, French, German and Russian
 - c) 2 year M. Phil and 5 year Ph. D in English, German, French, Russian and Italian
 - d) 2 year Certificate Course in German, French, Russian and Italian
 - e) 1 year Diploma Course in German, French, Russian and Italian
 - f) 1 year Advanced Diploma Course in Russian and Italian
5. **Interdisciplinary programmes and departments involved:**
 DEOMEL faculty members are actively involved in the development of speaking, writing and presentation (English language) skills of all students of Visva-Bharati (especially in the case of students of Sangit Bhavana and Department of Social Work). Interdisciplinary research is another area in which the department is engaged in. DEOMEL is not only involved in teaching English but the department also offers courses in European languages like Italian, German, French and Russian. At the post-graduate level we also teach texts written in these languages (in translation). We also set, moderate and evaluate all questions and answer papers.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 Teachers of this department frequently visit foreign universities and renowned institutes located in various parts of the world. Similarly, internationally known professors and scholars of esteemed universities and institutes visit our department, deliver lectures and interact with students and faculty members of the department. Recently two senior professors Abhijit Sen and Somdatta Mandal went to Edinburgh Napier University, Scotland which has a MOU with Visva-Bharati; consequently Professor Bashabi Fraser of Edinburgh Napier University visited our department as Visiting Fellow.
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester System

9. Participation of the department in the courses offered by other departments :

The faculties of this department are actively involved in the under-graduate courses offered by the various departments and Bhavanas like Sangit Bhavana, Siksha Bhavana and Kala Bhavana as we teach, set, moderate and evaluate components like “General English” and “Alternative English”. We also teach a series of remedial classes as per UGC recommendations to all students, especially the backward classes. We also take job-oriented classes for higher students.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|-----------------------------------|--------|---|
| Professor | 2 | 2 | 8 (6 in CAS) |
| Associate Professors | 5 | 3 | 4(3 in CAS + 2 vacant + 1 promoted to Professor in CAS) |
| Asst. Professors | 17* (2 in Comparative Literature) | 16* | 8(2 promoted to Professor in CAS + 4 promoted to Associate Professor in CAS+ 1 vacant) |
| Others | Nil | NA | NA |

* 2 incumbents of comparative literature are presently attached with DEOMEL

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Abhijit Sen
Qualification : Ph.D
Designation : Professor
Specialization : Renaissance Literature, Tagore, Translation Studies
No. of Years of Experience : 26
No. of Ph.D./M.Phil. students guided for the last 4 years : 08 (1 Ph.D awarded, 7 Ph.D enrolled.)
- b) **Name** : Goutam Ghosal
Qualification : Ph.D, D.Litt
Designation : Professor
Specialization : Sri Aurobindo and Rabindranath, nineteenth century British and American literature
No. of Years of Experience : 26

- No. of Ph.D./M.Phil. students guided for the last 4 years** : 07 (3 Ph.D awarded and 4 Ph.D enrolled)
- c) **Name** : Sukla Basu Sen
Qualification : Ph.D
Designation : Professor
Specialization : Renaissance studies, American studies, Drama, Tagore, Translation Studies
No. of Years of Experience : 37
No. of Ph.D./M.Phil. students guided for the last 4 years : 13 (4 Ph D awarded, 8 Ph D enrolled, 1 MPhil awarded)
- d) **Name** : Somdatta Mandal
Qualification : Ph.D
Designation : Professor
Specialization : American Literature and Culture, Canadian Literature, Film Studies
No. of Years of Experience : 26+
No. of Ph.D./M.Phil. students guided for the last 4 years : 11 (3 Ph D awarded; 7 Ph D enrolled, 1 MPhil awarded)
- e) **Name** : Nilanjan Chakraborty
Qualification : Ph.D
Designation : Professor (of French)
Specialization : French Studies, Translation studies, Travel literature
No. of Years of Experience : 20+
No. of Ph.D./M.Phil. students guided for the last 4 years : 02 (1 Ph D awarded, 1 Ph D enrolled)
- f) **Name** : Indrani Das
Qualification : Laurea (Ph.D)
Designation : Professor (of Italian)
Specialization : Italian Literature: Middle Ages, Renaissance, 19th & 20th Century, Medieval History
No. of Years of Experience : 20+
No. of Ph.D./M.Phil. students guided for the last 4 years : 01 (1 Ph D enrolled)

- g) **Name** : Debarati Bandopadhyay
Qualification : Ph.D
Designation : Professor
Specialization : Eco-criticism, Nineteenth Century, Thomas Hardy, Tagore
No. of Years of Experience : 15+
No. of Ph.D./M.Phil. students guided for the last 4 years : 09(1 Ph D awarded, 7 Ph D enrolled, 1 MPhil awarded)
- h) **Name** : Amrit Sen
Qualification : Ph.D
Designation : Professor
Specialization : 18th Century Studies, Travel writings, Tagore
No. of Years of Experience : 15+
No. of Ph.D./M.Phil. students guided for the last 4 years : 09(1 Ph D awarded, 8 Ph D enrolled)
- i) **Name** : Aruna Mukherjee
Qualification : Ph.D
Designation : Associate Professor (of Russian)
Specialization : Russian Literature, Tagore, Translation Studies
No. of Years of Experience : 27+
No. of Ph.D./M.Phil. students guided for the last 4 years : 02(2 Ph D enrolled)
- j) **Name** : Romit Roy
Qualification : M.Phil
Designation : Associate Professor (of German)
Specialization : German Literature; The works of Theodor W. Adorno, esp. his work on music; Musical modernity, esp. the music of the New Viennese School
No. of Years of Experience : 24+
No. of Ph.D./M.Phil. students guided for the last 4 years : 01(1 M Phil awarded)
- k) **Name** : Tanuka Das
Qualification : Ph.D
Designation : Associate Professor

- Specialization** : British and American Modernist literature
No. of Years of Experience : 32+
No. of Ph.D./M.Phil. students guided for the last 4 years : 07(1 Ph D awarded, 5 Ph D enrolled; 1 MPhil awarded)
- l) Name** : Swati Ganguly
Qualification : Ph.D
Designation : Associate Professor
Specialization : Feminism/Gender Studies, Renaissance Studies, Tagore
No. of Years of Experience : 19
No. of Ph.D./M.Phil. students guided for the last 4 years : 06(6 Ph D enrolled)
- m) Name** : Tapu Biswas
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Modern British Drama, Indian Drama
No. of Years of Experience : 8+
No. of Ph.D./M.Phil. students guided for the last 4 years : 03(3 Ph D enrolled)
- n) Name** : Sudev Pratim Basu
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Popular Literature, Postcolonial Studies, Theory, Graphic Novels, Travel Literature
No. of Years of Experience : 14+
No. of Ph.D./M.Phil. students guided for the last 4 years : 07(6 Ph D enrolled, 1 MPhil awarded)
- o) Name** : Ananya Dutta Gupta
Qualification : M.Phil
Designation : Assistant Professor
Specialization : War and Society, Tagore, Renaissance Studies
No. of Years of Experience : 11+
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- p) **Name** : Saurav Dasthakur
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Twentieth Century British literature, Indian and African literatures in English, Literary Theory, Culture Studies
No. of Years of Experience : 10+
No. of Ph.D./M.Phil. students guided for the last 4 years : 05(5 Ph D enrolled)
- q) **Name** : Dipankar Roy
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Theory, Postcolonialism, Tagore
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- r) **Name** : Nilanjana Bhattacharya
Qualification : Ph.D
Designation : Assistant Professor (of Comparative Literature)
Specialization : Latin American Literature, Bhasha Literature, Translation Studies
No. of Years of Experience : 4+
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- s) **Name** : Soma Mukhopadhyay
Qualification : Ph.D
Designation : Assistant Professor (of Comparative Literature)
Specialization : Literatures of Africa, Indian Bhasha Literature, Comparative Literature, Translation Studies
No. of Years of Experience : 3+
No. of Ph.D./M.Phil. students guided for the last 4 years : 01(1 Ph D enrolled)
- t) **Name** : Shaona Barik
Qualification : M.A.

Designation : Assistant Professor
Specialization : Turn of the century British literature,
 Victorian Literature
No. of Years of Experience : 06 months
**No. of Ph.D./M.Phil. students
 guided for the last 4 years** : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

A select list of eminent scholars who have visited our departments in the last few years:

| Name | Institutional Affiliation | Year of visit |
|----------------------------------|---|---------------|
| Prof. Ramkrishna Bhattacharya | Anandamohan College, Calcutta University | 2009 |
| Prof. Makarand Paranjape | Jawaharlal Nehru University, New Delhi | 2010 |
| Prof. Ashok Mahapatra | Sambalpur University | 2010 |
| Prof. Jashodhara Bagchi | Emeritus Professor, Jadavpur University | 2010 |
| Prof. Swapan Majumder | Jadavpur University | 2010 |
| Prof. Kathleen O'Connell | University of Toronto | 2010 |
| Prof. Usha Bande | Himachal Pradesh University, Simla | 2010 |
| Prof. Jasbir Jain | Rajasthan University | 2010 |
| Prof. Marzenna Jakubczak | Krakow, Poland | 2012 |
| Prof. Blanka Knotkova Capkova | Charles & Metropolitan University, Czech Republic | 2013 |
| Prof. Dipesh Chakraborty | University of Chicago, USA | 2013 |
| Prof. Bashabi Fraser | University of Edinburgh | 2013 |
| Prof. Krishna Sen | Former Professor, University of Calcutta | 2013 |
| Dr. Prasanta Chakravarty | Dept. Of English, University of Delhi | 2013 |

13. Percentage of classes taken by temporary faculty — programme-wise :

Of late there is no provision for 'Temporary Faculty' at our Department; however, Research Scholars and Visiting Fellows are assigned some classes both at UG and PG levels.

14. Programme-wise Student Teacher Ratio* :

| Programme | Course | Number of students | Number of teachers | Student-Teacher ratio* |
|-----------|--------|--------------------|--------------------|------------------------|
| UG | BA | 123 | 20 | 6:1 |
| PG | MA | 92 | 20 | 4.5: 1 |

| | | | | |
|--------------------|-------|------|----|---------|
| Research Programme | MPhil | 13 | 20 | 4.35: 1 |
| | PhD | 74** | | |

* The ratio is calculated on the assumption that all teachers are involved in teaching all the courses. This is also to clarify that all teachers are also engaged in teaching University Courses like General English, Alternative English and Communicative English. OMEL teachers of the Department also offer Certificate and Diploma Courses in German, French, Russian and Italian. OMEL teachers and teachers of Comparative Literature are also actively involved in designing courses, teaching texts, setting question papers and evaluating scripts at the undergraduate and postgraduate levels.

** This figure includes the scholars pursuing their research at various levels of registration.

15. Number of academic support staff (technical) and administrative filled and actual:

| | Sanctioned | Filled | Actual |
|----------------------|----------------------|--------|--------|
| Administrative Staff | 1 (Office Assistant) | 1 | 1 |
| Group D Staff | 1 | 1 | 1 |
| Temporary Staff | 2 | 2 | 2 |

16. Research thrust areas as recognized by major funding agencies:

| Thrust Area | Funding Agency | Remarks |
|--|----------------|-------------|
| Rabindranath Tagore: East West Confluence | UGC | UGC DRS-SAP |

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: 02

| Name of the Faculty-Member | Project Title | Funding Agency | Amount of Grant received |
|----------------------------|--------------------------------------|----------------|--------------------------|
| Amrit Sen | “Rabindranath Tagore and Science” | UGC | 9.6 lac |
| Tapu Biswas | “Badal Sircar and the Third Theatre” | UGC | 1.5 lac |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration & b) international collaboration:

Since inception the Department has collaborated with reputed national and international organizations like EZCC, Sahitya Akademi, Sangit Natak Akademi, IACLALS, MELUS/ MELOW, British Council and American Center in projects like

colloquiums, symposia, workshops etc. These institutes fund and sponsor full/partial grants that help us in hosting such academic events.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

The Department received the UGC DRS (SAP) project on “Rabindranath Tagore: East-West Confluence” in the year 2009-10. The total amount sanctioned was 34.50 lac (Recurring 24.00 lac + Non-Recurring 10.50 lac) and the expenses for two Project-Fellows. We wish to follow this up with the next step UGC-DSA and finally with the Centre for Advanced Studies.

20. Research facility / centre with

a) state recognition :

b) national recognition:

c) international recognition:

The broad rubric for the UGC-DRS research is “Rabindranath Tagore: East West Confluence”. The Department has a well equipped library for doing this kind of research. Moreover the Rabindra-Bhavana Library has the biggest collection of Tagore’s primary texts and other original documents.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

a) No. of papers published in peer reviewed journals (national/international):

| | | |
|------------------------|---|-----|
| Abhijit Sen | – | 12 |
| Amrit Sen | – | 07 |
| Ananya Dutta Gupta | – | 10 |
| Aruna Mukherjee | – | 06 |
| Debarati Bandyopadhyay | – | 07 |
| Dipankar Roy | – | 06 |
| Goutam Ghoshal | – | 115 |
| Indrani Das | – | 10 |
| Nilanjan Chakraborty | – | 23 |
| Nilanjana Bhattacharya | – | 05 |
| Romit Roy | – | 07 |
| Saurav Dasthakur | – | 07 |
| Somdatta Mandal | – | 49 |
| Sudev Pratim Basu | – | 06 |
| Sukla Basu Sen | – | 14 |
| Swati Ganguly | – | 09 |

| | | |
|--------------|---|------------|
| Tanuka Das | – | 11 |
| Tapu Biswas | – | 10 |
| Total | – | 314 |

b) Monographs:

Debarati Bandyopadhyay –

- i) *Arundhati Roy: Environment and Literary Activism*. Occasional Paper 24. Institute of Development Studies Kolkata. April 2011.

Swati Ganguly –

- i) *Jiyankathi* (Kolkata: Parampara, 2012) ISBN 978-93-80869-80-3.

c) Chapters in Books:

Abhijit Sen –

- i) “In Search of a ‘New’ Language for the Bengali Theatre”, Rabindranath Tagore: A Commemorative Volume, ed. Udaya Narayana Singh (New Delhi: Public Diplomacy Division, Ministry External Affairs, GOI), 2010: 202-213.
- ii) “The Author as Actor: Rabindranath Tagore as a Theatre Practitioner”, *The Poet and his World: Critical Essays on Rabindranath Tagore*, ed. Mohamad A. Quayum (Hyderabad: Orient Blackswan, 2011): 185-198. ISBN 978-81-250-4319-5.
- iii) *The Kingdom of Cards*, an English translation of Tagore’s *Tasher Desh*, in *Essential Tagore*, ed. Fakrul Alam & Radha Chakravarty (Cambridge, Mass.: Harvard UP, 2010): 450-487. ISBN 978-0-674-05790-6.
- iv) “Wordsworth and Annette Vallon: love, politics, poetry”, *Romanticism and its Legacies*, ed. Ralla Guha Neogi (Kolkata: Fine Prints, in collaboration with Basanti Devi College, Kolkata, 2009): 50-62. ISBN 978-81-906889-4-9.
- v) “Jesus of The New Testament: History, Myth, Faith”, *The Word and the World*, ed. Sukanya Dasgupta & Mangala Gauri Ramani Chakravarty (Kolkata: Loreto College, 2009): 57-76. ISBN 81-85861-36-6.
- vi) “Fatal Visions in *Macbeth*”, *Renaissance Themes: Essays presented to Arun Kumar Dasgupta*, ed. Sukanta Chaudhuri (London, New York, New Delhi: Anthem Press, 2009): 98-112. ISBN-13: 978-81-907570-1-0.
- vii) “Rabindranath’s Theatre at the Ashram-school: Towards a ‘Swadeshi’ Model?”, *Rabindranath Tagore and the Nation: Essays in Politics, Society and Culture*, ed. Swati Ganguly & Abhijit Sen (Kolkata: Punascha & Visva-Bharati, 2011): 259-273. ISBN 817332482-4.
- viii) “Jesus in Rome-occupied Judea: Redeeming Messiah or Liberating

Terrorist?”, *Proceedings of the Seminar on ‘Changing Faces of Terrorism: A 21st Century Perspective’*, ed. Jayati Mukherjee (Kolkata: Gokhale Memorial Girls’ College, 2009): 25-35.

- ix) “Shakespeare and his Directors,” in *Only Connect*, Ed. Jayanti Datta (Kolkata: Avenel Press, 2012): 11-21.

Amrit Sen –

- i) “Rabindranath, Travel and Tirtha”, in *Tagore: At Home in the World* eds. Sanjukta Dasgupta and Chinmoy Guha. New Delhi: Sage Publications, 2012. pp. 75-96.
- ii) “Survival”, translation of short story by Shyamal Kr. Pramanik, titled “Ekho Aadam”, in *Survival and other Stories: Bangle Dalit Fiction in Translation*. Eds. Shankar Prasad Singha and Indranil Acharya. New Delhi: Orient Blackswan, 2012: 135 – 39.
- iii) “Himsai Unmattwo Prithwi: Tagore’s Response to Violence” in *Violence Versus Tolerance*. Eds. Bibekananda Sau and Madhu Kapoor. Kolkata: Sadesh, 2011. ISBN: 8182821711: 25-38.
- iv) “The Outsider’s Vision: Samant in *Silence! The Court is in Session*”, in Kaustav Chakraborty. Ed. *Indian Drama in English*. New Delhi: Pearson Learning, 2011: 53-67.
- v) “Reorganizing her Continental Life: Rabindranath’s Asian Travelogues”, in *Rabindranath Tagore and the Nation: Essays in Politics, Society and Culture*. Eds. Swati Ganguly and Abhijit Sen. Kolkata: Punascha, 2011. ISBN: 8173324824: 62-71.
- vi) “Never so wholly Stirr’s my Mind”: Rabindranath and *Russiar Chithi*”, in *Rabindranath Revisited: Essays on Tagore*. Kolkata: Levant Books, 2012. pp. 74-90.
- vii) “Debating the Charkha: Envisioning the Postcolonial Nation in A.P.C. Ray, Rabindranath Tagore and Mahatma Gandhi”, in *New Orientations in English Literature and Language Teaching*. Hyderabad: Osmania University, 2013.
- viii) “In a Land Where I have no Readers: Rabindranath and the Voyage to Iran”, in *Contemporarising Tagore and the World*, ed Imtiaz Ahmed et. al. Dhaka: The University Press Ltd., 2013. pp.103-114. ISBN 9789845061209.
- ix) “Translating Dalit Literature: Texts and Problems”, in *Marginal Writings in English, Bengali and other Regional Literature*, ed. Jaydeep Sarangi and Champa Ghoshal. New Delhi: Authors Press, 2013. pp. 48-55. ISBN 9788172737177.

- x) “Perspectives of Storytelling: Tapan Sinha’s *Kshudita Pashan* (1961), in *Word and Image: Articulations on Literature and Films*. Ed. Subha Mishra and Urmila Dabir. Nagpur: Dattsons, 2013. ISBN 9788171920839
- xi) “A Play of Selves: On the Edges of Time and the Art of Autobiography”, in *Rathindranath Tagore: The Unsung Hero*. Ed. Tapati Mukhopadhyay and Amrit Sen. Santiniketan: Rabindra Bhavana, 2013. pp. 3-11. ISBN 9788175225732

Ananya Dutta Gupta –

- i) Bhattacharya, Malini, ‘*Nandini of Jakshapuri*’ and ‘*The Crisis of Civilisation*’, transl. Ananya Dutta Gupta in Sen, Abhijit & Swati Ganguly eds. *Tagore and the Swadeshi Samaj*. Kolkata: Punashcha, 2011. ISBN 978-81-7332-482-6.
- ii) Spenser, Edmund: *The Faerie Queene. Book I*. Ed. M.C. Jussawalla. Extensively revised with Commentary and New Introduction by Ananya Dutta Gupta. *Orient Blackswan Annotated Study Texts*. Hyderabad: Orient Blackswan, 2012. ISBN 978 81 250-4030 9.

Aruna Mukherjee –

- i) “Robir Aloke Prabhat,” pp. 392-398. *Rabindranath O Bibhinya Bharatiyo Byaktitya*. Ed. Tapas Bhowmik, Kolkata: Korok.

Debarati Bandyopadhyay –

- i) “Tagore, Environment and Ecology: A Place-Space Dynamics” *Tagore-At Home in the World* ed. Sanjukta Dasgupta and Chinmoy Guha. New Delhi: Sage, 2013. pp. 305-316. ISBN: 978-81-321-1084-2.
- ii) “Ethics in *The Penelopiad*” *Inhabited by Stories: Critical Essays on Tales Retold* ed. Nancy A. Barta-Smith and Danette Dimarco. Newcastle upon Tyne; Cambridge Scholars, 2012. pp. 174-193. ISBN: 978-1-4438-4153-5.
- iii) “Of Nostalgia and Necessity: Revisiting North East India in Siddhartha Deb’s Fiction,” *Exploring North-East Indian Writings in English* ed. Indu Swami. New Delhi: Sarup, 2011. pp. 224-235.
- iv) “Tagore’s Santiniketan” *Rabindranath Tagore: The Living Presence* ed. Nibir K. Ghosh. New Delhi: Authorspress, 2011. ISBN: 9788172736491
- v) “Environment and Marginalized Existence in Tagore’s Works” *Rabindranath Tagore: The Living Presence* ed. Nibir K. Ghosh. New Delhi: Authorspress, 2011. ISBN: 9788172736491.
- vi) “Globalized Transactions and Syncretism; Evaluating Jhumpa Lahiri’s Fiction”. *Literary Transactions in a Globalized Context: Multiethnicity, Gender and the Marketplace* ed. Himadri Lahiri. New Delhi: Worldview, 2010. pp. 89-98. ISBN: 978-8186423- 18-9.

- vii) "Experiences of the Indian and South-East Asian Diaspora in the Fictional Works of Jhumpa Lahiri and Monica Ali" *Understanding India: Studies in Indian English Fiction*. Ed. Arnab Bhattacharya. Kolkata: Books Way, 2010. pp. 131-141. ISBN: 978-93-80145-39-6.
- viii) "Margaret Atwood: Ecofeminist Concerns" *Modes of Resistance: World Literatures in English*. Kolkata: Department of English, New Alipore College, 2009. pp. 38-51.
- ix) "Exploring Literary Ecology of Place in 'New' Nature Writing" in *Toward a Literary Ecology: Places and Spaces in American Literature* ed. Karen E. Waldron and Rob Friedman. Lanham Toronto/ Plymouth, UK: Scarecrow – Rowman and Littlefield, 2013. Pp. 145-162. ISBN: 978-0-8108-9197-5.
- x) "Frail and/or Indomitable: Representation of the Female Body in Sarojini Naidu's Poetry" in *Writing the Body: Studies in the Self-Images of Women in Indian English Poetry* ed. Arnab Bhattacharya. The Arts in Society series. Champaign, Illinois, USA: Common Ground, 2013. Pp. 21-31. ISBN: 978-1-61229-325-7

Dipankar Roy –

- i) "Life in the Translated World of Amitav Ghosh" in *Literary Transactions in a Globalized Context*, Himadri Lahiri (Ed.) Kolkata: Worldview, 2010, pp-289-98. ISBN 81-86423-18-4.
- ii) "National Identity and the Question of Violence" in *Rabindranath Tagore and the Nation: Essays in Politics, Society and Culture*, Swati Ganguly and Abhijit Sen(eds.), Visva-Bharati & Punascha Kolkata, 2011. pp, 238-49. ISBN 978-81-7332-482-6.
- iii) "Translation as Representation" in *Understanding India: Studies in Indian English Fiction* Arnab Bhattacharya (Ed), Kolkata: Books Way, 2009, pp. 152-59.; ISBN 978-93-80145-39-6.
- iv) "From Flint to Matchboxes—The Nation's Trek through Colonial Modernity: A Study of Dinendrakumar Roy's three sketches on *Bengal Village Life*" in *Nation and Narration*. ed. Snehasish Maity, Deptt of English: Sitananda College, Nandigram, 2009: 23-28.
- v) Translated and published poems of Michael Madhusudan Datta, Bashabi Fraser and Arun Kolatkar in *Bharitya Engreji Kobita*, Somdatta Mandal and Soma Mukhopadhyay (eds.) Abhijan Publishers, Kolkata. 2013 ISBN: 978-93-80197-07-4.

Goutam Ghoshal –

- i) "Tagore's Poetry: An Aurobindonian Approach" in *In Rethinking*

Tagore. Eds. B. R. Ananthan & M. G. Hegde. Karnataka: Rani Channamma University, 2013.

- ii) “Sri Aurobindo’s Poetry: A Critical Study” in *Marginalised: Indian Poetry in English*, ed. Sunita Agarwal, New York: Rodopi, 2014. ISBN 978-90-420-3784-7.

Indrani Das –

- i) “Hindi Bhavana” in the Volume *Rabindranather Santiniketan o Sriniketan*, ed. Tapan Som, Dip Prakashan, Kolkata, 2010.
- ii) Two English poems of Niranjana Mohanty translated into Bengali in *Bharatiya Engreji Kobita*. Eds. Somdatta Mandal & Soma Mukhopadhyay, Abhjan Publishers: Kolkata, 2013.

Nilanjana Bhattacharya –

- i) ‘Mapping Borders through Languages: The Politics of Multilingualism’; pp. 360-374 *Cartographies of Affect: Across Borders in South Asia & The Americas* Eds. Debra Castillo & Kavita Panjabi. Delhi: Worldview, Centre for Studies in Latin American Literatures and Cultures & Centre of Advanced Study, Dept. of Comparative Literature, JU, 2011; 978-81-920651-0-6.
- ii) ‘Rabindranath Tagore y Victoria Ocampo: Un Encuentro Transcendental’; pp. 309-327, *Redescubriendo a Tagore* Eds. Shyama Prasad Ganguly & Indranil Chakravarty. Mumbai: Amaranta, 2011; 978-81-921843-1-9.
- iii) An entry on “Literature”; pp. 425-432, *India Today: An Encyclopedia of Life in the Republic* (Vol 2) Eds. Arnold P. Kaminsky & Roger D. Long. Santa Barbara, California: ABC-CLIO, 2011; 978-0-313-37462-3 (Hardback), 978-0-313-37463-0 (ebook).
- iv) An entry on ‘Rabindranath Tagore’; pp.291-292 *Cultural Sociology of Middle East, Asia and Africa* Vol.4 Ed. Carolin M. Elliott. Los Angeles: SAGE, 2011; 9781412981767.
- v) ‘Rabindranath’s ‘Visvasahitya’ and Comparative Literary Studies’, *Contemporarising Tagore and the World*, eds. Imtiaz Ahmed, Muchkund Dubey and Veena Sikri. Dhaka: University Press Limited, 2013; 978 984 506 118 6.
- vi) ‘Victoria Ocampo: ‘Mujer de una tierra extraña’; pp. 213-229 *Hispanic Horizon: The Shared Crossings; Indo-Hispano-Lusophone Perspectives*, ed. Shyama Prasad Ganguly. New Delhi, Jawaharlal Nehru University, 2011; ISBN: 81-901849-6-2.

Romit Roy –

- i) “Shopping Malls and Social Networking Sites. Interiority, Visual Culture

and the Transformation of the Public Sphere”. In: Julia Afifi, S. Mazumdar, R. Rajan and C. Ulrich (Eds.), *German Studies in India. Beiträge aus der Germanistik in Indien. Vol. 3/2012*. New Delhi and Munich, 2012 (German Academic Exchange Service DAAD-Delhi, Iudicium Verlag, Munich): 199-212. ISBN 978-3-86205-077-2 / ISSN: 1867-2817.

- ii) “Rabindranath Tagore als moderner Komponist”. In: *World Literature and Translation as Cultural Praxis: Goethe Society of India, Yearbook 2012*. New Delhi, 2013 (Mosaic Books), 15-33. ISBN 978-81-907140-4-4.
- iii) “Milarepa”, Samudrer namkaran”: Translation from English into Bengali of two poems by Ranajit Hoskote. In: Somdatta Mandal and Soma Mukherjee (eds.), *Bharatiya Engreji Kobita*. Kolkata, Abhijan, 2013: 149-50. ISBN: 978-93-80197-07-4

Saurav Dasthakur –

- i) “Violence in the Schoolboy Stories of Sukumar Ray”; pp.127-4. Sunita Sinha (ed.) *Canons of Children’s Literature*, Vol. 1 (New Delhi: Atlantic, 2012).
- ii) “Mythopoeic imagination in some love-lyrics of Rabindranath Tagore”; pp.1-8, N. C. Patnaik (ed.), *Myth and Mysticism in Indian English Poetry* (Chandbali: Chandbali College, Odisha, 2012).
- iii) Translated and published poems in *Bharitya Engreji Kobita*, Somdatta Mandal and Soma Mukhopadhyay (eds.) Abhijan: Kolkata, 2013. ISBN: 978-93-80197-07-4.

Soma Mukhopadhyay –

- i) “Socio-Cultural Transactions: India and Southeast Asia” in *Tracing Transactions : An Anthology of Critical Essays on India and Southeast Asia*, Suchorita Chattopadhyay and Soma Mukherjee (eds.) World View. New Delhi. 2011. ISBN: 978-81-920651-7-5.
- ii) “Subarnalata Upanayeshe Itihaas Bhabona” in *Subarnalata: Nari Porichitir Khoje*, Bela Das and Ipshita Chanda (eds.) Ratnabali: Kolkata. 2011. ISBN: 978-93-81329-09-2.
- iii) “Tulanamulak Sahitya: Songa O Pothan Poddhoti (Comparative Literature: Definition and Methodology)” in *Pashcchatto Sahityatotto O SahityaBhavana*, Nabyendu Sen (ed.) Ratnabali: Kolkata. 2009.
- iv) Translated and published poems of Jayanta Mahapatra, Dilip Chitre and Meena Kandasamy in *Bharitya Engreji Kobita*, Somdatta Mandal and Soma Mukhopadhyay (eds.) Obhijaan: Kolkata 2013 ISBN: 978-93-80197-07-4.

Somdatta Mandal –

- i) Bharati Mukherjee. Translation of her first Interview in *Desh*. In *Conversations with Bharati Mukherjee*. Ed. Bradley C. Edwards. Knoxville: University of Mississippi Press, 2009: 3-9.
- ii) “History and/or A Sense of Place: Reading Amitav Ghosh’s *The Hungry Tide*.” *Crossing Borders: Post 1980 Sub-continental Writing in English*. Ed. Jasbir Jain. Jaipur & New Delhi: Rawat Publications, 2009: 139-151.
- iii) “Film and Fiction After 9/11: Honoring and Remembering.” *Literature in Times of Violence*. Eds. Gulshan Rai Kataria & Somdatta Mandal .New Delhi: Prestige Books, 2009:120-32.
- iv) “The Literature or the Passport? Evaluating Diasporic Indian Writing in English.” *Diaspora in Indian Writing in English: University Grants Commission Sponsored National Level Seminar Proceedings*. Kolkata: Vidyasagar College, 2009: 34-51.
- v) “Of Books and their Covers: Marketing Literature in a Globalized Context.” *Literary Transactions in a Globalized Context: Multi-Ethnicity, Gender and the Marketplace*. Eds. Himadri Lahiri & Debashish Lahiri. Delhi: Worldview, 2010: 147 –168.
- vi) “‘People Said I Created Pornography’: Sexuality, The Gaze and Rituparno Ghosh” in *Woman as Spectator and Spectacle: Essays on Women and Media*. Hyderabad: Cambridge University Press India Pvt. Ltd. 2010.
- vii) “Two Masters one Text: Satyajit Ray’s Transcreation of *Ghare Baire*” in *Filming Fiction: Tagore, Premchand and Ray*. Eds. M. Asaduddin & Anuradha Ghosh. New Delhi, Oxford University Press, 2012: 38-47.
- viii) “Dismemberment and/or Reconstruction: Visual Representations of the Partition of Bengal.” *Barbed Wire: Borders and Partitions in South Asia*. Ed. Jayita Sengupta. Routledge, 2012: 135-55.
- ix) “Reiterating Stereotypes: Assessing the Role of Women in Contemporary Jatra.” *Society, Representations and Textuality: The Critical Interface*. Eds. Sukalpa Bhattacharjee & C.J. Thomas. New Delhi: Sage Publications, 2013.
- x) “Cinema as an Emergent Art Form and Tagore” in *Rabindranath Tagore: A Commemorative Volume* Eds. Udaya Narayana Singh & Navdeep Suri. New Delhi: Ministry of External Affairs 2011: 214-221.
- xi) “Film and Fiction after 9/11: A Critical Assessment” in *Violence and Its Representations* Eds. Uday Chand Das & Himadri Lahiri. Burdwan, Academic Staff College, The University of Burdwan. August 2012: 40-55. ISBN: 978-93-80663-64-7.

- xii) "The Literature or the Passport? Evaluating Diasporic Indian English Literature" in *Indian Fiction Since Independence: Readings From the Periphery*. Ed. Prashanta Chakraborty. New Delhi: Prestige Books, 2013. ISBN 978-93-82186-17-5.
- xiii) "Multicultural America" in *Provincialising American Studies after 9/11: A Third World Perspective* edited by Anindya Sekhar Purakayastha, Dhritiman Chakraborty and Mursed Alam. New Delhi, Author's Press, 2013.
- xiv) Foreword for *Locating Asian American Women Writers in the Diaspora* by Nandini Bhadra, New Delhi & Sydney: Prestige Books International, 2013: 7-12.

Sudev Pratim Basu –

- i) "Fractures, Heterotopologies and the In-between Spaces of Malgudi(s)", in Sarbani Putatunda, ed., *R.K. Narayan – Critical Essays*, New Delhi: Prentice Hall, 2012, pp. 114 – 127. ISBN 978-81-203-4536-2.
- ii) "Sherlock Holmes, Xenophobia and Factual Fractures: A (Mis?) Reading", in Uday Chand Das & Himadri Lahiri, eds. *Violence and Its Representations*, Burdwan: Academic Staff College, University of Burdwan, 2013, pp. 56 – 62. ISBN 978-93-80663-64-7.
- iii) "Hunting, Travel and Mascara: Women Hunter-Travellers in British India, 1837 – 1916", in Somdatta Mandal, ed. *Journeys: Indian Travel Writing*, New Delhi: Creative Books, 2013, pp. 54 – 71. ISBN 978-81-8043-101-2.
- iv) "Beyond Twitter and Facebook" – The Rise/Ruse of Computer Games as the New Future of Media Content and Control", in Mausumi Bhattacharyya ed. *Voice of Social Media in Democracy*, Santiniketan: Visva-Bharati, 2014, pp. 42 – 48. ISBN-978-81-7522-584-8.

Sukla Basu Sen –

- i) "Prot(esting) the Purdah: The Evolving Sell engages its Other in Attia Hossain's *Sunlight on a Broken Column*", Proceedings of UGC sponsored Seminar on "Modes of Resistance", Dept of English, New Alipore College, 2009, published in Nov-Dec 2010.
- ii) "'Ek e sutre'- beaded on a single string: Fiction by Women Writers in Post-Independence India", *South Asian Literature: Criticism and Poetry*, ISBN 978-81-7273-6002123-138, Gnosis, an of Author's Press, New Delhi, 2011. Ed. Bhaskar Roy Barman.
- iii) *Transplantation and Transcreation – An Anthology of American Poetry in Bengali Translation*, eds. Indrani Halder and Susmita Basu, 2011, Kolkata. Translation of American Poems.

- iv) *Krishna Katha (Black Narratives)*. Birutjatio, 2012, Santiniketan. Translation of African American Poetry.
- v) "Reading and Writing Reality: A *Mighty Heart* and *Schindler's List* as Faction" MELUS-MELOW Journal based on the proceedings of the 2011 seminar at OUCIP at Hyderabad, on "In Search of Solutions: The Conventional, the Experimental and the Bizarre", ISSN - 2249-1839, Volume 2, August 2012.
- vi) "The Problem of Identity and Existence in Tendulkar's *A Friend's Story*", jointly with Shukla Chatterjee, *Indian Drama in English*, ed by Abha Shukla Kaushik, Atlantic, ISBN-978-81-269-1772-3, Sahibabad, U.P, 2013.
- vii) *Bharatiya Engraji Kabita*, , eds. Somdatta Mondal and Soma Mukhopadhyay, Abhijan Publishers, ISBN:978-93-80197-07-4, February 2013, Translation of Poems by Michael Madhusudan Dutt, Nissim Ezekiel , M.K. Nayak, Arundhati Subramaniam.
- viii) "Transformation of the European Legacy in O'Neill's Plays. Themes and Stage Techniques" JUSAS Online-The web log of Jadavpur University Society for American Studies, Vol 1, 29th July, 2013.

Swati Ganguly –

- i) 'The black and midnight hags': The Weird Sisters in *Macbeth* in Abhijit Sen ed. *Macbeth* Delhi: Pearson/Longman 2009, pp.241-259 ISBN 978-8-37-1103-3.
- ii) 'Dancing to Shakespeare: Crossing Genre and Gender in the Tragedies' in Poonam Trivedi and Minami Ryuta (ed.) *Re-playing Shakespeare in Asia* (London and New York: Routledge, 2010, pp 271-190 [ISBN 98-0-45-99240-4].
- iii) 'Making Swadesh accessible to English readers: *Glimpses of Bengal* and the Short Stories' in Swati Ganguly and Abhijit Sen (eds) *Rabindranath Tagore and the Nation*(Kolkata: Punascha in Association with Visva-Bharati, 2011, pp 165-178 [ISBN 817332482-4].
- iv) 'Empowerment or Loss of Power?: The Woman Scholar in Shakespeare' in Bhim S.Dahiya and Mridula Sharma (eds) *Scholars in Shakespeare A Post modern Scrutiny* (Kurukshetra: The Shakespeare Association, 2011) pp 111-122[ISBN 98-8-92034-3-5].
- v) 'Rabindranath Tagore's westward turn in visual cultures' in Anand Prakash and Ujjwal Sharma (eds.) *Tagore and the West: Essays in Appreciation* (Rohtak: Shanti Prakashan, 2011) [ISBN 978-93-810-90-19-5].

- vi) 'Santiniketan and Sriniketan: Tagore's utopia 'beyond nationalist frames' ed Konrad Meisig, *Utopias from Asia* (Weisbaden, Germany: Harrassowitz Verlag, 2012) ISBN 978-3-447-0694-2]
- vii) 'Celebrating the Global and the Local: Rabindranath's Ideal of Cosmopolitanism' in *Contemporarising Tagore and the World*, ed Imtiaz Ahmed, Muchkund Dubey et al (Dhaka: University Press Ltd, 2013).
- viii) 'Gendering lying and Truth Telling in *Othello*' in Shormistha Panja(ed) *Shakespeare and the Art of Lying* (New Delhi: Orient Black Swan 2013) (ISBN 978-81-250 5264 7) pp. 139-154.

Tanuka Das –

- i) "The Role of Rabindranath's Educational thoughts and the Western Modes of Education in the Shaping of Santiniketan: a Study of Two Parallel Streams". Part II, Chapter 8, 129-150. *Rabindranather Santiniketan O Sriniketan* [The Santiniketan and Sriniketan of Rabindranath Tagore], Vol.5 of the "Birbhumi Birbhum" Series; Kolkata: Dip Prakashan, under the aegis of the SDO, Bolpur, Government of West Bengal.
- ii) "The Saga of Non-heroes: a study of Kamleshwar's story on Partition", in *South Asian Literature: Criticism and Poetry*. New Delhi: GNOSIS. ISBN 978-81-7273-600-2. 139-149.
- iii) "Towards a more livable World: A study of W. H. Auden's English (1927-1938) poetry", in *Democracy, Civil Society and Good Governance*. Dhaka: International Congress of Social Philosophy (ICSP). ISBN 978-984-33-3988-1. 289-296.
- iv) "Devising her Own Language for Her Feminine Experience: a Study of Sylvia Plath's four Poems", *Writing Resistance: Beads Of Thoughts On Women* Jaipur: Mark Publishers. ISBN 978-93-82159-07-0. 169-179.
- v) "The 'Spiritual' Yeats in the Byzantium Poems", *Transcendence and Immanence in works of Select Poets in English*. New Delhi: ACCESS. ISBN 978-93-82647-04-1. 334-347.

Tapu Biswas –

- i) Shakespeare's Sonnet No 35 Translation in Bengali William Shakespeare's Sonnets for the First Time Globally Reprinted A Quartercentenary Anthology 1609-2009, 2011.
- ii) Shakespeare's Sonnet No 35 Translation in Bengali Shakespeare Sonnet in Bengali Translation Translation of Modern Bengali Poetry Anthology of Contemporary Bengali Modern Poetry Translation of Australian (into Bengali) of one poem.

d) Edited Books:

Abhijit Sen –

- i) Edition of Shakespeare's *Macbeth*, edited with Introduction and Annotations (New Delhi: Pearson Longman, 2009). ISBN 978-81-317-1103-3.
- ii) Co-edited with Swati Ganguly, *Rabindranath Tagore and the Nation: Essays in Politics, Society and Culture* (Kolkata: Punascha & Visva-Bharati, 2011). ISBN 817332482-4.

Amrit Sen –

- i) *Gitanjali: A Bilingual Centenary Edition*. Ed. Tapati Mukhopadhyay and Amrit Sen. Santiniketan: Rabindra Bhavana, 2012.
- ii) *Rabindranath Tagore: The Unsung Hero*. Ed. Tapati Mukhopadhyay and Amrit Sen. Santiniketan: Rabindra Bhavana, 2013. ISBN 9788175225732

Ananya Dutta Gupta –

- i) Spenser, Edmund: *The Faerie Queene. Book I*. Ed. M.C. Jussawalla. Extensively revised with Commentary and New Introduction by Ananya Dutta Gupta. *Orient Blackswan Annotated Study Texts*. Hyderabad: Orient Blackswan, 2012. ISBN 978-81-250-4030-9.

Soma Mukhopadhyay –

- i) *Bharatiya Engreji Kobita*, Somdatta Mandal and Soma Mukhopadhyay (eds.) Obhijaan. Kolkata. 2013 ISBN: 978-93-80197-07-4.
- ii) *Tracing Transactions: An Anthology of Critical Essays on India and Southeast Asia*, Suchorita Chattopadhyay and Soma Mukherjee (eds.) World View. New Delhi. 2011. ISBN: 978-81-920651-7-5.

Somdatta Mandal –

- i) *Literature in Times of Violence*. Co-editor: Gulshan Rai Kataria. New Delhi: Prestige Books, 2009.
- ii) *Indian Travel Narratives*. Jaipur & New Delhi: Rawat Publications, 2010.
- iii) *Bharati Mukherjee: Critical Perspectives*. New Delhi: Pencraft International, 2010.
- iv) *Journeys: Indian Travel Writing*. New Delhi: Creative Books, 2013.
- v) *Bharatiya Engreji Kobita* (Indian English Poetry in Bangla). Eds. Somdatta Mandal and Soma Mukhopadhyay. Kolkata: Abhijan Publishers, February 2013. ISBN: 978-93-80197-07-4

Swati Ganguly –

- i) *Rabindranath Tagore and the Nation: Essays in politics, society and culture*, co-edited with Abhijit Sen, Kolkata: Punascha 2011[ISBN 978-81-7332-482-6].

Tapu Biswas –

- i) *Bratya Basu, Hemlat, The Prince of Garanhata* Kolkata: Avantgarde Press, 2013; ISBN 81-87538-24 -4.

e) Books with ISBN with details of publishers:**Debarati Bandyopadhyay –**

- i) *Melancholy Impressions: Re-reading Thomas Hardy's Major Novels.* Kolkata: Fine Prints, 2009. ISBN: 978-81-906889-5-6.

Tanuka Das –

- i) *The Voice of the English Auden.* New Delhi: Sarup Book Publishers Pvt. Ltd, August 2012. ISBN 978-81-7625-834-0.

Tapu Biswas –

- i) *Indian Responses to Western Theatre of the Absurd Vol II,* Kolkata: Avantgarde Press, 2009; ISBN 81-87538-17-1.

- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** For Humanities Publications / Publishers under the 'Humanities International Complete' and 'Dare Database' for International Social Sciences Directory, the articles published by the faculty members between 2009 and the present are unrepresented in these data bases due to insufficient data.

- g) **Citation Index — range / average:** Data not available

- h) **SNIP:** This factor, more associated with science and other subjects, have a direct and utilitarian approach to quantifiable citations. Not much in use for Humanities and Social Sciences.

- i) **SIR:** This factor is more associated with science and has to do much with citations and journal rankings. Not much in use for Humanities and Social Sciences.

- j) **Impact Factor — range / average:** No such data exists for all these publications.

- k) **h-index:** This is not available not quantifiable for Humanities and hence this is not applicable to our faculty members.

23. Details of patents and income generated: Nil**24. Areas of consultancy and income generated:**

Exploring possibilities of conducting Spoken English courses for all students of Visva-

Bharati in collaboration with institutions like British Council, Institute of English etc.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Faculty members frequently visit national and international universities, institutions, organisations, centres. Selected list is given below. Please note that we have *not* included the regular participation in national/ international seminars, symposia, conferences, workshops etc by faculty members in the department, of which all of them have done in abundance in the stipulated period of time.

International Visits:

Shukla Basu(Sen) –

- a) Invited by the pedagogical University of Krakow, Department of Philosophy and Sociology. Delivered a Lecture on “Rabindranath’s Concept of Education with special reference to the ethical and aesthetic engagement” to the faculty members and group of Philosophy and Sociology on 23.04.2013.
- b) Invited to a visit to the Institute of Middle and Far East Studies, Jagiellonian University in Karakow from 22.04.2013 – 25.04.2013. Delivered a Lecture on “The Role of Artistic Engagement in Tagore’s Concept of Education” to the Faculty members and students of the Department of the Institute on 22.04.2013.
- c) Invited to Visit the Department of British and American Studies, University Szeged, Hungary from 26.04.2013 – 30.04.2013. Delivered a Lecture on “Wilson’s *Fences* to : A Journey across Cultures” on 29.04.2013.

Abhijit Sen –

- a) As the Indian representative sent by the External Affairs Ministry, Government of India, delivered talks on “Rabindranath Tagore and Theatre” at the Nizami Institute of Literature and the Azerbaijan University of Languages, Baku, Azerbaijan, as part of the 150th birth anniversary celebrations of Rabindranath Tagore in Baku, Azerbaijan. The trip was hosted by the Ministry of Culture and Tourism, Republic of Azerbaijan on 5-8 May 2011.

Somdatta Mandal –

- a) Received Fulbright Visiting Lecturer Fellowship to teach one semester course on “South Asian Writing in English” from January to May 2009 at Dickinson College, Carlisle, USA.
- b) 6 March 2009. Department of English, Tulane University, New Orleans. Delivered lecture on “American Literary Studies in India: Problems and Possibilities.”
- c) 10 March 2009. Department of Liberal Arts, Savannah State University, Savannah, Georgia. Delivered lecture “Women’s Writing in India /Women’s Empowerment in India.”
- d) 11th March 2009. Department of Literature and Philosophy, College of

Liberal Arts & Sciences, Georgia Southern University, Statesboro, Georgia.

- i) Enquiring Indianness in the United States: Issues of Immigration and Acculturation .
- ii) Audio-visual presentation on “Globalization and the United States: Seeking a New America through Indian Lens.”
- e) 26 October 2010. Delivered invited lecture “Tagore the Educator and Santiniketan” at the Department of History, University of Massachusetts, Boston, USA.
- f) 4 November 2010. Delivered Invited Lecture at the University of Connecticut (India Studies Program and co-sponsored by Asian American Studies Institute and Department of English) on “The Itinerant Traveller: Tagore and America”.
- g) 13-14 May, 2011. International Conference at Department of English, Jahangirnagar University, Dhaka, Bangladesh on “Thinking Otherwise with/in English Studies.”
 - i) Participated as Discussant in panel on “Tagore and Translation” (Celebrating 150th Birth Anniversary of Tagore).
 - ii) Audio-Visual presentation “The Word and the Image: Teaching Fiction through Films.”
 - iii) Chaired the session on ‘Popular Culture.’
 - iv) Presented translation of Tagore’s *Pother Sonchoy* at the Book Launch Programme of *The Essential Tagore* edited by Fakrul Alam and Radha Chakravarty and published by Harvard University Press and Visva-Bharati.
- h) 4-6 May, 2012. International Tagore Conference “Tagore: The Global Impact of a Writer in the Community” at Edinburgh Napier University, Scotland. Presented paper entitled “Was Tagore a Feminist? Re-evaluating Selected Fiction and their Film Adaptations.” Also chaired a session.
 - i) 9-18 October, 2012. Delivered invited lectures at different universities in Poland and Czech Republic.
 - ii) "Representing Muslim and the Anglo-Indian Minority Culture as the 'Other' in Indian Cinema" at Institute of Middle and Far East Studies, Jagiellonian University, Krakow.
 - iii) “Walking in a Sari and Combat Boots”: Space, Bodies and Affect in South Asian Diasporic Cinema” at an International Conference in Cultural Studies on “Dialogue of Cultures & Culture of Dialogue” at The Andrzej Frycz Modrzewski Krakow University.
 - iii) “Women’s Empowerment in Contemporary India: Myth and Reality” at Asian Studies Department of Metropolitan University, Prague.
 - iv) “Contemporary Women’s Retellings of *The Ramayana*” at Department of

Gender Studies, Charles University, Prague.

Indrani Das –

- a) Attended Refresher Course for Italian Teachers teaching Italian abroad with partial scholarship from the Government of Italy in August 2010 (Siena, Italy).

Swati Ganguly –

- a) November 14 2013 Invited to deliver a special lecture at the Department Istituto Italiano di Studi Orientali at the Sapienza University, Rome on the occasion of the 100th anniversary of Rabindranath Tagore's award of the Nobel Prize.
- b) 19th November, Lecture titled "Honouring a 'Hindoo Poet': Rabindranath Tagore and the Nobel Prize, at the Università Degli Studi di Napoli "L' Oreintale", Naples.

Nilanjana Bhattacharya –

- a) Charles Wallace India Trust Translation Fellowship 2012 at the British Centre for Literary Translation, University of East Anglia, UK.

National Visits:

Shukla Basu(Sen) –

- a) 11-12 March, 2010. Delivered four lectures on American Literature at Presidency College, Kolkata as part of the Post-Graduate Programme of the Department of English.

Goutam Ghosal –

- a) Delivered lecture "Nolini Kanta Gupta's Art: Past, Present and the Future" at Sri Aurobindo Bhavan, Kolkata, 15 April, 2009.
- b) Delivered lecture "Baji Prabhou: Nationalism and the Metaphor of Sacrifice" at National Library, Kolkata, 1 August, 2009.
- c) Delivered lecture on "Sri Aurobindo's Overhead Aesthetics" at the Dept. of English, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), 10 March 2010.
- d) Delivered Plenary Speech on "Sri Aurobindo's Theory of Poetry: Searching for a Complete Manifesto" at Sri Aurobindo Centre for Advanced Research, (Puducherry), Pondicherry, 27 March 2010.
- e) Visiting Fellow at Jadavpur University Centre for Sri Aurobindo Studies. Delivered two lectures, "A Dynamic Revival: Towards a New Poetics" (20.7.2010) and "Sri Aurobindo's Yogic Poetry" (21.7.2010), 19-24 July 2010.
- f) December, 2012. Sashanko Shekhar Kar Endowment Lecture on *Sri Aurobindo O Rabindrasangeet* (in Bengali) at Sri Aurobindo Bhavan, Kolkata.
- g) January, 2013. Lecture on the *English Prose Style of Nolini Kanta Gupta*.

Abhijit Sen –

- a) 17 – 24 February 2010: Visiting Fellow, Department of English, Sambalpur University, Orissa. Took classes for MA and MPhil students in Blake, Joyce and Shakespeare Translation in Bengali.
- b) 21-28 March 2010: Visiting Fellow, Department of English, University of Calcutta. Took classes for MA and MPhil students in Shakespeare and related areas.

Somdatta Mandal –

- a) Visiting Professor at the School of Women's Studies, Jadavpur University, Kolkata for one week (23-30 March 2011).
- b) 15 January 2011. Delivered Special Invited Lecture at Nehru Centre, Mumbai in celebration of Tagore's 150th Birth Anniversary on "Tagore in America".
- c) 5 September, 2012. Delivered special invited lecture on "The Politics of Women's Writing in India" at Sidhu Kanhu Murmu University, Dumka, Jharkhand.

Indrani Das –

- a) 27Jan2012. Delivered an invited lecture with power-point presentation "Nava Jagaran Kal mein Italy ki Chitrakala" at Raja Man Singh Tomar University for Music and Fine Arts, Gwalior.

Romit Roy –

- a) Introductory Lecture "Adorno, Music and Philosophy: A Very Short Introduction" at the lecture-recital and book release of Wieland Hoban's translation of T.W. Adorno's "Nachtmusik" (Night Music) with Wieland Hoban reading from his translation and Prof. Phi-hsien Chen rendering pieces by Beethoven, Ravel, Schönberg and Alban Berg on the piano, Goethe-Institut, Max Mueller Bhavan, Kolkata, 30 August 2010.

Swati Ganguly –

- a) October 12, 2011, Annual Institutional Colloquium of the IIT Bombay on the occasion of the 150th birth anniversary celebrations of Tagore, Title of lecture, 'Rabindranath Tagore and Visva-Bharati.
- b) Recipient of the New India Foundation Fellowship (2013) for writing a book tentatively titled Saving Tagore's 'Life's Best Treasure': A History of Visva-Bharati (1951-1961).

Sudev Pratim Basu –

- a) 19 April, 2011: Invited as a subject expert to deliberate and participate in the *First Undergraduate Workshop* organised by the Department of English, Presidency University, Kolkata.
- b) 06 May 2011: Invited as a subject expert to deliberate and participate in the *Postgraduate Syllabus Workshop* organised by the Department of English,

Presidency University, Kolkata.

Soma Mukherjee –

- a) Delivered 13th Sukhalata Rao memorial lecture organized by School of Women's Studies, Jadavpur University on 26th March, 2013. Title of the paper: "Adhunik Bhasha-Sahitye Puran-Katha O Nari : Ekti Alochana".

26. Faculty serving in Faculty serving in a) National committees h) international committees c) Editorial Boards d) any other (please specify):

Sukla Basu(Sen) –

- a) A Life Member of MELUS- India /MELOW.

Goutam Ghosal –

- a) BOS member of Rabindra Bharati University and North Eastern Hill University.
- b) Member of Board of Research Studies, Burdwan University
- c) Asiatic Society, Kolkata (Life Membership).
- d) Indian Society for Buddhist Studies (Life Membership).
- e) International Congress of Social Philosophy (Life Membership).

Abhijit Sen –

- a) External member of Board of Studies, Department of English, Jadavpur University, 2008-2009, 2009-2010.
- b) External member of P.G. Expert Committee (equivalent to Board of Studies), Department of English, Presidency College, Calcutta, 2008-2009.
- c) External member of U.G. Board of Studies in English, Calcutta University, 2008-2009, 2009-2010.
- d) As director of the theatre group, *Natyam*, directed and produced in Kolkata two one-act plays of Buddhadeva Bose, *Pata Jhorey Jay* and *Sankranti*, on the occasion of his birth centenary, 2008-2009.
- e) Co-ordinator, DRS programme, DEOMEL, 2009-2010, 2010-2011, 2011-2012, 2012-2013.
- f) External member of PhD Research Committee, Kalyani University, 2010-2011, 2011-2012.
- g) External member of PhD Research Committee, West Bengal State University, Barasat, 2010-2011, 2012-2013.
- h) Editor, *Visva-Bharati Quarterly*, 2011-2012, 2012-2013.
- i) External Member, PG Board of Studies, Department of English, Presidency University, 2012-2013.

Somdatta Mandal –

- a) Chairperson of the Department since July 2008- June 2011 and April 2012 onwards.
- b) JUSAS (Jadavpur Society for American Studies) – Executive member from 1999 -

2005.

- c) MELUS- INDIA/MELOW Chapter – Executive Body Member since inception. At present Vice-President.
- d) Member of various committees in the university including Disciplinary Committee, Research Board, Admission Committee, Library Committee, etc.
- e) Member of Academic Advisory Committee of Department of Humanities, Social Sciences and Management, Indian Institute of Technology, Bhubaneswar.
- f) Member of Indian Association for Commonwealth Literature & Language Studies (Life)
- g) Member of Indian Association for Canadian Studies (Life)
- h) Member of F. Scott Fitzgerald Society, U.S.A.
- i) Member of Salzburg Seminar Alumni Association
- j) Member of MELUS- India /MELOW (Life)
- k) Member of Indian Association of American Studies (Life)
- l) Life member of OUCIP (Osmania University Centre for International Programmes (formerly American Studies Research Centre, Hyderabad)

Nilanjan Chakraborty –

- a) Member of Centre for French and Francophone Studies, School of Languages, JNU.

Indrani Das –

- a) Member of Academic Council, School of Languages, Jadavpur University, Kolkata.
- b) GB member of an NGO SWORD which works in the health sector, especially for the prevention of TB and Leprosy.
- c) Chairperson of a registered society Krishnanagar Siksha Prasar Samity which runs a Higher secondary School affiliated to CBSE, in the Chambal Valley, Morena District, M.P.

Debarati Bandyopadhyay –

- a) A Life Member of the Indian Association for Commonwealth Literature and Language Studies (IACLALS).
- b) A Life Member of MELUS- India /MELOW
- c) A Life Member of Forum for Contemporary Theory, Baroda.

Romit Roy –

- a) Member of Board of Studies, Centre of German Studies, School of Language, Literature and Culture Studies, JNU, 2011-13.

Tanuka Das –

- a) Member of the Advisory Body of *The Prism*, a Bilingual Peer-reviewed Annual journal of Mahatma Gandhi College, Purulia, W.B. Vol. V January 2013. ISSN

2229- 7537.

- b) Involvement in activities of social welfare: a Rotarian of the Rotary Club of Tagoreland, Santiniketan, District Birbhum. A Paul Harris Fellow.
- c) A Life member of the Youth Hostels Association, India.
- d) A Member of the Indian National Trust for Art and Cultural Heritage (INTACH) —Santiniketan Chapter.
- e) A Life Member of Osmania University Centre For International Programmes (OUCIP), Hyderabad, India.
- f) A Life Member of the International Congress of Social Philosophy (ICSP), a joint Indo-Bangla organization.
- g) A Life Member of the Indian Association for Commonwealth Literature and Language Studies (IACLALS).
- h) A Life Member of MELUS- India /MELOW.

Swati Ganguly –

- a) Founder member of *Ebong Alap*, a voluntary non-profit society that works with young adults in the fields of critical citizenship.

Sudev Pratim Basu –

- a) Member of Jadavpur University Society for American Studies.

Dipankar Roy –

- a) A Member of the Indian National Trust for Art and Cultural Heritage (INTACH) —Santiniketan Chapter.
- b) A Life Member of the Indian Association for Commonwealth Literature and Language Studies (IACLALS).
- c) Member of MELUS- India /MELOW

Ananya Dutta Gupta –

- a) Member of Shakespeare Society of India
- b) Member of British Shakespeare Association
- c) Member of Jadavpur University Society for American Studies
- d) Member of Centre for Studies in Romantic Literature

Tapu Biswas –

- a) Joint Secretary, Shakespeare Society Eastern India.
- b) Secretary, Tagore Gandhi Institute for Culture Studies and Service Learning.
- c) Life Member of Asiatic Society, Kolkata; Australian Study Centre and National Council of Bengal.

Soma Mukherjee –

- a) Life member of Comparative Literature Association of India
- b) Annual member of International Comparative Literature Association

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| Sl No | Refresher Course/ Orientation Programme | Place & Institution | Duration Dates | Sponsoring Agency | Assistant Professor |
|-------|--|---|--------------------------|-------------------|------------------------|
| 1 | Refresher Course: 'From MS to MS Word: Reading and Readers/ | Academic Staff College, Jadavpur University | 04.01.10 to 21.01.10 | UGC | Saurav Dasthakur |
| 2 | Refresher Course: 'Autobiography and Life Writing' | UGC-ASC, University of Burdwan | 19.06.10 to 09.07.10 | UGC | Sudev Pratim Basu |
| 3 | Orientation Programme | Academic Staff College, Jadavpur University | 03.01.2011 to 31.01.2011 | UGC | Tapu Biswas |
| 4 | Refresher Course: 'Violence in Literature' | UGC-ASC, University of Burdwan | 18.06.11 to 08.07.11 | UGC | Sudev Pratim Basu |
| 5 | Orientation Programme | Academic Staff College, Jadavpur University | 11.07.2011 to 06.08.2011 | UGC | Nilanjana Bhattacharya |
| 6 | Refresher Course: 'Texts and their Afterlives' | Academic Staff College, Jadavpur University | 14.11.11 to 03.12.11 | UGC | Ananya Dutta Gupta |
| 7 | Refresher Course: 'Nineteenth Century Literature' | Academic Staff College, Calcutta University & Department of English | 15.11.2011 to 05.12.2011 | UGC | Tapu Biswas |
| 8 | Refresher Course: '8 th Refresher Course in Comparative Literature' | UGC-ASC, University of Burdwan | 14.07.12 to 03.08.12 | UGC | Saurav Dasthakur |

| | | | | | |
|----|--|---|--------------------------|-----|------------------------|
| 9 | Refresher Course: '8 th Refresher Course in Comparative Literature' | UGC-ASC, University of Burdwan | 14.07.12 to 03.08.12 | UGC | Ananya Dutta |
| 10 | Refresher Course: '8 th Refresher Course in Comparative Literature' | UGC-ASC, University of Burdwan | 14.07.12 to 03.08.12 | UGC | Dipankar Roy |
| 11 | Refresher Course: | Academic Staff College, Calcutta University & Department of Bengali | 28.11.2013 to 18.12.2013 | UGC | Nilanjana Bhattacharya |
| 12 | Refresher Course: 'Comparative Literature Today' | Academic Staff College, Jadavpur University | 20.01.14 to 11.02.14 | UGC | Soma Mukherjee |
| 13 | Refresher Course: 'Media, Literature and Popular Culture' | Academic Staff College, Calcutta University & Department of English | 29.01.2014 to 19.02.2014 | UGC | Tapu Biswas |

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100 per cent. It is mandatory for all students of the department to undertake various in-house projects and multimedia presentations as part of the regular curricula of the discipline.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:**

This has little relevance for Language and literature disciplines. However, students of DEOMEL visit reputed universities, institutes, centres and organisations inside the country and abroad for various academic purposes, like attending seminar, symposia and workshops, visiting libraries and so on.

29. Awards / recognitions received at the national and international level by**a) Faculty:****Goutam Ghosal –**

- a) Received Nolini Kanta Gupta Smriti Puroshkar, Kolkata, 15 April 2009.
- b) Received First Prize, Pratibha Patil Poetry Award, 12 November 2009.
- c) August, 2012 – Awarded *Sri Aurobindo Puroshkar* from Sri Aurobindo Bhavan, Kolkata, for contribution to Sri Aurobindo Studies.

Somdatta Mandal –

- a) Received the Meenakshi Mukherjee Memorial Prize 2014 from Indian Association for Commonwealth Literature and Language Studies for the Best Scholarly Essay published in the year 2012-13.
- b) Received Fulbright Teaching Fellowship in 2009.
- c) Received Shastri Indo-Canadian Faculty Enrichment Fellowship in 2011.

b) Doctoral / post doctoral fellows: Nil**c) Students: Nil****30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

| Seminar/conferences/ Workshop Title | Dates | Source of funding (National/ International) | Outstanding participants |
|--|---------------------------|--|---|
| National Seminar on “Public and Private Space: Remembering Tolstoy and his Contemporaries” | 5-6 December, 2009 | UGC | Animism Kanti Pal renowned Russian scholar Prof. Purabi Roy renowned Russian scholar Prof. Shanta Dutta, Jadavpur University |
| National Seminar “Swadeshi Samaj: Rabindranath Tagore and the Nation” | 12-14 February 2010 | UGC (DRS-SAP) | Prof Kathleen O’Connell, University of Toronto Prof Makarand Paranjape, JNU Prof Himani Banerjee Prof Bikash Chakraborty, renowned Tagore scholar, Visva-Bharati |
| Workshop on “Teaching and Researching | 6-7 March, 2010 | Visva-Bharati (UGC Extension activity) | Prof. Usha Bande, Indian Institute of Advanced Studies, Shimla |

| | | | |
|--|---|---|---|
| Literature” | | | Prof. Himadri Lahiri, Burdwan University |
| National Seminar on “The Renaissance and its Afterlife” | 18-19 September , 2010 | UGC | Prof. Sukanta Chaudhuri, Prof. Supriya Chaudhuri, Prof. Amlan Dasgupta, Prof. Sarbani Choudhuri |
| National Level Workshop: “Translating Indian English Poetry into Bangla” | 6-7 th August 2011 | Visva-Bharati | Subodh Sarkar, renowned Bengali poet |
| International Seminar on “Literature and Cinema: Bollywood Connections” | 13 March 2011 | UGC | Phillip Lutgendorf, Anjali Gera Roy, Shoma A. Chatterjee |
| National Seminar: Children’s Literature: Sense and Nonsense | 29 January 2012 | Visva-Bharati Study Circle | Prof. Sibaji Bandyopadhyay, Centre for Studies in Social Sciences. Kolkata Prof. Amlan Dasgupta, Jadavpur University |
| International seminar: “Rabindranath Tagore and Translation” | 17-19 th February 2012 | UGC(DRS-SAP) and Sahitya Akademi | Prof. Jose Paz, University of Vigo, Spain Dr. Blanka Knotkova, Charles University, Prague Dr. Marzenna Jakubczak. University of Krakow, Poland Dr. Martin Kempchen, Renowned translator based in santiniketan Prof. Fakrul Alam. University of Dhaka Prof. Mahasweta Sengupta, EFLU, Hyderabad |
| International Seminar on “The Indian Self and its Forgotten | 18-19 February, 2013 | UGC | Dr. Blanka Knotkova, Charles University; Prof. Malini Bhattacharya; |

| | | | |
|--|----------------------|-----|--|
| Doubles: Tagore, Gender and Sexuality” | | | Pramita Mallik, Prof. Pushpa Mishra; Prof. R. Sivakumar |
| National Seminar on “Dickens and the Long Nineteenth Century” | 15-16 March, 2013 | UGC | Prof. Jharna Sanyal, Prof. Shanta Bhattacharya |
| Three-day National Level Translation Workshop on “Stories for Children and Young Adults” | 16-18 January, 2014 | UGC | Prof. Rimli Bhattacharya, Prof. Amlan Dasgupta, Chinmoy Roy, Prof. Udaya Narayana Singh |
| Three-day International Conference on “Beyond <i>Gitanjali</i> : Tagore, Poetry and Poetics” | 14-16 February, 2014 | UGC | Dr. Blanka Knotkova, Charles University, Prague; Prof. Samik Bandyopadhyay; Prof. Sharmila Roy Pommot; Prof. Fakrul Alam; Prof. Manzoorul Islam; Prof. Soumya Chakraborty; Prof. Kathleen O’Connell; |

31. Code of ethics for research followed by the departments:

As per University Rules.

32. Student profile programme-wise:

| Name of the Programme | Application Received | Selected | | Pass Percentage | |
|--|---|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| BA (Hons): 1 st + 2 nd + 3 rd years | Centrally received by VB CAT Committee since 2009 | 50 | 69 | 94.44% | 100% |
| MA: 1 st + 2 nd years | 760 | 38 | 53 | 94.44% | 96.42% |
| M Phil | 25 | 7 | 3 | 85.74% | 100% |
| Ph D | 48 | 11 | 12 | 90.90% | 91.67% |
| 2 year | German: 45 | 15 | 15 | 53.33% | 53.33% |

| | | | | | |
|---|------------|----|----|--------|--------|
| Certificate Course: Russian/ Italian/ German / French | French: 60 | 16 | 08 | 75.00% | 75.00% |
| | Russian: | | | | |
| | Italian: | | | | |
| 1 year Diploma Course: French, German, Russian, Italian | German: 0 | 0 | 0 | N/A | N/A |
| | French: 5 | 1 | 1 | 100% | 100% |
| | Italian: | | | | |
| | Russian: | | | | |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | | % of students from the same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|-----|--|--|---|------------------------------------|
| BA (Hons) | | 50% | N/A | N/A | 04.44% |
| MA | | 70% | 20% | 8% | 2% |
| M Phil | | 50% | 40% | 10% | 0% |
| Ph D | | 70% | 10% | 20% | 0% |
| 2 year Certificate Course: Russian/ Italian/ German / French | Ger | 70% | 25% | 5% | 0% |
| | Fre | 90% | 10% | 0% | 0% |
| | Ita | | | | |
| | Rus | | | | |
| 1 year Diploma Course: Russian/ Italian/ German / French | Ger | 100% | 0% | 0% | 0% |
| | Fre | 100% | 0% | 0% | 0% |
| | Ita | 100% | 0% | 0% | 0% |
| | Rus | 100% | 0% | 0% | 0% |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET: Gen – 16; SC – 1; ST – 0
- b) S(L)ET: Gen – 12; SC – 2; ST – 0
- c) Civil Services (WBCS): Gen – 5; SC – 3; ST – 2
- d) Defense Services (NDA): Gen – 1; SC – 0; ST – 1

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 80% |
| PG to M.Phil. | 10% |
| PG to Ph.D. | 25% |
| Ph.D. to Post-Doctoral | N/A |
| Employed | N/A |
| • Campus selection | 80%-90% |
| • Other than campus recruitment | |
| Entrepreneurs | 10% - 13% |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 10% |
| from other universities within the State | 80% |
| from universities from other States | 10% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | 01 |
| Ph.D. | 02 |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Seminar Library – totally run by the departmental teachers in their spare times with the help of student-volunteers. Library temporarily stationed at one end of the seminar hall, approximately 20 square meters/215.28 square feet; 2500 books approximately, some on loan from the central office, some bought with

money sanctioned by the university to the department, some books gifted by donors over the years including the Manjira Chattoraj Memorial Section. A separate section has been earmarked for the DRS Project on Tagore and East-West Confluence.

- b) **Internet facilities for staff and students:** The University has a LAN connection to certain rooms in the department. Not all rooms are covered and not all teachers have access to individual internet connected computer terminals. They have to share space with other teachers. The department also has two laptops which are used frequently for seminars and other portable computer needs. Students have their own computer centre at the centrally controlled Computer Centre. The department does give limited access to MPhil and Ph D students to access specific JSTOR and/or MUSE projects.
- c) **Total number of class rooms:** Five classrooms barely enough to seat 40 students. We have a large seminar hall where we take combined classes. We also go all over the university to various departments and/or schools to teach General English which is a compulsory subject for more-or-less the entire university students. We have to go to the neighbouring department of Japanese studies to take our weekly MPhil and PhD classes.
- d) **Class rooms with ICT facility:** Nil
- e) **Students' laboratories:** N/A
- f) **Research laboratories:** N/A

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university:**
- b) **from other institutions/ universities :**

| Sl. No. | Name | Host/Other Institutions | Topic of Research |
|---------|----------------------|-------------------------|--|
| 1 | Achyut Chetan | Host | Tracing the Missing Mothers: A Study of the Narratives of Women in the Constituent Assembly |
| 2 | Amalendu Chakraborty | Other | <i>Les figures de mot</i> : Stages of Interpretation and Comparison with Indian Poetics |
| 3 | Amitayu Chakraborty | Host | Nationalism, Ethnicity & the Nation State in Kenya: A Study of Select Works of Ngugi wa Thiong'o |
| 4 | Anindita Chongdar | Host | 'Sense of a Community': Santiniketan in Memoirs |
| 5 | Anirban Das | Host | Investigating Spaces: Changing Face(t)s of the Country and the City in Byomkesh and |

| | | | |
|----|---------------------|-------|--|
| | | | Feluda Stories |
| 6 | Anubhuti Mishra | Host | Investigating Trauma in 20 th Century African American Short Fiction |
| 7 | Arindam Ghosh | Other | An Ecocritical Reading of Ted Hughes, Seamus Heaney and Dylan Thomas |
| 8 | Arup Shankar Misra | Host | Problems of Adaptation: Ibsen, Chekhov, Pirandello and Brecht on Bengali Stage 1952- 1971 |
| 9 | Arupa Lahiri | Other | Identity, Gender and the Performing . |
| 10 | Biswanath Banerjee | Host | Science, Nation, Literature: Acharya Prafulla Chandra Roy and Postcoloniality |
| 11 | Chandrima Das | Host | Crime and the Colony: The Intersection of Crimimal and Colonial Discourses in the 18 th Century |
| 12 | Debalina Banerjee | Other | ‘Mother’ and ‘Wife’ : Interrogating Stereotypes in Five Indian English Women Novelists |
| 13 | Debapriya Goswami | Host | A Study of the Controversy of Sri Aurobindo’s Rhetoric of Poetry |
| 14 | Debapriya Paul | Other | The Imperial Act: Theatricality in the Fiction of the ‘Indian Mutiny’ of 1857 |
| 15 | Debayan Deb Burman | Host | Alternative Theatres in India: A Comparative Study of Utpal Dutt’s Poster Plays, Safdar Hashmi’s Nukkad Natak and Badal Sarkar’s Third Theatre |
| 16 | Debmalya Das | Host | Cosmopolitanism and the Print Space: Rabindranath Tagore, Santiniketan and the <i>Visva Bharati Quarterly</i> |
| 17 | Gargee Ghosh | Host | Choosing not to be a Man: Representations of Hijra in Contemporary Indian Culture |
| 18 | Indira Bhattacharya | Host | Globalization, Multiple Histories and Contested Identities: Assessing the Fiction of Shauna Sing Baldwin, Rohinton Mistry and Anita Rau Badami |
| 19 | Jagriti Sengupta | Other | Chronicles of Infinite Justice: Arundhati Roy’s Radical Critique of Contemporary India |
| 20 | Madhumita Roy | Host | Rabindranath Tagore’s Engagement with |

| | | | |
|----|-------------------------------|-------|--|
| | | | Science |
| 21 | Parantap Chakraborty | Host | The Politics of Nonsense: Sense from the Margins |
| 22 | Priyadarshini Chakrabarti | Host | Retrospection as Protest by Women: Select African American Slave Narratives and Dalit Autobiographies |
| 23 | Rahul Chakraborty | Other | Evaluating English Vampire Fiction of the 19 th Century: An Ecofeminist Approach |
| 24 | Rakhi Das Mohanta | Host | Representations of the Emergency in Select Indian English Fiction |
| 25 | Rakhiparna Ghosh | Host | Ecological Concerns in Select Works of 19 th Century Women Novelists |
| 26 | Raktim Mukherjee | Other | Nature, Woman and the Marginalized: Postcolonial Ecofeminism in the Select Works of Indian English Women Novelists |
| 27 | Rita Sarkar | Host | Indian Graphic Narratives: The Politics of Representation |
| 28 | Ritwik Banyopadhyay | Other | Gothic Elements in Select 20 th Century Popular Literature |
| 29 | Sagarika Dutta | Host | National History, Personal Memory and Trauma in Select South Asian Fiction |
| 30 | Samipendra Banerjee | Other | Post-independence Indian Drama in English: Studies in Nation and Gender |
| 31 | Shangsit Goswami | Other | <i>The Mahabharata</i> : Myth, Histories, Representations |
| 32 | Shinjini Ghoshal | Other | Re(de)ducing Sherlock Holmes through the Select Concepts of Schopenhauer, Nietzsche and Freud |
| 33 | Srideep Mukherjee | Other | Representations of the Dalit i Select Indian Drama in English and English Translations from Tagore to Karnad |
| 34 | Sriparna Chatterjee | Other | Representation of the Subaltern in Amitav Ghosh's Works |
| 35 | Subhajit Chowdhury | Other | <i>Gitanjali</i> in Russian: Evaluation and its Reception |
| 36 | Subhankar Ghosh Roy Chowdhury | Other | The Third Theatre: Problems of Production and Reception |

| | | | |
|----|------------------------|-------|--|
| 37 | Subhojit Das | Host | Rammohan Roy, Guisepe Mazzini and Ralph Waldo Emerson: A Study in Three Faces of Nationalism |
| 38 | Suchismita Ghosh | Host | Cultural Politics of Globalized India: A Study in Select Contemporary Indian English Fiction |
| 39 | Sukanya Ray | Host | The Living Crusoe: Strategies of Representation in 20 th Century Robinsonades |
| 40 | Sumana Gupta | Other | 'At Home in Diaspora': Changing Perspectives in the Fiction of Bharati Mukherjee, Chitra Banerjee Divakaruni and Jhumpa Lahiri |
| 41 | Suranjima Saha | Host | Writing in the Contct Zone: Indian Travellers to Britain 1857-1957 |
| 42 | Tamoghna Chattopadhyay | Host | The English Textbook in Select Secondary Schools in West Bengal: Policy and Praxis |
| 43 | Uttam Kumar Mondal | Other | The Short Stories of Thomas Hardy: A New Historicist Perspective |

40. Number of post graduate students getting financial assistance from the university: 10
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Workshops, seminars; democratic bodies like BOS meetings, meetings with students, teachers' committee meetings, external experts meetings, institute board, academic council, UGC board, etc.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:
Yes; these databases are used as templates for new/revised curricula/syllabi and teaching/evaluating methodologies.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:
Each semester students sit with the co-ordinators of each paper and answer the questions as the proper way of finishing the syllabi and other academic related activities.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:

Former students who are now academics are often asked to set questions and take mock tutorials to test the knowledge of the students.

43. List the distinguished alumni of the department (maximum 10):

- a) Supriyo Tagore — eminent educationist, Principal of Patha Bhavana, the Visva-Bharati School, for many years. Now associated with alternative teaching methods with his school Shishu-Tirtha near Santiniketan.
- b) Pramita Mullick—internationally famous Rabindra-Sangeet singer.
- c) Arundhati Ghose— former Indian Diplomat, Head of Indian delegation to the CTBT.
- d) Swastika Mukhopadhyay— internationally famous Rabindra-Sangeet expert, currently Professor of Rabindra-Sangeet at Sangeet Bhavana, Visva-Bharati.
- e) Mahasweta Sengupta— famous academic associated with the English & Foreign Languages University, Hyderabad, a Central University.
- f) Gautam Sengupta— famous linguistics expert now with Centre for Applied Linguistics and Translation Studies, University of Hyderabad.
- g) Shyamal Bagchee— famous academic now at Dept. of English & Film Studies, University of Alberta, Canada.
- h) Navaratna Pradhan— eminent educator from Kalimpong; Principal of The Scottish Universities Mission Institution, Kalimpong, West Bengal; winner of the National ‘Rashtriya Gaurav’ Award.
- i) Suparno Banerjee— bright young academic, Assistant Professor at Dept. of English, Texas State University, USA.
- j) Sahana Bajpaie— bright young academic, Teaching Fellow in Bengali, at Dept. of the Languages and Cultures of South Asia, SOAS, University of London, UK.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Under the financial assistance of Visva-Bharati, UGC and other agencies, the department organises at least four international/national seminars and symposiums every year. Please see Item. 30 for details.

45. List the teaching methods adopted by the faculty for different programmes:

Lectures, demonstrations, power-point presentations, tutorials, contact hours, supply of reading material on paper and digital devices, seminars, workshops, lecture-demonstrations, colloquiums, performances, study tours, excursions, internal assessments, inter departmental lectures etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Through rigorous control over classroom monitoring by the HOD and every paper has

a co-ordinator whose duty it is to interact with students to find out what portion of the syllabi is covered.

47. Highlight the participation of students and faculty in extension activities:

The faculty members of the department are actively involved to train the local school and college teachers. The students also go on annual study tours for cultural exchange between the various parts of India.

48. Give details of “beyond syllabus scholarly activities” of the department:

Beyond classroom teachings, the faculty members organised various seminars, workshops, colloquium, symposiums, performance oriented lecture-demonstration. Workshops on translations are a regular feature of the department where teachers and students alike participate. Educational excursions and study tours to various places of India enrich and freshens the minds of both faculty and students. Faculty members actively participate in Kolkata International Book-fair, Production of plays included in the syllabus, beyond the syllabus. Compatible with the themes of Refresher Courses and Seminars involving present students of the Department, in order to understand performance as literary and cultural interpretations of classical and modern texts have been carried on consistently since 1995. As appropriate for Visva-Bharati and for a Department that also teaches modern European languages, plays by Tagore, both in Bengali and in English translations and European drama has been presented before a national and international audience. Faculty members are also actively involved in repertoire amateur theatre based in Kolkata and Santiniketan. Professor Abhijit Sen was involved in the first performance of *Natyam*'s “Tasher Desh” at Rabindra Sadan, Calcutta on 3rd August 2005.. He was the director of the play. He also presented the prose play by Tagore as a polemical piece against any form of repressive regimentation and having relevance in the contemporary world. Subsequent performances followed, including one at Gitanjali, Santiniketan, given on 10 December 2005. The project funded by the Ministry of Culture, Government of India. The department frequently publishes monographs, internet e-books.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:

Yes; the department is a proud holder of the UGC-DRS for the last five years. Some government agencies also frequently lend their collaborative hands to host seminars, symposiums etc. like Sahitya Akademi, USEFI, British Council, etc.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Translating the source language from English to Bengali; from Italian to Bengali,

English and Hindi and vice versa; from German to Bengali and English and vice-versa, from Russian to Bengali and English and vice-versa, from French to Bengali and English and vice versa. Performance based texts also help in generating new knowledge as well as the department and faculty publications attest the growth and dissemination of new knowledge via departmental publications.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) A unique feature of the pedagogy of this department, which has faculty members specializing in French, German, Italian and Russian literature and cultures, is the study of English Literature in the European context.
- ii) Compulsory components, at the undergraduate and postgraduate levels, include American studies, Tagore's works, Literary Criticism and Theory.
- iii) Optional papers, at the undergraduate and postgraduate levels, address a wide range of issues and reflect the research interests of its faculty. This includes the study of emerging fields like Canadian and Australian Studies, Diaspora Studies, Ecocriticism, Gender and Queer Studies, etc.
- iv) The course of study in the department has facilitated our students to apply for study abroad and they have been recipients of prestigious fellowships like Felix, Nehru- Fulbright, Inlaks-Sivdasani and Commonwealth.
- v) The multidisciplinary approach to studies in DEOMEL has encouraged students to excel in professional fields like journalism and media, apart from pursuing vocations in academic institutions, at national and international levels. The department has also honed the performance skill of the students who have participated in multi-lingual cultural programmes at intra and inter university levels.

b) Weaknesses:

- i) No ELT trained faculty. This is a crucial problem since General English classes are compulsory across Bhavanas.
- ii) No Language laboratory for Modern European Language classes.
- iii) No librarian for the departmental library.
- iv) Inadequate infrastructural facilities.
- v) No aid or facility, the use of Braille for instance, for students with special needs.

c) Opportunities:

- i) Scope for cutting-edge interdisciplinary research.
- ii) Interaction with visiting foreign scholars.
- iii) Development of language and communicative skills necessary for

professional competence.

- iv) Faculty and research scholars are capable of undertaking private- public funded projects in the fields of education, language-development opportunities.
- v) The strength of the faculty, in terms of research potential, makes DEOMEL uniquely suited for collaborative projects with foreign universities which can be facilitated through the Visva-Bharati MoU Committee.

d) Challenges:

- i) To equip first generation learners with English language comprehension skills.
- ii) To assist students from underprivileged conditions who opt for studying in DEOMEL.
- iii) To develop soft-skill competence for students so they can find jobs in private-public enterprises
- iv) To inspire average students to go for higher education and research instead of aiming only at primary and secondary level school teaching as their aim in life.
- v) To instill self-confidence in students who do not have much exposure to pan-Indian or urban institutions so that they can face peer pressure when they leave Santiniketan.

52. Future plans of the department:

- a) The department is committed to continue and improve its standing through continuation from UGC-DRS to UGC-DSA and beyond to the final step of Centre for Advanced Study.
- b) To open courses in European Studies with undergraduate, postgraduate, MPhil and PhD. We also have plans to introduce full-fledged undergraduate and postgraduate courses in French, German, Italian, and Russian Languages and Literatures. As, in our department, we already possess skills and potential in specialised areas like Eco-Criticism, Canadian Studies, Hispanic Studies we are keen to start collaborative projects with foci on these areas. We hope to enter into collaboration with Gandhi-Darshan, New Delhi and OSLE-India.
- c) We wish to build up a world class facility for the systemic historical and cultural study of the unique literary, intellectual, social and academic mix that Santiniketan and Visva-Bharati embody.
- d) We are also interested in starting an ELT course which will cater to the huge demand of developing English skills at the school and college levels in and around Birbhum.
- e) The department has plans to start outreach programmes involving teachers

teaching in local schools and their students. These programmes will focus on developing teaching skills, interactive skills and artistic potential of the candidates.

- f) The department has plans to develop a career counselling cell for students and scholars alike.
- g) We also plan to set up a fully functional, state-of-the-art psychological support centre for the students residing in and around the campus.

Evaluative Report of the Department of Sanskrit, Pali & Prakrit

1. **Name of the Department :** Sanskrit, Pali & Prakrit
2. **Year of establishment :** 1951
3. **Is the Department part of a School/Faculty of the university?** Yes, Part of Bhasha-Bhavana (Institute of language, literature and Culture).
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, M.Phil, Ph.D, D.Litt., Certificate Course in Sanskrit, Pali and Prakrit; Diploma in Sanskrit and Pali, Advanced Diploma in Sanskrit and Pali; Foreign Casual Course in Sanskrit.
5. **Interdisciplinary programmes and departments involved :**
Certificate Course in Manuscriptology and Paleography in collaboration with Rabindra Bhavana, Visva Bharati.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Association with Burdwan University vis-à-vis Vedic Studies, Indian Philosophy & Sanskrit Drama and Dramaturgy.
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester & Choice Based Credit System
9. **Participation of the department in the courses offered by other departments :**
Certificate Course in Manuscriptology and Paleography in collaboration with Ravindra Bhavana, Visva Bharati
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 02 | 02 | 06 |
| Associate Professors | 03 | 03 | 01 |
| Asst. Professors | 09 | 08 | 06 |
| Others | NA | NA | NA |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Prof. Lalita Chakraborty (HoD)
 Qualification : Ph.D
 Designation : Professor
 Specialization : Nyaya Vaisesika, Indian Philosophy
 No. of Years of Experience : 17
 No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- b) Name : Prof. Narottam Senapati
 Qualification : Vidya varidhi (Ph.D)
 Designation : Professor
 Specialization : Nyaya, Grammar
 No. of Years of Experience : 29
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- c) Name : Prof. Niradbaran Mondal
 Qualification : Ph.D
 Designation : Professor
 Specialization : Indian Philosophy, Pali
 No. of Years of Experience : 38
 No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- d) Name : Prof. Mridula Roy
 Qualification : Ph.D
 Designation : Professor
 Specialization : Poetics, Grammar, Literature
 No. of Years of Experience : 27
 No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- e) Name : Prof. Arun Kumar Mondal
 Qualification : Ph.D
 Designation : Professor
 Specialization : Poetics, Grammar, Prakrit, Literature
 No. of Years of Experience : 27
 No. of Ph.D./M.Phil. students

- guided for the last 4 years : 05
- f) **Name** : Prof. Jagatram Bhattacharya
Qualification : M.Phil., Ph.D
Designation : Professor
Specialization : Prakrit, Linguistics
No. of Years of Experience : 24
No. of Ph.D./M.Phil. students
guided for the last 4 years : 05
- g) **Name** : Prof. Aruna ranjan Mishra
Qualification : M.Phil, Ph.D
Designation : Professor
Specialization : Classical Sanskrit, Modern Sanskrit, Poetics
No. of Years of Experience : 24
No. of Ph.D./M.Phil. students
guided for the last 4 years : 05
- h) **Name** : Dr. Niranjana Jena
Qualification : Ph.D
Designation : Associate Professor
Specialization : Veda, Literature, Purana
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students
guided for the last 4 years : 05
- i) **Name** : Dr. Harekrushna Mishra
Qualification : M.Phil, Ph.D
Designation : Assistant Professor
Specialization : Veda and Dharmasastra
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students
guided for the last 4 years : 04
- j) **Name** : Dr. Sanjay Kumar Mondal
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Indian Philosophy
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students
guided for the last 4 years : 02

- k) Name : Dr. Gargi Bhattacharya
 Qualification : M.Phil, Ph.D
 Designation : Assistant Professor
 Specialization : Vedanta, Manuscriptology
 No. of Years of Experience : 10
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- l) Name : Dr. Laxmidhar Malik
 Qualification : M.Phil., Ph.D
 Designation : Assistant Professor
 Specialization : Linguistics, Purana
 No. of Years of Experience : 07
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- m) Name : Dr. Pritilaxmi Swain
 Qualification : M.Phil, Ph.D
 Designation : Assistant Professor
 Specialization : Grammar
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- n) Name : Dr. Rampramol Kumar
 Qualification : M.Phil, Ph.D
 Designation : Assistant Professor
 Specialization : Literature
 No. of Years of Experience : 02
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
 Prof. Prabhunath Dwivedi, Varanasi.
13. Percentage of classes taken by temporary faculty — programme-wise : Nil
14. Programme-wise Student Teacher Ratio :
- a) UG : 10:01
 b) PG : 07:01
 c) Ph.D. : 04:01

- d) Certificate, Diploma, Advanced Diploma, Foreign Casual Course, in Sanskrit, Pali : 01:01

15. Number of academic support staff (technical) and administrative filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|---------------------------------------|
| Administrative Staff | 01 | 01 | 02 (01-Sanctioned 01-Temporary) |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

Department offers two Specialisations-Classical Sanskrit and Indian Philosophy. However, Vedic studies happen to be a thrust area funded by UGC under Major Research Project scheme.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

a) PROF. JAGAT RAM BHATTACHARYA

Project submitted – Editing of the Praśnavyākaraṇa- A lost Jaina treatise - A major research project sponsored by the ICPR. The project was submitted in December, 2012. A sum of Rs 5 lakh was granted by the sponsoring agency.

b) DR. HAREKRUSHNA MISHRA

A Micro Level Study on Paippaladins of Eastern India. UGC- MRP 2009-2011, Grant Rs.5,40,000/-

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

- “Poetic Art of P.K.Mishra” a project completed (in 2014) by Prof.A.R.Mishra in collaboration with Dr. Madhusudan Mishra of Shailabala Women’s College, (Autonomous) Cuttack, Odisha and Bibhutibhusan Mohapatra, Rajdhani College, Utkal University, Bhubaneswar.
- Deciphering Sanskrit Manuscripts written in Bengali Scripts was done by Ganganath Jha Research Institute, Allahabad in collaboration with Department of Sanskrit, Pali & Prakrit, Visva Bharati. Prof. A.K.Mondal was the leader of the team that visited Allahabad for the purpose. (September 2011).
- Hundred Lectures on Vedas in collaboration with Maharshi Sandipani

Rashtriya Veda Vidya Pratisthan, Ujjain is in the offing.

b) **international collaboration:** Not any as yet

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** A Literary Assesment, A project finalized by BOS (Sanskrit) as a Departmental SAP Project of UGC.

20. **Research facility / centre with**

a) **state recognition :**

b) **national recognition:**

The Department has faculties seriously active in the Research for which it enjoys national recognition. It is regularly represented at different national forum of Sanskrit studies like All India Oriental Conference, Pune, Kalidasa Samaroha, Ujjain, Centre of Advanced Study in Sanskrit, University of Pune.

c) **international recognition:**

Department is regularly represented at different international forum of Sanskrit studies by its faculty members.

21. **Special research laboratories sponsored by / created by industry or corporate bodies:**

Proposing a Language Laboratory after shifting to the new bulding.

22. **Publications:**

a) **No. of papers published in peer reviewed journals (national/international):** –

| Name | National | International |
|------------------------------------|-----------------------|---------------|
| Prof. Arun Ranjan Mishra (HoD) | 16 | 1 |
| Prof. Narottam Senapati | - | - |
| Prof. Niradbaran Mondal | Rtd. on April 2013 | Rtd. |
| Prof. Mridula Roy | 5 | - |
| Prof. Arun Kumar Mondal | 8 | - |
| Prof.Lalita Chakraboty | 6 | - |
| Prof. Jagatram Bhattacharya | 11 | 2 |
| Dr. Niranjan Jena | 11 | - |
| Dr. Harekrushna Mishra | 9 | - |
| Dr.Sanjay Kumar Mondal | 2 | - |
| Dr.Gargi Bhattacharya | 8 | - |

| | | |
|----------------------|---|---|
| Dr. Laxmidhar Malik | 6 | - |
| Dr. Pritilaxmi Swain | 5 | 1 |
| Dr. Rampramol Kumar | | - |

b) **Monographs:**c) **Chapters in Books:****Prof. Lalita Chakraborty –**

- i) Siva Literature and Religion : An overview of Siva-Purana, The Religion and Literature : Indian Perspectives, Ed: Dr. Prajit Kr. Palit, ISBN: 978-81-7479-119-1.

Prof. Arun Kumar Mondal –

- i) Mahimabhattachasammataasya Sampradanatattvasya Samiksha, Sumedha, 2010-11.
- ii) Spirituality is the Highest Weal: A Jaina Perspective, in the 'Dimensions of Buddhism and Jainism', Professor Suniti Kumar Pathak Felicitation Volume, Vol.-2, Published by Sanskrit Book Depot, Kolkata, September 2009.
- iii) Visvabharatir Punthi : Kendriya Visvavidyalaya-Purva Parva' a chapter in a book titled 'Rabindranather Santiniketan O Sriniketan' edited by Tapan Som, Published by Deep Prakashan, 209 A Bidhan Sarani, Kolkata-6, 2010.

Prof. Mridula Ray –

- i) Published a paper titled "Prajna in Yoga and Buddhist Philosophy" in the 'Dimensions of Buddhism and Jainism', Professor Suniti Kumar Pathak Felicitation Volume, Vol.-1, Published by Sanskrit Book Depot, Kolkata, September 2009.
- ii) A paper titled 'Kuntakasammata Varnavinyasavakrata' is published in the Journal 'Sumedha' Vol.-2 of the Department of Sanskrit, Pali and Prakrit, Visva-Bharati, Santiniketan in March 2012.

Prof. Jagat Ram Bhattacharyya –

- i) Jainism and Jain Manuscripts, 45-52, Manuscript and Manuscriptology in India; SG Nandi, PK Palit; 2010, ISBN: 978-81-7479-105-4.

Dr. Harekrushna Mishra –

- i) Forms of Marriage: A study on Vedic Practices on tribal Perspectives, Pp97-107 Sumedha Research Journal of Deptt. Of Sanskrit, Visva Bharati.
- ii) Some observation son Modern Sanskrit Creative Writings, pp-25-26 Creative Writings in Sanskrit: Twentieth century Perspectives Ed. A.K. Mondal pub. Register, VB.
- iii) Angirasa kalpa: A Study, Pp134-146, 2010 Manuscript and Manuscriptology ISBN: 978-81-7479-105-4.

- iv) Atharvanic Sammanasyas and Family Harmony pp.169-173 New Dimensions in the Atharva Veda, ISBN: 81-7702-025-0.
- v) Akalikepsa: Karmakandiyasamadhanam, pp-31-33,2009 UGC Sponsored National seminar on Faliure of Vedic Mantras in the Current Society.
- d) **Edited Books:**
- e) **Books with ISBN with details of publishers:**
 - Prof. Lalita Chakraborty –**
 - i) Bhasarvajna and Nyayasara, Akshar Prakashani, Bolpur, 2012, ISBN:978-81-92291604.
 - Dr. Harekrushna Mishra –**
 - i) Proximity' (A Collection of Articles on Vedic and Tribal Systems of Odisha), Pratibha Prakashan, New Delhi, ISBN : 978-81-7702-301-5.
 - ii) Human Marriage : A Comparative Study of Vedic and Tribal Systems of Odisha, Pratibha Prakashan, New Delhi, ISBN : 978-81-7702-300-8.
 - iii) Atharvanic Manuscripts of Orissa, Mandal book Seller and Publication, Santiniketan, 2009.
 - Dr. Ram Pramol Kumar –**
 - i) "Sanskrit Rupko Mein Purva Ranga Vidhan." Published by Shivalik Publication, Shakti Nagar, Delhi-110007, 2010, ISBN NO. 81-88808-45-8.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:**
 - a) Department has decided to teach and give consultancy for Spoken Sanskrit, aspects of Cultural Tourism and Sastric Meditation to interested public for generating some income.
 - b) It has also decided to make translation of ancient books of Modern relevance for the purpose.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Prof. Jagat Ram Bhattacharyya –

| Title of Lecture/ Academic Session | Title of Conference/Seminar etc | Date(s) of the event | Organised by | Whether International/ National |
|---|--|---------------------------------|--------------------------|--|
| Prakrit – Its origin and Development | Frontier Extension Lecture Series | December, 17, 2010 | Calicut University | National |
| Introduction to Research Methodology | Lecture in the Refresher course | March, 21 2013 | GGD University, Bilaspur | National |
| Library based Research and Practical aspect of Research | Lecture in the Refresher Course | March, 22 2013 | GGD University, Bilaspur | National |

Prof. Aruna Ranjan Mishra –

| Title of Lecture/ Academic Session | Name of the Post | Date(s) of the event | Organised by | Whether International/ National |
|---|-------------------------|---------------------------------|---|--|
| Talked everyday two hours on Meghadutam and prepared a monograph entitled 'Talks on Meghadutam' | Visiting | 13.03.10 to 20.03.10 | Centre of Advanced Study in Sanskrit | National |
| Talked everyday two hours on Modern Sanskrit Literature | Visiting Fellow | 30.03.12 | Dept. of Sahitya, Sanskrit University, Puri | National |

26. Faculty serving in

a) National committees:

Prof. Lalita Chakraborty –

- i) Asiatic Society, Kolkata
- ii) Sanskrita Sahitya Parisat, Kolkata
- iii) ICPR

iv) Ramakrishna Mission Institute of Culture, Golpark, Kolkata.

Prof. Aruna Ranjan Mishra –

- i) One of the panel advisers (on National Level) of Sahitya Akademi, New Delhi for the Akademi Award in Sanskrit.
- ii) Life Member, Drg Bharati, Allahabad.
- iii) Life Member, Indian Intellectual Tradition, CASS, Pune.
- iv) Life Member, “Sagarika”, Sagar (M.P.)
- v) Life Member, AIOC, Pune.

Dr. Niranjan Jena –

- i) Life Member of Bhandarkar Oriental Research Institute (BORI), Pune, Serial No. 2504, since 11-10-2002.
- ii) Life Member of All India Oriental Conference (AIOC), since 2008.

Dr. Gargi Bhattacharya –

- i) Life Member of Asiatic Society, Kolkata
- ii) Life Member of AIOC, BORI, Pune

b) International committees: Nil

c) Editorial Boards:

Prof. Jagat Ram Bhattacharyya –

- i) Editor of Tulsī Prajñā - A Peer Reviewed research journal of Jain Vishva Bharati University, Ladnun – 341 306, Rajasthan from 1998 to 2012.

d) Any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) Prof. Lalita Chakraborty attended workshop on Navya nyaya at ICPR, Lucknow on 2-13 Sept. 2010.
- b) Dr Laxmidhar Malik attended Orientation Programme: University of Burdwan, Aug.12 – 02 Sept, 2010.
- c) Dr Laxmidhar Malik attended Refresher Course in Aesthetics : Eastern and Western, Jadavpur University, Aug.12 – 02 Sept, 2010.
- d) Dr Gargi Bhattacharya attended Refresher Course in Aesthetics : Eastern and Western, Jadavpur University, Aug.12 – 02 Sept, 2010.
- e) Dr Niranja Jena attended workshop on Recitation of Ancient Indian texts at School of Vedic Studies, Rabindra Bharati University, 27-31 Dec, 2010.
- f) Dr Niranja Jena attended Refresher Course in Women Studies, University of Burdwan, Feb.10 – 02 March, 2011.
- g) Dr Sanjay Kumar Mondal attended Refresher Course in Women Studies, University of Burdwan, and Feb.10 – 02 March, 2011.
- h) Dr Priti Laxmi Swain attended Refresher Course in Women Studies, University of

Burdwan, Sept 03 - 30, 2011.

- i) Prof. Lalita Chakraborty attended workshop on Methodology of Navya Nyaya on 20-30 June, 2012 at Golpark RKM Institute and ICPR, Kolkata.
- j) Dr Laxmidhar Malik attended workshop on Conservation of Manuscripts, NMM, New Delhi, 9-13 Sept. 2012.
- k) Workshop on Applied Sanskrit was conducted in the Department involving all the faculty members from 21 – 30 August, 2013.
- l) Dr Ram Pramol Kumar attended Refresher course in ASC, Burdwan University, Dec 04- 24, 2013.
- m) Dr Hare Krushna Mishra attended Refresher course in ASC, Burdwan University, Dec 04- 24, 2013.
- n) Dr Sanjay Kumar Mondal attended Refresher course in ASC, Burdwan University, Dec 04- 24, 2013.
- o) Dr Ram Pramol Kumar attended and presented a paper on 'Origin and development of Bhikkhuni Sangha' in International Seminar on "Bhikkhuni Sangha and its importance in Buddhism" Visva- Bharati, Feb. 07 -09, 2014.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** UG Students - 100% (Environmental Studies), PG Students – 100% (Prakrit Project)
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Arunaranjan Mishra :

- i) Awarded, 'Vikram-Kalidasa Puraskar' along with a cash prize of Rs. 5000/- only as my article "Traces of Meghadutam in Bhamaha's Kavyalankarah" was considered the Best Paper in the Senior (above 50) category at the Kalidasa Samaroha (29.10.09 to 04.11.09) organized by Kalidasa Academy and Vikram University, Ujjain.

b) Doctoral / post doctoral fellows: Nil

c) Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Name of programme | Topic | Date | Resource Person |
|-------------------|-------------------|------------|-------------------------|
| Annual Seminar | Pali And Buddhism | 24.03.2012 | Prof. Sukomal Chaudhury |

| | | | |
|---------------------------|--------------------------------------|-----------------------|--------------------------------------|
| Interdisciplinary Seminar | Mental Health | 14.02.2012 | Prof. Harish Chandra Mishra |
| Career Counseling | | 29.03.2012 | Prof. Satyajit Layek |
| Annual Seminar | Folk Elements in Abhijnanasakuntalam | 07.03.2013 | Prof. S.N. Chakraborty |
| Special Lecture | Applied aspects of Sanskrit Grammar | 15.07.2013 | Prof. Karunasindhu Das |
| 10 days Workshop | Applied Sanskrit | 21.08.2013-30.08.2013 | Tapan Kumar Panda, Jayprakash Sastri |

31. Code of ethics for research followed by the departments:

As per University Ph.D Ordinance: RET, Pre-Ph.D seminar, Pre-submission Seminar, Viva-voce etc.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | | | | | |
| PG | 246 | 16 | 30 | 6.5% | 12.1% |
| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
| | | Male | Female | Male | Female |
| Ph.D | 67 | 11 | 06 | 16.4% | 8.95% |
| Certificate Course in Sanskrit, Pali | 07 | 2 | 5 | 28.5% | 71.4% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 0% | 99% | 1% | 0% |
| PG | 74% | 26% | 0% | 0% |

| | | | | |
|------|-----|-----|-----|----|
| Ph.D | 50% | 31% | 17% | 2% |
|------|-----|-----|-----|----|

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET : 18
b) SET : 08

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|--|
| UG to PG | 99% |
| PG to M.Phil. | 0% |
| PG to Ph.D. | 6% |
| Ph.D. to Post-Doctoral | 0% |
| Employed | Other than campus recruitment : 70% (approx) |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | 20% (approx) |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 7% |
| from other universities within the State | 36% |
| from universities from other States | 57% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) Library: Yes
b) Internet facilities for staff and students: No
c) Total number of class rooms: 05
d) Class rooms with ICT facility: Nil
e) Students' laboratories: NA

f) **Research laboratories:** NA

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university':** 41
- b) **from other institutions/ universities :** 17

40. Number of post graduate students getting financial assistance from the university:

Two students in MA I class are awarded University scholarship on merit basis. The best two students in MA I (Semester I and II) get the same in their in MA II class.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes

- a) Yes – the department has developed two new programmes, i.e. M.Phil in Sanskrit and Certificate course in Prakrit. The need for the first programme was felt since our students usually take trouble of migrating to other universities for this degree. This degree is also necessary for admission into Ph.D programme and also for getting weightage in job selection procedures.
- b) Since Prakrit is considered an endangered language the concerned programme was necessary especially when students are interested and expert faculties are available in the department.
 - i) M.Phil (Migration of students after PG to other Universities for M.Phil; Value of M.Phil in Career Assessment).
 - ii) Certificate course in Prakrit.

Methodology:

 - i) Developing a course structure with approval of Academic council afterwards.
 - ii) Written and Viva-voce method of selecting students.

42. Does the department obtain feedback from

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes; utilizes through reformatory classes.
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes; utilizes through reformatory classes.
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes; utilizes through reformatory classes.

43. List the distinguished alumni of the department (maximum 10):

- a) Prof. Krishnanath Chatterjee
- b) Prof. Sanjukta Gupta

- c) Prof. Rajeswar Sharma
- d) Reverend Dhammisara
- e) Prof. Gopabandhu Mishra
- f) Prof. Piyali Palit
- g) Prof. Srutidhara Chakraborty

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

| Name of programme | Topic | Date | Resource Person |
|---------------------------|-------------------------------------|-----------------------|--------------------------------------|
| Annual Seminar | Pali And Buddhism | 24.03.2012 | Prof. Sukomal Chaudhury |
| Interdisciplinary Seminar | Mental Health | 14.02.2012 | Prof. Harish Chandra Mishra |
| Career Counseling | | 29.03.2012 | Prof. Satyajit Layek |
| Annual Seminar | Folk Elements in Abhijnanasauntalam | 07.03.2013 | Prof. S.N. Chakraborty |
| Special Lecture | Applied aspects of Sanskrit Grammar | 15.07.2013 | Prof. Karunasindhu Das |
| 10 days Workshop | Applied Sanskrit | 21.08.2013-30.08.2013 | Tapan Kumar Panda, Jayprakash Sastri |

45. List the teaching methods adopted by the faculty for different programmes:

- a) Dialogue
- b) Diagram
- c) Text Analysis
- d) Interactive session

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Through a monitoring committee.

47. Highlight the participation of students and faculty in extension activities:

NSS, NCC, Cultural Programme, Sports

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Outside seminar paper presentation
- b) Workshop on Applied Sanskrit
- c) Study tour
- d) Writing in Magazines and Newspapers

- e) Extra mural lectures
- f) Identifying Texts from Manuscript to prepare Catalogue

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The faculty members of the department besides their regular teaching activities put their research acumen to the following frontiers of research which generates new knowledge in the field of Sanskrit studies.

- a) Research Production in Modern Sanskrit Literature
- b) Post Modern Sanskrit Literature
- c) Environmental Indology,
- d) Poetology
- e) Modern Approach to Ancient Indian Texts
- f) Deciphering texts from the Manuscripts and preparation of Text-Critical
- g) Edition
- h) Research on Gaudiya Vaisnavism
- i) Research on Socio-cultural movement and ritualistic overtones (Vedic and Post Vedic).

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Department has a good number of foreign students in Certificate, Diploma, Advance Diploma, Foreign Casual Courses and a large number of PhD Students enrolled (Aprox: 60).
- ii) For quality improvement in class teaching, faculty members are facilitated to participate in National and International activities.
- iii) Department is adorn with a Traditional scholars.
- iv) Good number of research scholars and students in UG and PG sections (more than 300) add to the confidence of the deartment.
- v) Senior faculties are regularly available to attend the younger ones with the intricacies of ancient and rare texts.
- vi) Faculty members of the Department are the unhesitating parts of the Unity of thought and action for the service of Sanskrit language.

b) Weaknesses:

- i) The department is in need of adequate number of rooms for all our classes and computers to all our faculties.

- ii) It needs other electronic appliances for class-room teachings.
- iii) It needs independent internet facility to the office and all the faculty members for both administration and academic activities.
- iv) The department is in need of Office assistant, clerk and librarian.
- v) It is also in need of residential facility and of improved sanitation in the campus.

c) Opportunities:

- i) Faculty members enjoy the financial support for conducting seminar etc.
- ii) Faculty members and students enjoy a good academic atmosphere.
- iii) Senior teachers are regularly allowed to participate in other universities as Resource persons.
- iv) Teachers of the department get regular opportunity to attend different academic programmes in other institutions for enhancement of their academic skill.
- v) The natural ambience of Santiniketan inspire teachers and students to accept academics as a penance.

d) Challenges:

- i) Bridging ancient and modern values.
- ii) Making Sanskrit an interdisciplinary subject.
- iii) Making Sanskrit more relevant in present day.
- iv) Procuring more hands in the rare languages like Pali and Prakrit.
- v) Keeping retired teachers regularly connected to the department and using their expertise.

52. Future plans of the department:

- a) Specializations on Veda, Grammar, Purana, Dharmasastra,
- b) Peace Study
- c) Special assistance programme of UGC
- d) International Seminar/ Conference

Evaluative Report of the Department of Hindi

1. **Name of the Department :** Hindi
2. **Year of establishment :** 1939
3. **Is the Department part of a School/Faculty of the university?** Yes, Part of Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, M.Phil, Ph.D, D.Litt., Certificate Course in Hindi, Diploma in Hindi, Foreign Casual Course in Hindi.
5. **Interdisciplinary programmes and departments involved :**
Interdisciplinary seminars are organised from time to time in the Department for the benefit of the students and research scholars.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester & Choice Based Credit System
9. **Participation of the department in the courses offered by other departments :**
Yes – Students from different Departments take courses in Tagore Studies.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 02 | 02 | 08 |
| Associate Professors | 01 | 00 | 00 |
| Asst. Professors | 08 | 08 | 04 |
| Others | NA | NA | NA |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- | | | |
|---|---|--|
| a) Name | : | Harish Chandra Mishra |
| Qualification | : | M.A., D.Phil |
| Designation | : | Professor |
| Specialization | : | Philosophy of literary history or criticism in modern literature |
| No. of Years of Experience | : | 31 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 09 |
| b) Name | : | Rameshwar Prasad Mishra |
| Qualification | : | M.A., Ph.D |
| Designation | : | Professor |
| Specialization | : | Medieval literature, Coparative literature |
| No. of Years of Experience | : | 32 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 08 |
| c) Name | : | Manju Rani Singh |
| Qualification | : | M.A., Ph.D |
| Designation | : | Professor |
| Specialization | : | Poetics |
| No. of Years of Experience | : | 27 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 15 |
| d) Name | : | Chakradhar Tripathi |
| Qualification | : | M.A., Ph.D |
| Designation | : | Professor |
| Specialization | : | Medieval and Modern Poetry |
| No. of Years of Experience | : | 25 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 05 |
| e) Name | : | Mukteshwar Nath Tiwari |
| Qualification | : | M.A, NET-JRF, Ph.D |
| Designation | : | Professor |
| Specialization | : | Contemporary Hindi Poetry, Stylistics |
| No. of Years of Experience | : | 23 |

- No. of Ph.D./M.Phil. students
guided for the last 4 years** : 10
- f) **Name** : Rabindra Nath Mishra
Qualification : M.A., Ph.D, D.Litt.
Designation : Professor
Specialization : Medieval Peoty, Coparative Study, Bhakti
 Movement Coparative Study
No. of Years of Experience : 31
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : 31
- g) **Name** : Shailendra Kumar Tripathi
Qualification : Ph.D
Designation : Professor
Specialization : Fiction and Critisimsm
No. of Years of Experience :
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : 05
- h) **Name** : Shakuntala Mishra
Qualification : M.A., Ph.D.
Designation : Professor
Specialization : Medieval literature, Translation Studies
No. of Years of Experience : 13
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : 12
- i) **Name** : Subhash Chandra Roy
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Modern Poetry
No. of Years of Experience : 08
**No. of Ph.D./M.Phil. students
guided for the last 4 years** : 06
- j) **Name** : Jagadish Bhagat
Qualification : M.A, NET-JRF, Ph.D
Designation : Assistant Professor
Specialization : Modern poetry & fiction
No. of Years of Experience :

No. of Ph.D./M.Phil. students**guided for the last 4 years** : 02

- k) **Name** : Arjun Kumar
Qualification : M.A, NET
Designation : Assistant Professor
Specialization : Surdas, Hindi katha sahitya
No. of Years of Experience : 04
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil

- l) **Name** : Sruti Kumud
Qualification : M.A. NET
Designation : Assistant Professor
Specialization :
No. of Years of Experience : 7 months
No. of Ph.D./M.Phil. students
guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Prof. Khagendra Thakur, 16 March – 25 March, 2010

13. Percentage of classes taken by temporary faculty — programme-wise :

10% percentage of classes were taken by JRF/RGF students in UG level

(i) Suschismita Das (ii) Ravita Pathak

14. Programme-wise Student Teacher Ratio :

- a) UG : 2:1
b) PG : 2:1
c) M.Phil : 2:8
d) C. Work : 2:5
e) Ph.D : 5:2

f) Certificate, Diploma, Foreign Casual Course in Hindi : 01:01

15. Number of academic support staff (technical) and administrative filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | 01 | 01 | 01 |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies: N/A

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil
18. Inter-institutional collaborative projects and associated grants
a) National collaboration: Nil b) international collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil
20. Research facility / centre with
a) state recognition : b) national recognition: Yes
c) international recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: NA
22. Publications:
 - a) No. of papers published in peer reviewed journals (national/international):
 - b) Monographs:
 - c) Chapters in Books:
 - d) Edited Books:

Rabindra Nath Mishra –

 - i) “Sahitya Sankalan”, Suravi Prakashan, New Delhi, 2009.
 - ii) “Nari Vimarsh”, R.D. Women’s College, Bhubaneswar, 2011.
 - e) Books with ISBN with details of publishers:

Harish Chandra Mishra –

 - i) Lokosahitya Rabindranath Thakur (Anubad), Bibha Prakashan, 50 Charuchandra, ALLD, 2012, ISBN-978-81-88214-99-x.

Rameshwar Prasad Mishra –

 - i) ‘Gitanjali’ – ISBN – 978-81-7522-485-8, Visva-Bharati.
 - ii) ‘Santiniketan Ka Hindi Bhavana’-81-7522-461-2, V.B.
 - iii) ‘Visva-Bharati Patrika : Chayanita Nibandh’-81-7522- 460-5, V.B.
 - iv) ‘Apani Bat’-81-7522-462-9-V.B.

Manju Rani Singh –

 - i) Chhaya Bad : Sabda Aur Sambhedana – ISBN – 817714-104x.
 - ii) ‘Kabri Ke Khoj’-ISBN-81-7055-801-0.

Shakuntala Mishra –

 - i) ‘Mrinalini Devi’ - ISBN-978-81-7522-493-3, Visva-Bharati, Santiniketan.
 - ii) ‘Gitanjali’ - ISBN-978-93-5-72-541-2, Vani Prakashan, New Delhi.

- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
- 23. Details of patents and income generated: NA**
- 24. Areas of consultancy and income generated: NA**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Harish Chandra Mishra –**
- a) Delivered Two Lecturers at BHU, in Refresher Course on 18th Feb. 2010 & 19 March 2010.
 - b) Seven Lectures delivered in different National Seminars on 28 Feb. 2011, 1st March 2011, 19 Feb. 2011, 11 March 2011, 13 March 2011.
 - c) Presented a paper on ‘Rabindranath Ke Upanyas’ in a National Seminar on ‘Rabindranath Tagore’ at Sahitya Academy, New Delhi on 8th May 2011.
 - d) Presented a paper on ‘Rabindranath Tagore : Nationalism and Internationalism in an International Seminar on ‘Nobel Laureate Rabindranath Tagore and Fritjof Nansen organized by Indo-Norwegian Informations and Cultural Forum at Oslo, Narway on 15th August 2011.
 - e) Delivered a Lecture on ‘Hindi Ka Alochanatmak Sahitya Aur Bihar in a National Seminar at Jaiprakash University, Chhapara on 20th October 2011.
 - f) Delivered a Lecture on ‘Hindi Literature’ in the Dept. of South Asian Studies, at Peking University, China on 1st November 2011.
 - g) Presented a paper on ‘Rabindranath Tagore And World Peace’ in an International Conference to Commemorate the 150th birth an university of Rabindranath Tagore in the Dept. of South Asian Studies at Pecking University on 2nd November 2011.
 - h) Delivered a lecture on ‘Gitanjali’ in Chinese Language Literature Dept. at Beijing Normal University, Peking on 3rd November 2011.
 - i) Delivered a lecture on Indian Literature in the Dept. of South Asian Studies at Peking University on 5th November 2011.
 - j) Presided over the Valedictory Session of a National Seminar on ‘Women Studies and Indian Literature organized by the Dept. of Odia, Visva-Bharati on 14th

February 2012.

- k) Presided over a session of a National Seminar on 'Rabindranath Tagore and Indian Literature' organized by the Dept. of Bengali, Visva-Bharati on 14th February 2012.
- l) Presented a paper on 'Hindi Translations of Tagore's Literature in an International Seminar organized by the Dept. of English, Visva-Bharati on 18th February 2012.
- m) Delivered a Lecture as Chief Guest in Gyan Bharati School, Raniganj on the occasion of the Golden Jubilee Celebration of the School on 20th January 2012.

Rameshwar Prasad Mishra –

- a) Two seminar lecturers delivered at Hindi-Bhavana, Visva-Bharati & Calcutta University on 11 Dec. 2010, 10 Feb. 2010.
- b) 5 Seminar lecturer delivered at Andhra University, Uta Maharashtra University, Kolkata Girls College, NVG Mahavidyalay, Railway University, New Delhi on 24, 26 Feb 2011, 2nd March 2011, 15 March 2011, 26 Jan. 2011.
- c) Presented a paper on 'Rabindranath Ke Upanyas' in a National Seminar on 'Rabindranath Tagore' at Sahitya Academy, New Delhi on 8th May 2011.
- d) Presented a paper on 'Rabindranath Tagore : Nationalism and Internationalism in an International Seminar on 'Nobel Laureate Rabindranath Tagore and Fritjof Nansen organized by Indo-Norwegian Informations and Cultural Forum at Oslo, Narway on 15th August 2011.
- e) Delivered a Lecture on 'Hindi Ka Alochanatmak Sahitya Aur Bihar in a National Seminar at Jaiprakash University, Chhapara on 20th October 2011.
- f) Delivered a Lecture on 'Hindi Literature' in the Dept. of South Asian Studies, at Peking University, China on 1st November 2011.
- g) Presented a paper on 'Rabindranath Tagore And World Peace' in an International Conference to Commemorate the 150th birth an university of Rabindranath Tagore in the Dept. of South Asian Studies at Pecking University on 2nd November 2011.
- h) Delivered a Lecturer on 'Gitanjali' in Chinese Language Literature Dept. at Beijing Normal University, Peking on 3rd November 2011.
- i) Delivered a Lecture on Indian Literature in the Dept. of South Asian Studies at Peking University on 5th November 2011.
- j) Presided Valedictory session of a National Seminar on 'Women Studies and Indian Literature organized by the Dept. of Odia, Visva-Bharati on 14th February 2012.
- k) Presided a session of a National Seminar on 'Rabindranath Tagore and Indian Literature' organized by the Dept. of Bengali, Visva-Bharati on 14th February 2012.
- l) Presented a paper on 'Hindi Translations of Tagore's Literature in an International

Seminar organized by the Dept. of English, Visva-Bharati on 18th February 2012.

- m) Delivered a Lecture as Chief Guest in Gyan Bharati School, Raniganj on the occasion of the Golden Jubilee Celebration of the School on 20th January 2012.
- n) Delivered presidential address at Acharya Vishnukant Shastri memorial lecture on the topic 'Santon Ki Jeevandristi Aur Hamara Samaya' at Shree Bara Bazar Kumar Sabha Pustakalaya, Kolkata on 6 May, 2012.
- o) Delivered a lecture as chief guest at Shree Durga Vidyalaya, Raniganj on the occasion of Golden Jubilee Celebration of the school on 12 September 2012.
- p) Chaired a session and delivered a lecture in an International Seminar on 'Rabindranath Tagore' in the dept. of History, V.B. on 14 January 2013.
- q) Delivered a lecture on 'Geetanjali Aur Hindi Sahitya' in a national seminar on 'Impact of Geetanjali on Indian literature in the dept. of Odia, V.B. on 1 March 2013.
- r) Chaired a session and delivered a lecture in a national seminar on 'Impact of Rabindranath on Indian literature organized by Bhasha-Bhavana, V.B. on 8 March 2013.
- s) Delivered keynote address on the topic 'Hindi Evam Bangla Ka Antah Sambandh' at 65th Congress of Hindi Sahitya Sammelan, Prayag organized at Santiniketan on 17 March 2013.

Manju Rani Singh –

- a) Presented a paper at jute sikehya sen Rajsthan, Jaipur on 10th Jan. 2010.
- b) Total 8 seminar lecturers given in different national seminar on 24 Oct 2010, 27 Nov. 2010, 8 Jan. 2011, 9 & 10 March 2010, 22 & 23 March 2011, 27/28 March 2011, 28/29 July 2010, 24 & 25 Feb. 2011.
- c) Organised one International Seminar & 4 National seminar on 8th March 2013, June 2013, 3rd Feb. 2014, 9th Feb. 2014, 8-9 March. 2014 at Visva-Bharati, Santiniketan.
- d) One workshop organized in Surul Village Bolpur on 22 Jan. 2014.
- e) Presented a paper on 'Hindi Sahitya Mein Shramjivi Aur Lingbhed in an International Seminar organized by the Garifa Maitreya Granthagar, Naihati, 24 Pargana on 8th January 2012.
- f) Presented a paper on 'Baba Nagarjun : Sannidhya Se Srijan Ke beech' in an International Seminar organized by Sido Kanhu University.
- g) Presented a paper on 'Nagarjun Ki Stri – Dristi' in a National Seminar held at Nav Baliganj College, Calcutta University on the occasion of Nagarjun's Birth Centenary on 21st November 2011.
- h) Presented a paper on 'National language Hindi and it's utility in unemployment' in a seminar on 'Website for Hindi literature' held at Bharatiya Bhasha Parishad,

Kolkata on 23rd September 2011.

- i) Presented a paper on 'Swatantryottar Hindi Sahitya Mein Kamkaji Mahilaon Ka Sangharsha' in a National Seminar organized by JDU Womens College, Bolly Road, Patna on 30-31st January 2012.
- j) Presented a paper on 'Ramvilas Sharma Ki Sanskritik Upalabdhi in a National Seminar organized by Mahavidya, Deoghar, Jharkhaud on the occasion of a Book Fair on 4th January 2012.
- k) Presented a paper on 'Jaishankar Prasad Ka Jeevan Darshan' in a National Seminar organized by the Govt. College, Raurkela, Odisha on 9-11th March 2012.
- l) Presented a paper on 'Meri Drishti: Meri Sristi' in a National Seminar organized by Bharatiya Bhasha Parishad on 18th February 2012.
- m) Presented a paper on 'Gopal Singh Nepali Aur Hindi Kavya Sangeet' in a National Seminar organized by Gopal Singh Nepali Foundation on the occasion of Birth Centenary of Gopal Singh Nepali on 17th March 2012.
- n) Presented a paper on 'Education Value of Rabindranath Tagore' in a National Seminar after inaugurating the function organized by the Institute of Socialist Education at New Delhi on the occasion of 150th Birth Anniversary of Rabindranath Tagore on 16th December 2011.

Chakradhar Tripathi –

- a) Presented a paper on 'Globalization and Odia Literature' in an International Seminar on 'Globalization and Literature' organized by Gandhi Centre for North-Eastern Languages, Presidency University, Kolkata on 12th January 2012.
- b) Presented a paper on 'Feminism in Hindi short stories' in a National Seminar on 'Feminism in Odia Fiction : Indian Perspective' and also chaired a session organized by the dept. of Odia, Visva-Bharati in collaboration with Odisha Sahitya Academy, Bhubaneswar on 13th February 2012.
- c) Delivered Keynote address of a National Seminar on the occasion of 'Hindi Diwas' celebration organized by the dept. of Hindi, Visva-Bharati in collaboration with the Hindi cell of Visva-Bharati on 25th September 2011.
- d) Delivered a lecture on 'Dramatist Jayshankar Prasad and Skandgupt' in the dept. of Hindi, R.D. Women's College, Bhubaneswar on 5th March 2012.

M.N. Tiwari –

- a) Two lecturers deliver at ASC Ranchi in a referesher programme on 8 Feb. 2010 & a seminar at Rabindrabharati University, Kolkata on 18 March 2010.
- b) Delivered lecturer in different seminar at Hindi Dept. of Kolkata University, Raniganj, ASC Ranchi, Rabindrabharati Kolkata, NCER, Science Centre Burdwan, Hindi Dept., ASC Patna on 30, 31 July 2010, 8th Agu. 2010, 8th Jan. 2011, 19 Jan. 2011, 11 March 2011, 15 March 2011.

- c) Deliver 3 nos of lectueres in National Seminar at Jumsedpur, Burdwan University, Hindi-Bhavana Kolkata, 5th Dec. 2012, 13 March 2013, 26 March 2013.
- d) Two lectueres delived at ASC Ranchi, Dec. 2011.

Rabindra Nath Mishra –

- a) Paper Presented in the National Seminar on the topic “Ardhakgini Ka Purna Hone Ka Dawa”, R.D. Womens (Autonomaus) College, Bhubaneswar, 1st & 2nd March, 2011.
- b) Paper Presented in the National Seminar on the topic “Bhaktimarg, Bhagabat Dharm Aur Shree Jagannath”, Nilachal Tatwa Anusandhan Parisad, Puri, 7th August, 2011.
- c) Paper Presented in the National Seminar on the topic “Hindi Sikshan Men Koson Ki Bhumika Aur Hindi Sabdakoskan Ki Samikshya”, Kendriya Hindi Sansthan Agra, Bhusaneswar Centre, Odishi, 20.11.2011.
- d) Paper Presented in the National Seminar on the topic “Prasadjeeke Sahitya Men Monabiyamulyabodh”, Deptt. of Hindi, Govt. (Autonomaus) College, Rourkela, 11.03.2012.
- e) Paper Presented in the National Seminar on the topic “Samajik Sanskritk Jeevan Men Hindi Odiya Santa Sahitya Ki Boiplabik Bhumika”, Deptt. of Oriya, Chaudwar College, Cuttak, 18.03.2012.
- f) Paper Presented in the National Seminar on the topic “Jankabi Nagarjun”, Vidya Sagar University, Midnapur, West Bengal, 19.03.2012.
- g) Paper Presented in All India Oriental Conference on the topic “Bhakti Andolan Ke Sanderv Men Alvar Bhakti Aur Odissi Bhakti”, University of Kashmir, Shrinagar, 2nd, 3rd & 4th October, 2012.
- h) Paper Presented in the National Seminar on the topic “Adhunik Hindikavya Per Geetanjali Ka Prabhab”, Deptt. of Oriya, Visva-Bharati, Santiniketan, 1st & 2nd March, 2013.
- i) Paper Presented in the National Seminar on the topic “Adunik Hindi Sahitya Ki Vividh Vidhayan: Ek Sinhabalokan”, Deptt. of Hindi, Kendrapara (Autonomous) College, Kendrapara, Odiya.
- j) National Seminar on “Rajabhasa Hindi Sambhanayen Aur Chunaution” Attended, Deptt. of Hindi, Visva-Bharati, Santiniketan, 14th -16th September, 2013.
- k) Attended All India History Congress from 29 to 31st Dec. 2013 at RAvenshaw University, Cattak.
- l) Delivered a lecture on the topic – Ekkiswi Sudi Ke Hindi Sahitya Ka Bhabisya in the National Seminar held at BB College, Assonal on 3rd Feb. 2014.

Shailendra Kumar Tripathi –

- a) Delivered 2 nos of lectures in the national seminar at Bharatiya Bhasa Parisad,

Kolkata, Kalicut University, Kalicut jon 5th Sept. 2009, 9th Feb. 2010.

- b) Delivered a lecture on 3rd Sep. 2010 at Sahitya Academy, New Delhi.
- c) Delivered a lecture on 'Ramkatha Ka Samajik Sarokar' in a National Workshop on 'Ramkatha' at Barhaj, Deoria, U.P. on 14-16th October 2011.
- d) Delivered a lecture on 'Chhayavad Aur, Namvar Singh' in a National Seminar on 'Chhayavad' at B.B. College, Asansol on 19-20th November 2011.
- e) Delivered a lecture on 'Ajneya Ke Mulyankan Ki Dishayen' in a National Seminar on 'Ajneya' on the occasion of Birth Centenary organized by Hindi Dept. Visva-Bharati on 24th March 2012.
- f) Delivered a lecture on 'Hindi Ki Awashyakata' in a National Seminar organized on the occasion of 'Hindi Diwas' celebration by Dept. of Hindi, Visva-Bharati in collaboration with Hindi Cell of Visva-Bharati on 25-26th September 2011.

Shakuntala Mishra –

- a) Delivered lecture at Hindi Bhavana, Visva Bharati on 10th Dec. 2010.
- b) Delivered lectures in National & Innational seminars at Andhra University, Bisakha Pattanam, Uttar Maharashtra University, Jalgaon, Kolkata Girls College, Kolkata, NB Smarak Mahavidyalay Jalgaon on 24 & 26 Feb. 2011, 1 to 2 March 2011, 15 March 2011, 28, 29 March 2011.
- c) Presented a paper on 'Rabindranath Ke Upanyas' in a National Seminar on 'Rabindranath Tagore' at Sahitya Academy, New Delhi on 8th May 2011.
- d) Presented a paper on 'Rabindranath Tagore : Nationalism and Internationalism in an International Seminar on 'Nobel Laureate Rabindranath Tagore and Fritjof Nansen organized by Indo-Norwegian Informations and Cultural Forum at Oslo, Narway on 15th August 2011.
- e) Presented a paper on 'Gitanjali Ke Hindi Anuvad Aur Bihar' in a National Seminar at Jaiprakash University, Chhapara on 20th October 2011.
- f) Delivered a Lecture on 'Hindi Language' at Dept. of South Asian Studies, Peking University, China on 1st November 2011.
- g) Delivered a Lecture on 'Tagore's Visva-Bharati : Not a mere educational institute in an International Conference to Commemorate the 150th birth anniversary of Rabindranath Tagore in the Dept. of South Asian Studies at Peking University, China on 2nd November 2011.
- h) Delivered a Lecture on 'Gitanjali' in the Dept. of Chinese Language and Literature at Beijing Normal University, Peking on 3rd November 2011.
- i) Delivered a Lecture on 'History of Indian Literature' in the Dept. of South Asian Studies at Peking University on 5th November 2011.

Subhash Chandra Roy –

- a) Delivered lectuer at Punjab National Bank Burdwan, National Technology

Institute, Durgapur, Deoghar Pastakmela, Deoghar on 16th Sept. 2009, 24 Oct 2009, 5th to 13 Feb. 2010.

- b) Delivered 9 nos of National Seminars at Mablankar Hall, Delhi, Vidyapati Bhavana, Patna. All Musium, Alld, Portblaor, Andaman, Geetanjali Hall Bolpur, Nalanda Bihar Deoghar, Jharkhand, NSS Santiniketan on 6th May 2010, 15 Aug. 2010, 21 Aug. 2010, 19 Sep. 2010, 27 Oct. 2010, 18 Dec 2010, 12 Nov. 2010, 28 Dec. 2010.
- c) Presented a paper on 'Rashtriya Ekta Mein Bhasha ki Bhumika' in a National seminar jointly organized by Bhasha Sangam, Allahabad and Bihar Hindi Sahitya Sangam at Patna on 27th August 2011.
- d) Delivered a lecture in "Rabindra Mahotsava" organized by Rashtra kavi Ramdhari Singh 'Dinkar' Nyas in Mavlankar Hall at New Delhi on 31st August 2011.
- e) Delivered a lecture being invited as chief guest on the occasion of 'Hindi Diwas' at Punjab National Bank, Burdwan, W.B. on 14th September 2011.
- f) Delivered a lecture on 'Importance of National language Hindi' in a National Seminar organized by the dept. of Hindi in collaboration with Hindi cell of Visva-Bharati on 26-27th September 2011.
- g) Delivered a lecture on 'The concept of village development of Rabindranath Tagore' in a National Seminar organized by Nalanda Foundation, Nalanda, Bihar on the occasion of 'Surya Mahotsava' on 1st November 2011.
- h) Participated in a National Workshop for the compilation of the Common Administrative Terminology of North-Eastern Indian Languages organized by CIL, HRD, Maysore held at North Bengal University, Siliguri, W.B. on 14-21 November 2011.
- i) Presented Keynote address in Hindi and participated in 'Kavi Pranam' Celebration jointly organized by Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal and Indira Gandhi Centre for National Integration, Visva-Bharati on 26-28th November 2011.
- j) Delivered three lectures in a National Seminar on 'Nagarjun, Kedarnath and Nepali' organized by Mahavidya, Deoghar, Jharkhand on the occasion of a Book Fair held at Deoghar on 13 to 21st January 2011.
- k) Delivered lecture on 'the ideology of journalism in Hindi' on the occasion of 23rd Raniganj Book Fair held at Raniganj on 16th February 2012.
- l) Delivered lecture on 'Rabindranath and Dinkar' a National Seminar organized on the occasion of 'Magadh Book Fair' held at Gaya, Bihar on 29th February to 4th March 2012.
- m) Delivered a lecture in a National Seminar on 'Ajneya' organized by the Dept. of Hindi, Visva-Bharati on the occasion of birth centenary on 24th March 2012.

Jagadish Bhagat –

- a) Delivered lecture on 'Hindi Divas' K.V. Durgapur, 2009.
- b) Delivered lecture on 'Hindi Divas' Narakas, Durgapur, 2009.
- c) Participated in Kavi Samelan, Barhaj, Deoria (U.P.) 2009.
- d) Delivered lecture Raghukul Academy 26 Jan. 2010 Deoria (UP).
- e) Delivered lecture on "Hindi Divas" – K.V. Durgapur, 2010.
- f) Delivered lecture on "Hindi Divas" – N.B.S. College, 28 Nov. 2010, 29 March 2011.
- g) Delivered lecture Kushinagar College, U.P. 12 Feb. 2011.
- h) Delivered lecture on 'Premchand Ki Chinta Evam Hamari Chunoutiyan' in National Workshop on 'Premchand' held at N.B.S. College, Jaigaon, W.B. on 19th August 2011.
- i) Delivered lecture on 'Nav Upaniveshvadi Sandarbha Aur Swayam Prakash Ki Kahaniyan' in a National Seminar at Siliguri College, Siliguri, W.B. on 2-3rd September 2011.
- j) Delivered three lectures on 'Swayam Prakash Ki Kahaniyon Mein Yugbodh', 'Samakaleen Chunoutiyan Aur Mahila Kahanika' and 'Adbhut Gadya Shilpi Mahadevi' in a National Seminar at Khariyar College, Khariyar, Orissa on 10-11th September 2011.
- k) Delivered lecture on 'The relevance of 'Muawaja' drama' in a National Seminar held at Jogesh Chandra Choudhury College, Kolkata on 13-14th September 2011.
- l) Delivered lecture on 'Ramcharitmas Ka Samaj' in a National Workshop on 'Ramkatha' held at Barhaj, Deoria, U.P. on 14-16th October 2011.
- m) Delivered a lecture on 'Mahadevi Ka Gadya Sahitya' in a National Seminar on 'Chhayavad' held at B.B. College, Asansol, W.B. on 19-20th November 2011.
- n) Delivered lecture on 'Nepali Ramkavya Parampara Aur Bhanubhakta Ramayan' in a National Seminar on 'Bhanubhakta Evam Tulasidas' held at N.B.S. College, Jaigaon, W.B. on 20-21st February 2012.
- o) Delivered lecture on 'Rabindranath Ki Hindi Chinta' in a National Seminar on 'Rabindranath' held at Visva-Bharati on 11-12th February 2012.
- p) Delivered lecture on 'Gopal Singh Nepali Ki Prasangikata' in a National Seminar on 'Nepali' organized by Gopal Singh Nepali Foundation, New Delhi on 18th March 2012.
- q) Delivered lecture on 'Ajneya Ek Visist Kavi' in a National Seminar on 'Ajneya' on the occasion of birth centenary organized by Dept. of Hindi, Visva-Bharati on 24th March 2012.
- r) Delivered lecture on 'Hindi Ka Badalta Swarup' in a National Seminar organized by the Dept. of Hindi, Visva-Bharati in collaboration with Hindi cell of Visva-

Bharati on the occasion of 'Hindi Diwas' celebration-2013.

Arjun Kumar –

- a) Delivered a lecture in a National Seminar on 'Rajbhasa Hindi' in the Dept. of Hindi, Visva-Bharati on 14 Sep. 2010.
- b) Delivered a Lecture in a National Seminar on 'Hindi Divas' organized by Hindi Bhavana, Visva-Bharati in Collaboration with Hindi cell, Visva-Bharati on 25-26th September 2011.
- c) Participated a National Seminar on 'Rabindra Bichitra' Conducted by Adhyapak Sabha, Visva-Bharati on 11-12th February 2012.
- d) Presented a paper named 'Swanubhuti Aur Sahanubhuti : Dalit Sahitya' in a International Seminar on 'Hindi Sahitya main Dalit Chetana : Sampratic Dasha Evam Disha' organized by Hindi Vibhag, Ranchi College, Ranchi on 22-24th February 2012.
- e) Delivered a Lecture in a National Seminar on 'Ajney : Kavi Aur Gadyakar' organized by Hindi Bhavana, Visva-Bharati on 24th March 2012.

Shruti Kumu –

- a) Delivered lecture in different national seminars at Mahila Mahavidyalay, Patna on 28 & 29 Sep. 2013, Hindi Bhavana, Visva-Bharati on 14-16 Sep. 2013, Durgakund Varanasi on 12 to 14 Jan. 2014.

26. Faculty serving in

a) National committees:

Harish Chandra Mishra –

- i) Paribhasak Hindi Kos Nirman Samiti, Kandriya Hindi Nidesaloy, Delhi.

Rameshwar Prasad Mishra –

- i) Nominated as a member of Board of Studies (Hindi) at Mizoram University, Aizwal.
- ii) Nominated as a member of Ph.D. Committee of Hindi at West Bengal State University, Barasat, Kolkata.

Manju Rani Singh –

- i) Director, Women's Study Centre, Visva-Bharati (till March 2014).

Chakradhar Tripathi –

- i) Nominated as member of Board of Studies in Hindi at Presidency University, Kolkata and Vidya Sagar University, Midnapore, W.B.

Mukteshwar Nath Tiwari –

- i) External member, P.G. Board and Research Board of Burdwan University.
- ii) External member, Board of Studies, Rabindra Bharati University, Kolkata.

Rabindra Nath Mishra –

- i) Member Syllabus Committee North Odisha University, Ravenshaw

- University, Cuttack.
- ii) DDCE, Uttkal University, Bhubanswar.
 - iii) Member Award Committee Uttar Pradesh Hindi Sansthan, Lucknow, U.P.
 - iv) Member Award Committee Odisha Sahitya Academy, Bhusaneswar.
- b) International committees:** Nil
- c) Editorial Boards:**
- Rabindra Nath Mishra –**
- i) Hindi Text Book Editorial Board of SCERT, Bhusaneswar, Odisha.
 - ii) Hindi Text Book Editorial Board of BSE, Odisha.
- d) Any other (please specify):** Nil
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
- Subhash Chandra Roy –**
- a) Refresher Course – ASC, Ranchi University, 2010 & Dec. 2012.
- Jagadish Bhagat –**
- a) 03/03/2009 to 31/03/2009 Orientation Program ASC, Burdwan University.
 - b) 17/07/2010 to 08/08/2010 – Refresher Course ASC, Calcutta University.
- Arjun Kumar –**
- a) UGC Sponosored 64th orientation programme 4.7.11 to 31.7.11, ASC Ranchi University, Ranchi.
 - b) Refresher Course in ‘Linguistic’ 27.7.13 to 18.8.13, ASC, Ranchi University, Ranchi.
- 28. Student projects:**
- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil
- 29. Awards / recognitions received at the national and international level by**
- a) **Faculty:**
 - Dr. R.N. Mishra –**
 - i) Awarded “Hindi Sahitya Samman by Hindi Sahitya Sammellan Proyag, Alld, 2010.
 - b) **Doctoral / post doctoral fellows:** Nil
 - c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Topic & Name of the Outstanding Participants | Source of Funding |
|-----------------------|--|-----------------------------------|
| 20 February 2011 | Hazariprasad Dwivedi Memorial Lecture given by the eminent poet Arun Kamal on the topic 'Samakalin Kavita Mein Saundarya'. | Funded by Visva-Bharati |
| 27 February 2011 | Halwasiya Memorial Lecture given by the eminent poet Prof. Kedarnath Singh on the topic 'Ekkiswin Sadi Mein Hindi'. | Funded by Halwasiya Trust Kolkata |
| 14 January 2012 | Hazariprasad Dwivedi Memorial Lecture given by the eminent Novelist Manaj Das on the topic 'Badalte Mulyon Ke Daur Mein Viswas Evam Sahitya'. | Funded by Visva-Bharati |
| 20 February 2012 | Halwasiya Memorial Lecture given by Prof. Prayag Shukla on the topic 'Hindi Jatra – Vrittanta'. | Funded by Halwasiya Trust |
| 15 February 2013 | Hazariprasad Dwivedi Memorial Lecture given by the eminent Novelist Govind Mishra on the topic 'Hazariprasad Dwevedi Ke Upanyas'. | Funded by Visva-Bharati |
| January 2009 | Halwasiya Memorial Lecture given by Manjer Pundey Prof. of JNU on the Topic 'Madhyajuginta Ki Wapasi'. | Funded by Halwasiya Trust Kolkata |
| February 2009 | Hazariprasad Dwivedi Memorial Lecture given by Ashok Vajpayee on the topic 'Hamare Samaya Men Sahitya'. | Funded by Visva-Bharati |
| 10 & 11 December 2009 | National Seminar on the topic 'Ramchandra Shukla: Jeevan, Alochana Evam Nikash addressed by Prof. Vijay Bahadur Singh, Prof. Amernath Sherma, Prof. Bahadur Mishra and others. | Funded by Visva-Bharati |
| 7 March 2010 | Halwasiya Memorial Lecture given by Prof. Ramesh Kuntal Megh on the topic 'Mithak Alekh Kari Ke Samajvingyanan Men Kuchi Pratistha Kalad'. | Funded by Visva-Bharati |
| 20 March 2010 | Hazariprasad Dwivedi Memorial Lecture given by Nanda Koshare Nabal on the topic 'Adhunik Hindi Kabita Ka Dwevedi Jug'. | Funded by Halwasiya Trust |

31. Code of ethics for research followed by the departments:

As per University Ph.D rules : RET, Pre-PhD seminar, Pre-submission Seminar, Viva-voce : Research preceded by a course work of six months duration.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | | Applications Received | Selected | | Pass percentage | |
|--|----------------|-----------------------|----------|--------|-----------------|--------|
| | | | Male | Female | Male | Female |
| BA | Year 2009-2010 | 40 | 05 | 08 | 100% | 100% |
| MA | | 50 | 08 | 20 | 100% | 100% |
| M.Phil | | NA | - | - | 100% | 100% |
| Ph.D | | 34 | 05 | 17 | 100% | 100% |
| BA | Year 2010-2011 | 40 | 04 | 08 | 100% | 100% |
| MA | | 42 | 08 | 14 | 100% | 100% |
| M.Phil | | NA | - | - | 100% | 100% |
| Ph.D | | 25 | 10 | 10 | 100% | 100% |
| BA | Year 2011-2012 | 35 | 05 | 07 | 100% | 100% |
| MA | | 15 | 02 | 05 | 100% | 100% |
| M.Phil | | NA | - | - | 100% | 100% |
| Ph.D | | 22 | 04 | 10 | 100% | 100% |
| BA | Year 2012-2013 | 10 | 03 | 03 | 100% | 100% |
| MA | | 35 | 02 | 04 | 100% | 100% |
| M.Phil | | 25 | 04 | 10 | 100% | 100% |
| Ph.D | | 75 | 08 | 14 | 100% | 100% |
| BA | Year 2013-2014 | 25 | 01 | 06 | 100% | 100% |
| MA | | 35 | 02 | 04 | 100% | 100% |
| M.Phil | | 04 | 10 | - | | |
| Ph.D | | 21 | 07 | 14 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 4 | 15 | 7 | |
| PG | 80 | 15 | 5 | |

| | | | | |
|--------|----|----|----|--|
| M.Phil | 60 | 10 | 30 | |
| Ph.D | 60 | 10 | 30 | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

| Year | SC | ST | OBC | GEN |
|------|----------------|----|----------------|----------------|
| 2013 | NET-3 SET-2 | | NET-4 SET-2 | NET-5 SET-2 |
| 2012 | NET-1 SET-1 | | NET-2 SET-1 | NET-2 SET-1 |
| 2011 | NET-2 SET-2 | | NET-1 SET-1 | NET-1 SET-1 |
| 2010 | NET- SET- | | NET- SET- | NET-1 SET- |

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 95% |
| PG to M.Phil. | 50% |
| PG to Ph.D. | 50% |
| Ph.D. to Post-Doctoral | Nil |
| Employed | |
| • Campus selection | |
| • Other than campus recruitment | 5% (aprox.) |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 25% |
| from other universities within the State | 8% |
| from universities from other States | 70% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to
- Library: 35 thousand of Hindi Books.
 - Internet facilities for staff and students: Only for staff members
 - Total number of class rooms: 07
 - Class rooms with ICT facility: Nil
 - Students' laboratories: NA
 - Research laboratories: NA
39. List of doctoral, post-doctoral students and Research Associates:
- from the host institution/university: 41
 - from other institutions/ universities : 17
40. Number of post graduate students getting financial assistance from the university:
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
Yes, M.Phil Programme undertaken in the session 2012-13 as per rules.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes : Utilized the feedback in UG & PG classes.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Yes : Utilized the feedback in UG & PG classes.
 - alumni and employers on the programmes offered and how does the department utilize the feedback: Yes; utilise feedback through reformatory classes. .
43. List the distinguished alumni of the department (maximum 10):
- Prof. Ranjit Saha – Sahitya Academy, New Delhi
 - Prof. Demoder Mishra – Vidyasagar University
 - Prof. Arun Kumar Hota – W.B.S. University

- d) Prof. Dwigaram Jadav - BHU
- e) Prof. Shetrugna Kumar – I.G.N.U
- f) Dr. Bikartan Chand – Hindi Officer U.C. Bank, Kolkata
- g) Dr. Tanuja Majumdar – Prof. & Head, Presidency University, Kolkata.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

2009-10

- a) A national seminar on the eve of Tulsi Jayanti was organised on 03.08.2009. Veteran scholars and external experts delivered their lectures. Some of the eminent experts were : Prof. Krishna Murari Mishra (Aligarh), Dr. Shriram Parihar, Dr. Badridutta Mishra, Prof. T.G. Prabhashankar, Prof. Naresh Mishra, Prof. Rajendra Kumar and Prof. Ganesh Anand Jha (all externals).
- b) During 'Hindi Diwas' celebrations following external experts interacted with students on 14-15 September, 2009 : Prof. Jagadish Narayan Choubey (Patna), Dr. Rajendra Prasad (Kancharapara), Dr. Pankaj Saha (Kharagpur).
- c) 125th birth anniversary of Pt. Ramchandra Shukla was observed in the Deptt. in a form of a seminar on 10-11th December 2009. The external experts were : Dr. Vijay Bahadur Singh, Prof. Amarnath Sharma, Smt. Mukta, Prof. Bahadur Mishra, Prof. Rajendra Kumar, Dr. Omprakash Pandey, Dr. Kailash Nath Mishra and Prof. G.A. Jha.
- d) Prof. Ramesh Kuntal Megh delivered the Halwasiya Memorial Lecture for the year on the topic 'Mithak Alekhkari Ke Samajvijnanon Mein Kuchch Praspthankalash' on 07.03.10.
- e) Hazari Prasad Dwivedi Memorial Lecture was given by Nand Kishore Nawal on the topic 'Adhunik Hindi Kavita Ka Dwivedi Yug' on 20.03.10
- f) Prof. N. Bhaktawatsal Reddy delivered visiting lecture on the topic 'Comparative Literature: Scope & Dimension' on 12.03.10.

2010-11

- a) 13.08.10 : Tulsi Jayanti & Seminar attended by eminent scholars like Prof. Rajendra Kumar, Prof. G.A. Jha, Dr. Ramkaran Mishra and Dr. Dhoopnath Prasad.
- b) 14.09.10 : Hindi Diwas celebrations : Prof. Radhakant Mishra, Prof. Mahendra Nath Dubey were the external experts to grace the occasion.
- c) 25.09.10 : Sri Ramprabodh Thakur delivered a lecture among students on the topic 'Sant Kavya Ki Parampara'.
- d) 24.1.11 : Smt. Pratibha Agarwal, a theatre personality delivered a lecture on her memoirs of Hazari Prasad Dwivedi.
- e) 27.02.11 : Prof. Kedarnath Singh, the eminent poet delivered Halwasiya Memorial Lecture on the topic 'Ekkiswin Sadi Mein Hindi'.

- f) 20.02.11 : Arun Kamal, the famous Hindi poet delivered the H.P Dwivedi Memorial Lecture on the topic 'Samakalin Hindi Kavita Mein Saundarya'.

2011-12

- a) 13.08.11 : Tulsi Jayanti festival was graced by the externals like Dr. D.P. Baranwal.
- b) 24.03.12 : National Seminar on Ajneya was graced by Prof. Ravibhushan and Prof. Sadanand Singh.
- c) 25-26 Sept. 2011 : Hindi Diwas celebrations were chaired by Dr. Ajay Kumar Pattanayak, Dr. Basant Kumar Panda, Prof. J.C. Chaturvedi, Dr. Sutya Narayan Ranshubhe.
- d) 13.09.11 : Dr. Rambahal Tiwari delivered a lecture on the topic 'Chhand'. Prof. Deepak Bhattacharya chaired the lecture session.
- e) 16-18 March 12 : Prof. Ratan Prakash spoke on theatre & films.
- f) 29.03.12 : Dr. Hitendra Kumar Mishra spoke on 'The necessity of the study of Hindi'.
- g) 20.2.12 : Prayag Shukla, Hindi poet delivered the Halwasiya Memorial Lecture on the topic 'Hindi Jatra – Vrittanta'.
- h) 14.1.12 : Sri Manoj Das of Odia Literature delivered the H.P. Memorial Lecture on the topic 'Badalte Mulyon Ke Daur Mein Viswas Evam Sahitya'.

2012-13

- a) 23.08.12 : Tulsi Jayanti celebration were held and graced by Prof. Jaykant Singh, Lal Bahadurshastri Sanskrit Academy, New Delhi.
- b) 30.09.12 : Hindi Diwas celebrations was addressed by Prof. G. Subbajah.
- c) 06.09.12 : Prof. Rangnath Pathak delivered a lecture on 'Pashchimi Alochana Ki Aitihashik Prishthabhoomi'.
- d) 15.02.13 : H.P. Dwivedi Memorial Lecture was Presented by novelist Shri Govind Mishra.

2013-14

- a) 27.08.13 : Tulsi Jayanti was held and the dignitaries like Panrkaj Saha, Satya Prakash Tiwari, Chakradhar Pradhan & Abhishek Sharma were present.
- b) 14.09.13 : Hindi Diwas was graced by eminent academicians like Prof. Sujit Basu, Prof. Karunasindhu Das and Prof. Ashok Ranjan Thakur, Prof. Gopa Dutta, Dr. Subrat Lahiri, Dr. Amulya Barman, Dr. Vijay Kumar Bharati also delivered their lectures.

45. List the teaching methods adopted by the faculty for different programmes:

Adapted almost all the teaching methods by the faculties for the different programmes

- a) Dialogue
 - b) Diagram
 - c) Text Analysis
 - d) Interactive session
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
Some of the seminars are Videographed for learning source for future students.
- 47. Highlight the participation of students and faculty in extension activities:**
NSS, NCC, Cultural Programme, Sports
- a) **07 nos** of students from different classes are took part in NSS camps held time to time.
 - b) **10 nos** of students took part in different N.C.C. camps.
 - c) **08 nos** of students performed cultural programme in the Deptt. in different occasions.
 - d) **12 nos** of students from different classes participated in many sports items in Visva-Bharati.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- a) 09 Faculty members presented research papers in national/international seminars held in different universities from time to time.
 - b) Study tour conducted every year.
 - c) Some of the faculty members published articles.
 - d) 05 extra mural lectures delivered by some faculty members.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: NA**
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- a) Pandit Hazari Prasad Dwivedi was the founder head of the department who chanced the conventional discourse on the great medieval poet kabir.
 - b) He contributed a lot to rewrite the history of Hindi literature
 - c) He also introduced a new angle of criticism based on humanitarian being influenced by Rabindranath.
 - d) He authored so many essays interpreting the ancient Indian Culture & tradition in the context of modern era
 - e) Prof. Ramsing Tomor, Prof. Rampujan Tiwari, Prof. M.L. Bajpayee, Prof. D.N. Srivestava, Prof. S.R. Tiwri & Prof. B.N. Mishra, Prof. Satiram Gupta also contributed a lot in the field of Apabhhransa language & literature, Indian poetics, modern criticism, textual criticism & poetic language, medieval poetry

respectively.

- f) The present faculty also did contribute a lot in the field of medieval and modern literature as well as modern criticism, comparative literature, translation of Rabindra literature.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) The curriculum in P.G. level provides specialization in medieval modern as well as functional Hindi (in U.G level also).
- ii) The Deptt. has its own seminar Library having 35 thousand Books.

b) Weaknesses:

- i) Lack of modern teaching and learning equipments
- ii) Lack of language library
- iii) Infrastructural deficiencies.
- iv) Lack of reading room for the students.

c) Opportunities:

- i) Good atmosphere for fostering learning
- iii) Scope for comparative study
- iv) Scope for Interdisciplinary Research
- v) Hindi Bhavana Library is one of the richest libraries in Eastern India.

d) Challenges:

- ii) Publishing a research journal of the Department
- iii) Translating Indian literature to Hindi through the concept of Bharat Bharati floated by Rabindranath Tagore
- iv) Scholarship for all U.G and P.G students.

52. Future plans of the department:

- a) To open a language laboratory for U.G and P.G students
- b) To introduce computer course in Hindi for U.G and P.G students
- c) To materialize the idea of 'Bharat Bharati' of Rabindranath Tagore
- d) To invite students of foreign countries to our Deptt. through exchange programme.

Evaluative Report of the Department of Chinese Language & Culture

1. **Name of the Department :** Chinese Language & Culture
2. **Year of establishment :** 1937
3. **Is the Department part of a School/Faculty of the university?** Yes, Part of Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D
5. **Interdisciplinary programmes and departments involved :** NA
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Yunnan University, China
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :**
Cheena-Bhavana students participate in Tagore Studies, History, Education, Environmental Studies, English, Bengali, Hindi & Sanskrit courses.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | | 01 | |
| Associate Professors | | 02 | |
| Asst. Professors | | 04 | |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Jayeeta Ganguly
- Qualification** : M.A. in Chinese, Ph.D, Diploma in Japanese

- | | | |
|--|---|------------------|
| Designation | : | Professor |
| Specialization | : | Chinese Buddhism |
| No. of Years of Experience | : | 28 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 01 |
- b) **Name** : Avijit Banerjee
- | | | |
|--|---|------------------------------------|
| Qualification | : | M.A. in Chinese, Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Chinese Language, Chinese Politics |
| No. of Years of Experience | : | 10 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
- c) **Name** : Smt. Tandrima Pattrea
- | | | |
|--|---|-------------------------------|
| Qualification | : | M.A. in Chinese |
| Designation | : | Associate Professor |
| Specialization | : | Chinese Language & Literature |
| No. of Years of Experience | : | 19 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- d) **Name** : Smt. Hem Kusum
- | | | |
|--|---|--------------------------------|
| Qualification | : | M.A. in Chinese, M.Phil |
| Designation | : | Assistant Professor (Grade-II) |
| Specialization | : | Chinese Language |
| No. of Years of Experience | : | 12 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- e) **Name** : Mr. Chiranjib Sinha
- | | | |
|--|---|--------------------------------|
| Qualification | : | M.A. in Chinese |
| Designation | : | Assistant Professor (Grade-II) |
| Specialization | : | Chinese Language |
| No. of Years of Experience | : | 09 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
- f) **Name** : Mr. Debdas Kundu
- | | | |
|----------------------|---|---------------------|
| Qualification | : | M.A. in Chinese |
| Designation | : | Assistant Professor |

Specialization : Chinese Language, Literature and History
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

g) Name : Mr. Atreya Bhatta
Qualification : M.A. in Chinese
Designation : Assistant Professor
Specialization : Chinese Language
No. of Years of Experience : 05
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: 08

- | | |
|-----------------|--------------------|
| a) Chen Chao | e) Wang Fengting |
| b) Yang Pei Yu | f) Yang Yiqi |
| c) Zhang Liming | g) Wan Shaojuan |
| d) Feng Yan | h) Zhou Dong Liang |

13. Percentage of classes taken by temporary faculty — programme-wise : NA

14. Programme-wise Student Teacher Ratio :

- | | | |
|---------|---|--------|
| a) UG | – | 110:07 |
| b) PG | – | 30:07 |
| c) Ph.D | – | 05:01 |

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | 02 | 02 | 02 |
| Support staff (technical) | 02 | 02 | 02 |

16. Research thrust areas as recognized by major funding agencies:

The main thrust area of our department is Buddhist Studies. In recent years, research has been carried out in Chinese Literature, Sino-Indian Relations, Comparative study of Chinese and English grammar.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

b) International collaboration: Yunnan University

In accordance with a mutual desire to promote joint interests, Visva-Bharati University and Yunnan University have agreed to enter into the following agreement of mutual co-operation in 2011

Both Visva-Bharati University and Yunnan University will encourage contact and cooperation between their own faculty members, departments and other affiliated institutes and programs. This agreement shall enable the two universities to enter into working relationships with each another, subject to the following provisions:

Article 1. Visva-Bharati University shall enter into co-operative arrangements with Yunnan University in fields of research, teaching and collaboration to be agreed upon. Activities would include but not be restricted to:

- 1.1 Joint research activities developed through the research linkages of individual professors;
- 1.2 Exchange of faculty members, graduate students and undergraduate students for research and study;
- 1.3 Exchange of information in fields of interest to both two universities;
- 1.4 Development of professional and continuing education courses and programs to benefit students and faculty in two universities;
- 1.5 Exchange of scholars for lectures, talks, conferences, colloquia, symposia and sharing experiences.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

a) state recognition : Nil

b) national recognition: Nil

c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: N.A.

22. Publications:

a) No. of papers published in peer reviewed journals (national/international): –

b) Monographs:

c) Chapters in Books:

Avijit Banerjee –

- i) “17th Congress of Communist Party of China – A Roadmap for China’s Future Development and Social Stability” in the book entitled “India China Interface and the Road Ahead” edited by Dr Haraprasad Ray, published by Asiatic Society, Kolkata, February, 2012, EAN-9788192219547.
- ii) “Role of Cheena Bhavana in India's Chinese studies” in the book entitled “On China by India from civilization to nation-state edited by Chih-yu Shih, Swaran Singh, and Reena Marwah Published 2012 by Cambria Press in Amherst, NY., ISBN- 9781604978063.
- iii) Translation of Wang Bangwei's paper "History of Sino-Indian Friendship and the Ideal of World Peace" in Wang Shuying & B R Deepak (ed.) India -China Relations: Civilization Perspective, Manak, Delhi (2012) pp 7-13, ISBN- 9789378313042.
- iv) “Role of Manuscript in the Development of Chinese Writing System”, in the book entitled “Manuscript and Manuscriptology in India” edited by Subodh Gopla Nandi and Projit Kumar Palit, Kaveri Books Publisher, New Delhi, 2010, pp.147-152, **ISBN: 9788174791054.**
- v) Published two articles in Chinese on “Fa Fang” in the Book “FaFang Baodan”, edited by Liang Jian Lou, Unity Press, Beijing, China, May, 2013 pp-75-76, pp76-77, ISBN-978-7-5126-1748-3.
- d) **Edited Books:** Nil
- e) **Books with ISBN with details of publishers:**
Tandrima Pattrea –
 - i) Five Articles on Chinese Studies – A collection of Bengali Essays, Kamalini Prakshan Bibhag, Kolkata, ISBN- : 978-93-81687-41-3.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:**

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
 - i) Dr. Avijit Banerjee Selected to visit Sichuan University and Yunnan academy of social sciences, Kunming, China in June 2012.
26. **Faculty serving in**
 - a) **National committees:**
Dr. Avijit Banerjee –
 - i) Member of Research Board of the University.
 - ii) External Member of the “Centre for Chinese & South East Asian Studies” in the “School of language, Literature & Culture Studies” at Jawaharlal Nehru University, New Delhi.
 - iii) Life Member of Numismatic Society of India
 - b) **International committees:**
 - c) **Editorial Boards:**
Avijit Banerjee –
 - i) Member of the Editorial Board of Visva-Bharati Quarterly.
 - d) **Any other (please specify):**
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):** Smt Tandrima Pattrea and Sri Atreya Bhatta lead the students of Visva-Bharati and attended a 10 days orientation programme at Yunnan Normal University, Kunming, China.
28. **Student projects:**
 - a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute:** NA
29. **Awards / recognitions received at the national and international level by**
 - a) **Faculty:**
 Prof. Jayeeta Ganguly awarded the first price in Raj Bhasha Sruti Lekha Competition on 25th September 2011
 - b) **Doctoral / post doctoral fellows:**
 - c) **Students:**
 - i) Sourav Ghorui: University sports 1st Place
 - ii) Jeet Choudhury: Inter college youth festival selection (Debate) from the College – 1st Place.
 - iii) Krishna Gopal Chattri – Selection in the university football team
 - iv) Renuka Chattri – Basketball selection trail

- v) Jeet Choudhury – Selected amongst the top 30 in the essay writing competition DAMODARSHREE-2013, titled “what I can do?” by the SS Khanna girls degree college Allahabad

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) International Seminar on “Discourse on ‘Five Elements’ Concept in a philosophical and historical perspective” organized by the Department of Chinese language and Culture , Visva-Bharati from 20th to 21st march,2010.

Source of funding: Visva-Bharati

Outstanding participants: Prof. Debiprasad Duari, Director, Birla Planetarium, Kolkata.

- b) Fifth All India Conference of China Studies organised by Institute of Chinese Studies ,Delhi in collaboration with Cheena Bhavana, Visva-Bharati held on December 15-16, 2012 at Santiniketan.

Source of funding: Visva-Bharati and Institute of Chinese Studies, New Delhi.

Outstanding participants: Prof. Monoranjan Mohanty(Emirates Professor) , Prof. Sabare Mitra (JNU), Prof. Alka Achaya, Director ICS, Delhi, Prof. Sreemoti Chakroborty, Delhi University.

- c) Seminar on Vibrations between Tagore and World Culture and Literature with Special Reference to China on the occasion of the Centenary Celebration of the Award of Nobel Prize to Rabindranath Tagore : A Curtain-raiser held on December 19, 2012, at Visva-Bharati, Santiniketan in collaboration with Institute of Chinese Studies, Delhi.

Source of funding: Visva-Bharati and Institute of Chinese Studies, New Delhi.

Outstanding participants: Prof. Amartya Sen, Noble Laureate, Prof. Tan Chung (Emirates Professor), Prof. Wei Liming, (Tagore expert), Peking University, China, Prof. Bai Kiyun Yuan. (Tagore expert), China Radio International Beijing China.

- d) The Department held a seminar on 29.03.2012 on “Shu”- The Book of History. The paper was presented by Prof Arttatrana Nayak.
- e) The Department held a seminar on “18th National Congress of the Communist Party of China: 5th Generation of Leaders to take Control of the People’s Republic” at Cheena Bhavana on 5th October, 2012. The paper was presented by Dr Avijit Banerjee.

- f) A Seminar Lecture held on 11th February, 2013 at 3.30 pm. on “Historiography of the opium war (1839-42) and the state of China studies in us” organized by Department of Chinese Language & Culture, Visva-Bharati.

Source of funding: Visva-Bharati

Outstanding participants: Professor Dilip Kr. Basu (Speaker), Department of History, University of California.

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | | 189 | 71 | 72.70 | 27.30 |
| PG | | 23 | 27 | 46 | 54 |
| Ph.D | | 4 | 2 | 80 | 20 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 23.6 | 45.5 | 30 | 1 |
| PG | 33.3 | 53.4 | 13.3 | 0 |
| Ph.D | 66.66 | 33.33 | 0 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

a) NET : 01(S.C.)

35. Student progression:

| Student progression | Percentage against enrolled |
|--|---|
| UG to PG | 99% |
| PG to M.Phil. | 0 |
| PG to Ph.D. | 2% |
| Ph.D. to Post-Doctoral | 0% |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | a) 3 students are selected as Senior Interpreters in Cabinet Secretariat, Government of India b) 1 student is selected as Senior |

| | |
|---------------|---|
| | <p>Interpreters in Ministry of Defence, Government of India</p> <p>c) 4 students are selected as Senior Interpreters in Special Bureau, Kolkata, Government of India</p> <p>d) 2 students are selected as Research Assistants in Maulana Azad Institute of Asian Studies, Kolkata</p> <p>e) 20 students are placed as Interpreters/Translators in Transnational Companies like Oracle, Wipro, Hewlett Packard, etc.</p> |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|---|
| of the same university | 6 |
| from other universities within the State | |
| from universities from other States | 1 |
| from universities outside the country | 2 |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil.

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Total no. of books 45147, No. of journal received 16 nos.
- b) **Internet facilities for staff and students:** Yes.
- c) **Total number of class rooms:** 11
- d) **Class rooms with ICT facility:** 0
- e) **Students' laboratories:** NA
- f) **Research laboratories:** NA

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university':** 04
- b) **from other institutions/ universities :** 02

40. Number of post graduate students getting financial assistance from the university: Two students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No.
42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, by providing the talent and most useful knowledge and skill to the students.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: By introducing new techniques.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback:
43. List the distinguished alumni of the department (maximum 10):
 - a) Mr. Sagnik Roy – Student of the Department and presently leading Indian Businessman in China.
 - b) Mrs. China Mistry, working in the Ministry of Defence, Govt. of India.
 - c) Mrs. Anwesha Banerjee, working in Cabinet Secretariat Govt. of India.
 - d) Mr. Kallol Ghosh, working at Reuters, Chennai.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Seminars:

 - a) International Seminar on “Discourse on ‘Five Elements’ Concept in a philosophical and historical perspective” organized by the Department of Chinese language and Culture, Visva-Bharati from 20th to 21st march, 2010.
External Expert: Prof. Debiprasad Duari, Director, Birla Planetarium, Kolkata.
 - b) Fifth All India Conference of China Studies organised by Institute of Chinese Studies, Delhi in collaboration with Department of Chinese Language & Culture, Visva-Bharati held on December 15-16, 2012 at Santiniketan.
External Experts: Prof. Monoranjan Mohanty (Emirates Professor), Prof. Sabare Mitra (JNU), Prof. Alka Achaya, Director ICS, Delhi, Prof. Sreemoti Chakroborty, Delhi University.
 - c) Seminar on Vibrations between Tagore and World Culture and Literature with Special Reference to China on the occasion of the Centenary Celebration of the Award of Nobel Prize to Rabindranath Tagore: A Curtain-raiser held on December 19, 2012, at Visva-Bharati, Santiniketan in collaboration with Institute of Chinese Studies, Delhi.
External Experts: Prof. Amartya Sen, Noble Laureate, Prof. Tan Chung (Emirates Professor), Prof. Wei Liming, (Tagore expert), Peking University, China, Prof. Bai Kiyun Yuan. (Tagore expert), China Radio International Beijing

China.

- d) The Department held a seminar on 29.03.2012 on “Shu”- The Book of History. The paper was presented by Prof Artatrana Nayak.
- e) The Department held a seminar on “18th National Congress of the Communist Party of China: 5th Generation of Leaders to take Control of the People’s Republic” at Department of Chinese Language & Culture on 5th October, 2012. The paper was presented by Dr Avijit Banerjee.
- f) A Seminar Lecture held on 11th February, 2013 at 3.30 pm. on “Historiography of the opium war (1839-42) and the state of China studies in us” organized by Department of Chinese Language & Culture, Visva-Bharati.

External experts: Professor Dilip Kr. Basu (Speaker), Department of History, University of California.

- g) In order to encourage contact and cooperation between the faculty members, departments and other affiliated institutes and programmes, Visva-Bharati and Yunnan University, Kunming, China signed an MOU in July, 2011. Under this MOU, three Chinese teachers are taking part in the teaching and research programme of the department. The MOU had also provision for exchange of students and faculty between the two universities. Under this agreement students from Visva-Bharati led by one teacher from Cheena Bhavana visited Yunnan University for Summer camps on May-June 2012 and May-June 2013 consecutively and Students from Yunnan Universities led by two teachers visited Visva-Bharati on January 2013.
- h) On December 2012 the department hosted the ICS Annual Conference on Chinese Studies in India. Seminar on Vibrations between Tagore and World Culture and Literature with Special Reference to China on the occasion of Centenary Celebration.

Lectures:

- a) 09.12.11- Prof Yinxinan of Sichuan University, China made a visit to Department of Chinese Language & Culture and delivered a speech.

45. List the teaching methods adopted by the faculty for different programmes:

Teachers from China visit the Department for Six months and Three months tenure to impart advanced knowledge in Chinese Language on regular basis. Students are guided with up to date news materials from Chinese News Papers as well as materials downloaded from the Internet to enhance their language skills and also their out knowledge. They are regularly shown Documentary Programmes, TV News from China Central Television as well as Chinese Films to improve their language facilities. Books as well as journals written or edited by internationally reputed authors and publishers are use as part of the curriculum. Besides language books currently used in

China for students in Chinese Language are employed for students of Cheena Bhavana. Quiz Competition are also held for Students in Cheena Bhavana to give a firsthand knowledge in Chinese History, literature, International Relation.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Examinations are conducted on Semester basis. Besides Internal Assessment Tests are conducted roughly at three months interval. The system of Oral Test is in practice for all the classes. Students are encouraged to present seminar / discussion papers on various China related issues.

47. Highlight the participation of students and faculty in extension activities:

- a) Sourav Ghorui: University sports 1st Place.
- b) Jeet Choudhury: Inter college youth festival selection (Debate) from the College – 1st Place.
- c) Krishna Gopal Chattri – Selection in the university football team.
- d) Renuka Chattri – Basketball selection trail.
- e) Jeet Choudhury – Selected amongst the top 30 in the essay writing competition DAMODARSHREE-2013, titled “what I can do?” by the SS Khanna girls degree college Allahabad

48. Give details of “beyond syllabus scholarly activities” of the department:

Prof. Jayeeta Ganguly –

- a) Attended an International Seminar on “Understanding Tagore: New Perspectives and Research organized by the Research Centre of Eastern Literature, Center for India studies Department of South Asian studies, Peking university on 23rd – 24th August, 2010 and presented a paper entitled “Tagore’s ideals of Buddhism- a review.
- b) Attended an International Seminar on “India-China Interface” held in the Department of Foreign Language, Banaras Hindu university on January, 10-11, 2011 and presented a paper entitled “Reviewing of Tagorean Buddhistic ideals.”
- c) Attended the 27th session of the Pasaimbanga Itihas Sansad held in the Department of Archaeology, Calcutta University on 24th -26th January, 2011 and presented a paper entitled “Bauddha Nitisastra”
- d) Attended the International conference on Buddhist linkages in South and South – East Asia: Perspectives 8 prospects jointly organised by the Department of Buddhist Studies (under DSA (UGC) program, university of Delhi, Delhi and the ICCR, New Delhi in the conference centre, University of Delhi, Delhi from 7-9th Oct, 2011 and presented a paper entitled “A study of the Pamsupradanauadana in the light of Chinese Translations.

- e) Attended the 10th conference of the International congress of Social Philosophy organised by the Jagannth University, Dhaka, Bangladesh held in Jagannath University Dhaka, from 2nd to 4th December, 2011, Focal Theme:, Democracy, Civil society and Governance presented a paper entitled “Religion and Emerging World order.”
- f) Attended the 28th Annual session of the Pascimbanga Itihas samsad held in Vivekananda College, Thakurpukur from 24th – 26th January, 2012, and presented a paper entitled “China bhaseye Rotnalate sutra antabhukta Ratnarasi sutra – Ekti Parjalocana.”
- g) Attended the Fifth All India Conference of China studies held in Visva-Bharati, Santiniketan from December 15-16th 2012 and presented a paper entitled “Buddhism, Confucianism and Taoism; their relevance in the present day world in session Four: Emerging Trends in China studies- History, Philosophy & Religion.”
- h) Attended the 29th session of the Pascimbanga Itihas Samsad held in Lady Brabourne College, Kolkata from 24th – 26th January, 2013, and presented a paper entitled “Bartamaan Samaje Buddher Upadesavali Prasangikata”

Dr. Avijit Baneerjee –

- a) Presented a paper on “ Prospect And Opportunities For India-China Educational Cooperation” in the Seminar on “ 60 Years of Co-operation in Economy & Business, Education, and Culture” organized by Gitam University, Vishakapatnam and Embassy of the People’s Republic of China in India on 12th November, 2010 at Hyderabad.
- b) Presented a paper on “ Development of China Studies in the SAARC Region” in the “ Third All India Conference of China Studies” organized by Institute of China Studies, New Delhi and Jadavpur University from 20th to 21st December, 2010 at Kolkata.
- c) Presented a paper on “Rabindranath Tagore-The Symbol of India-China Friendship” in the International Seminar on “Many Rabindranaths: Across Space and Time” organized by Jadavpur University, Kolkata from 28th to 30th March 2011.
- d) Presented a paper on “History of Sinology in India since 20th Century” in the International Conference on ‘Chinese Literature in Global Contexts’ organized by Beijing Normal University, Beijing, People’s Republic of China, from 28th to 30th April, 2011.
- e) Presented a paper on “A Review of the Development of New Words in China since the Period of Reform and Opening up” in the “Fourth All India Conference of China Studies” organized by Institute of China Studies, New Delhi and University of Hyderabad from 8th to 9th November, 2011 at Hyderabad.

- f) Presented a paper on “Prospect and Opportunities for Educational Cooperation between Yunnan and West Bengal” in the 7th Kolkata 2 Kunming Forum organized by the Maulana Azad Institute of Asian Studies, Kolkata from 29th to 30th December, 2011 at Kolkata.
- g) Acted as simultaneous interpreter during Kolkata Literary Festival, 2012, when China’s Man Asian Literary Prize winner Author Bi Feiyu (毕飞宇) was in conversation with Dr Sugata Bose, Gardiner Professor of Oceanic History and Affairs at Harvard University on 16th January, 2012.
- h) Presented a paper on “Children’s Literature in China- From May 4th to the Present Period” in the National Seminar on “Children’s Literature : Sense and Nonsense” organized by the department of English and other Modern European Languages, Visva-Bharati on 29th January, 2012.
- i) Participated in the National Seminar on Rabindrabichitra organized by Visva-Bharati Adhyapak Sabha from 11th to 12th Feb, 2012.
- j) Presented a paper on “Impact of Tagore’s writings on China” in the National Seminar on Gurudev Rabindranath Tagore organized by the Department of Bengali on 16th February, 2012.
- k) Acted as one of the Chairperson in the National Seminar on “ Jagadish Chandra, Rabindranath, Prafulla Chandra and National Integration” organized by Indira Gandhi Centre for National Integration, Santiniketan, Bose Institute, Kolkata and Indian Science News Association, Kolkata on 26th January at Santiniketan.
- l) Delivered a lecture on “prospect of Translation Studies in India” in the National Seminar –Cum-Workshop on “Translation Studies” organized by Department of Odia, Visva-Bharati from 22nd to 25th March, 2012.
- m) Co-Convenor of the Fifth All India Conference of China Studies held on December 15-16, 2012 at Santiniketan in collaboration with the Institute of Chinese Studies, Delhi.
- n) Co Convenor of the seminar on “Vibrations between Tagore and World Culture and Literature with Special Reference to China on the Occasion of the Centenary Celebration of the Award of Nobel Prize to Rabindranath Tagore : A Curtain-raiser” held on December 19, 2012, at Visva-Bharati, Santiniketan in collaboration with Institute of Chinese Studies, Delhi.
- o) Delivered a Lecture on “History and Prospect for India China Educational Cooperation” in the Institute of South Asian Studies, Sichuan University, China on 15th June, 2012.
- p) Presented a paper on “Teaching and Learning of Chinese at Cheena Bhavana” in the Roundtable on “Teaching and Learning of Chinese Language in India” organized by the Centre of Chinese and Southeast Asia Studies, JNU, New Delhi

on 9th August, 2012.

- q) Presented a paper on “Institutionalizing China Studies in India” at the All India China Scholars Colloquium organized by the Institute of Chinese Studies at Delhi on 11th August, 2012.
- r) Paper presented on “Sinology and the State of Chinese Teaching in India Since 1937” in the Third World Conference on Sinology from 3rd to 5th November 2012 in Renmin University, Beijing.
- s) Presented a paper on “18th National Congress of the Communist Party of China: 5th Generation of Leaders to take Control of the People’s Republic” at Cheena Bhavana on 5th October, 2012.
- t) Participated in the One Day Workshop on National E-Governance Plan (NEGP) held on 3rd December, 2012 at Visva-Bharati organized by the Computer Centre, Visva-Bharati and sponsored by Department of Electronics and Information Technology, Government of India.
- u) Presented a paper on “An Account of Indian Scholars in China during Tang Dynasty” in the Fifth All India Conference of China Studies organised by Institute of Chinese Studies, Delhi in collaboration with Cheena Bhavana, Visva-Bharati held on December 15-16, 2012 at Santiniketan.
- v) Presented a paper on “Tagore’s Visit to China: A Historical Event in the Annals of Indo-China Relations” in the International Conference on “Tagore and His Global Vision: Forging Bonds with the World” held on January 14-15, 2013 organised by the Department of History, Visva-Bharati, Santiniketan under the auspices of the ICSSR, ICHR and Visva-Bharati.
- w) Delivered a lecture on “Writing System of Indian Languages” in the “Basic Level Workshop on Manuscriptology and Palaeography” held from 21st January to 10th Feb, 2013 organized by Department of Odia, Visva-Bharati in collaboration with National Manuscript Mission, New Delhi.
- x) Presented a paper on “Impact of Geetanjali on the Chinese poets” in the National Seminar on “Impact of Geetanjali on Indian Literature” organized by Department of Odia, Visva-Bharati in collaboration with Sahitya Academi, New Delhi on March 1-2, 2013.
- y) Presented a paper on “Reception of Buddhism in China” in the 3 Day National Seminar on “Prospective of Buddhist Studies” organized by Centre for Buddhist Studies, Visva-Bharati on March 23-25, 2013.

Tandrima Pattrea –

- a) Attended the 19th Refresher Course in Environmental and Human Values from 27th August 2011 to 16th September 2011 in the Burdwan University, sponsored by UGC and obtained Grade ‘A’.

- b) Achievement during 01.04.2012- 31.03.2013 : Went to Yunnan University, China, for 10 days from 27th May, 2012 to 6th June, 2012 as the Teacher-in-Charge for a group of students from Visva-Bharati; Participated in numerous activities including Seminars-talks & fairs.

Chiranib Sinha –

- a) Translated Chinese story “Dengji” by Zhao Shuli into English, December 2011. Appointed as external examiner in Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, November, 2011.
- b) Participated National Seminar On Rabindrabichitra, VBAS, VB, February, 2012.

Sri Atreya Bhatta –

- a) Participated in the One day Collegium of Research Scholars on Chinese Studies organized by the Institute for Chinese Studies, New Delhi on 5th March and presented the research design in seminar form.
- b) Attended the International Seminar on “Many Rabindranaths: Across space and Time “ organized by Jadavpur University (History Department) on 28th March 2011.
- c) Participated in the ICS conference held at Hyderabad University in November, 2011 and presented a paper entitled “May 30th Incident of 1925 and its impact on Chinese Literary Thought”.
- d) Achievements for the year 2012-2013 : Attended the International Conference on Chinese Studies Organized by the Institute for Chinese Studies, New Delhi at Visva-Bharati on 15th – 16th December, 2012 and Presented a Paper entitled “**The Impact of the May Thirtieth Movement on Chinese Literary Thought**”.

49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:** No
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
 - a) Updation of curriculum to meet the national and global trends.
 - b) Remedial coaching classes.
 - c) Availability of books in the library.
51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
 - a) **Strengths** :
 - i) Innovative Teaching-Learning and Evaluation methods.
 - ii) Feedback from all stake holders
 - iii) Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.

- iv) To build teamwork, sportsmanship and leadership qualities, students are encouraged to participate in various extracurricular activities.
- v) The Memorandum of Understanding with Yunnan University, China facilitate the visit of Chinese teachers to the Department at regular interval and help in improving the overall Chinese ability of the students and faculty member to a large extent.

b) Weaknesses:

- i) In conforming with the demands of Chinese Language, the department requires to offer new courses.
- ii) English Language Skill should be improved.
- iii) Requires more faculty
- iv) Knowledge of Historiography and Social Science is required
- v) Research Methodology Skills are required.

c) Opportunities:

- i) More Chinese Universities want to collaborate in various capacities.
- ii) Government Agencies require more Chinese interpreters / Translators and Chinese Experts.
- iii) Research institute specializing on subjects in Humanities and Social Sciences also require Chinese Experts.
- iv) Various Academic Institutions in India (Schools, Colleges and Universities) require persons versed in Chinese Language for their Curriculum.
- v) In the Corporate Sector in view of burgeoning Sino-Indian Business Relations Chinese Interpreter / Translator are require on a large scale.

d) Challenges:

- i) To cope up with the increasing demands of the Society
- ii) To Improve English language Skills
- iii) To continue to attract more students and raise the present academic standard of the department.
- iv) To meet the students satisfaction which is the ultimate goal of the department.
- v) To develop the research aptitude of the students.

52. Future plans of the department:

- a) To build a language laboratory which will in turn help the students to learn Chinese through state of the art audio visual system.
- b) Invite more scholars from within the country and China for delivering lectures.
- c) There are plans to build up an accommodation for the Visiting Scholars from China with the help of the Chinese Government.

Evaluative Report of the Department of Japanese

1. **Name of the Department :** Department of Japanese
2. **Year of establishment :** 1954
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved :** N/A
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 - a) Since 1990 every year the department is conducting cultural exchange programme with Chikushi Jogakuen University, Fukuoka, Japan.
 - b) Since 2011 the department is conducting cultural exchange programme with Kyoto Bunkyo University, Kyoto, Japan.
 - c) Besides the cultural exchange academic interactions between students and members of the faculty take place. These interactions are very important for the students of foreign language (Japanese) to improve their language skills and to understand the cultural behavior of native speaker.
7. **Details of programmes discontinued, if any, with reasons:**
Certificate and Diploma Courses:
With the introduction of Under-graduate and Post-graduate courses it became impossible to run the above-mentioned courses due to shortage of permanent faculty members.
Moreover, there was a noticeable decline from the number of students joining the courses to those finally writing the exams. Thus the department had to discontinue the courses.
8. **Examination System:** Semester System.
9. **Participation of the department in the courses offered by other departments:**
 - a) For UG students Dept. of Environmental Studies (Course: Environmental Science)

- b) For UG students Rabindra Bhavana (Course: Tagore Studies)
 c) Japanese department deputed teachers to the High School wing of the University to conduct Japanese Language courses.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | Nil | Nil | Nil |
| Associate Professors | Two | None | One |
| Asst. Professors | Five | Three | --- |
| Others | | | |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Gita A Keeni
Qualification : M.A. in Philosophy, M.A. in Japanese History
Designation : Associate Professor
Specialization : Philosophy, Japanese Language & Literature (Miyazawa Kenji), Culture and History
No. of Years of Experience : 24
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) **Name** : Ajoy Kumar Das
Qualification : M A in Japanese, UGC NET+JRF
Designation : Assistant Professor
Specialization : Japanese Language and Literature
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) **Name** : Sudipta Das
Qualification : M.A. in Japanese, UGC NET+JRF
Designation : Assistant Professor
Specialization : Japanese Language, Literature and Culture
No. of Years of Experience : 02 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof. K. Niitsu, *International Christian University, Mitaka, Japan Foundation Visiting Professor Programme* (Oct 2007~ March 2008)
- b) Ms. Aya Matsumoto, *Volunteer Teacher from Japan International Cooperation Agency (JICA), Japan* (February 2008 – December 2009)
- c) Ms. Mami Miura, *Volunteer Teacher from Japan International Cooperation Agency (JICA), Japan* (November 2008 – July 2009)
- d) Ms. Mikiko Kondo, *Volunteer Teacher from Japan International Cooperation Agency (JICA), Japan* (2010 – 2012)
- e) Mr. M. Noro, *Former Consul General of Japan, Kolkata* (November 2011 – January 2012)

13. Percentage of classes taken by temporary faculty — programme-wise :

- a) Preparatory Course : 100%
- b) UG : 19%
- c) PG : 38%

14. Programme-wise Student Teacher Ratio :

- a) Preparatory Course : 12 : 1
- b) UG: 9 : 1
- c) PG: 2 : 1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | 04 | 04 | 04 |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

The thrust area of the department is language teaching. This is recognized by the Japan Foundation. The Japan Foundation supports the department through grants in the form of books on Japanese language, Culture and also on History and Society.

Every year Japan Foundation also provides opportunity to our students to undergo 6 week Language Training Programme in Japan.

Japanese companies in Kolkata are showing interest in the department. One such company (Nomura Research Financial Cooperation India Pvt. Ltd.) has visited the department and has explained their projects to our students.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

Initial discussions are in the process ,with various Japanese companies (Namely Yamamoto Corporation , Oshimo Ltd. ,J Pro Co. Ltd.), to have an agreement with Japanese Department . The main objective of such an agreement will be to train our students (who have successfully completed various Japanese Language Courses) as “On the Job Trainees”/ “Interns”. These trainings will be based on Japanese principles of Work culture, Work ethics, Technical Knowhow etc. & On completion of Training, placements (job) in various Industries will also be considered.

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: Nil

b) International collaboration:

Discussions have recently been initiated with Japanese Universities to have (under agreement):-

- i) Student and Faculty exchange Programs with a view to give more professional exposure especially to the students from both the countries.
- ii) To provide support to our students to study at those universities.
- iii) To arrange scholarships for Short & Long term courses for the students.
- iv) To regularly set up programs, to be attended by the students and the faculty members from both the Universities to focus more on the job oriented courses (like including Technical / Engineering Terms in the course etc.) and counseling on job placements in Japan.
- v) The main objective of this program will be to prepare students who will be well conversant with Japanese etiquette, culture, philosophy and the Jap. Language as well, that will positively enhance the job opportunities in the Japanese companies throughout the world.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

a) state recognition :

b) national recognition: Nil

c) international recognition:

The Japanese Department in Visva-Bharati is the oldest department in the country to offer formal Japanese Language courses. It may be recalled here that Prof. Satya Bhusan Verma, one of the founder members of the Japanese

Language Centre, JNU learnt the language in this department. The department was graced by many eminent scholars till very recent time. In fact the department was solely nurtured by the Japanese scholars till the Indian faculty joined in 1985. The Japanese scholars have enriched the departmental library with their personal collection on Buddhism, Japanese Literature, History, Society etc. They also have carefully collected selected books on the above-mentioned subjects while requesting for the book donation programme of the Japan Foundation and other funding agencies. Japanese foreign students of Visva-Bharati as well as Indian students and scholars interested in Japan do make use the departmental library.

21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Nil
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals (national/international):** –
Ms. Gita A Keeni – 07
Mr. Ajoy Kumar Das – 01
Mr. Sudipta Das – 03
Mr. Aliul Azim – 01
 - b) **Monographs:**
 - c) **Chapters in Books:**
 - d) **Edited Books:**
 - e) **Books with ISBN with details of publishers:**
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated:** Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Ms. Gita A Keeni – Received the Japan Foundation Fellowship (2011-12) for one year to carry out research at the International Research Center for Japanese Studies, Kyoto, Japan.

26. Faculty serving in

a) National committees:

Ms. Gita A Keeni –

- i) Vice President, East India Japanese Language Teachers' Association (EIJALTA)
- ii) Founder member of Japanese Language Teachers' Association of India (JALTAI)
- iii) Life Member of *Monbusho* Scholars' Association of India (MOSAI)
- iv) Life Member of Indian Association for Asia-Pacific Studies (IAAPS)

Mr. Ajoy Kumar Das –

- i) Life Member of Japanese Language Teachers' Association of India (JALTAI)
- ii) Life Member of *Monbusho* Scholars' Association of India (MOSAI)

b) International committees: None

c) Editorial Boards: None

d) Any other (please specify): None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Refresher Course: Mr. Ajoy Kumar Das (2012 & 2013).

28. Student projects:

- a) percentage of students who have done in-house projects including interdepartmental projects: 100% (PG Students)
- b) percentage of students doing projects in collaboration with other universities / industry / institute: None

29. Awards / recognitions received at the national and international level by

a) Faculty:

Mr. Sudipta Das –

- i) Junior Research Fellowship (UGC) in December, 2012.
- ii) Short Term Research Programme of Japan Foundation

Md. Aliul Azim –

- i) Junior Research Fellowship (UGC) in July 2012.

Ms. Gita A Keeni –

i) Japan Foundation Fellowship Programme (2011-12).

b) **Doctoral / post doctoral fellows:** Nil

c) **Students:**

MEXT Scholarship – 2

| Sl. no | Name of the students | Year | Name of the University |
|--------|----------------------|-------------|----------------------------------|
| 1. | Aneesha Nishat | 2012 ~ 2013 | Nagoya University, Nagoya, Japan |
| 2. | Sudip Singha | 2012 ~ 2013 | Nagoya University, Nagoya, Japan |

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- Ms. Chikae Taniguchi, Director of the Japan Poet Club along with 20 poets of Japan visited Santiniketan in February 2012. An International Exchange with the Japan Poet Club, Tokyo was organized during their stay.
- A team headed by Prof. Nakamura from Chikushi Jogakuen University, Kyushu, Japan, visited the department from 18th to 20th February 2013 and had a cultural interaction with the students and members of the faculty.
- A team from Kyoto Bunkyo University, Kyoto, Japan, visited the department as a part of their 'Cultural Exchange and Field Work Program in India' from 11th to 23rd November 2012.
- Origami Workshop (November 2012) conducted by Origami experts from Japan.

31. Code of ethics for research followed by the departments: N/A

As per University Rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG (2012) | Through VBCAT | | | | |
| UG (2013) | Through VBCAT | 23 | 14 | | |
| PG (2012) | Through VBCAT | | | | |
| PG (2013) | Through VBCAT | 09 | 07 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG (2012) | 50% | 47% | 2% | 1% |
| UG (2013) | 50% | 50% | -- | -- |
| PG (2012) | 50% | 50% | -- | -- |
| PG (2013) | 50% | 48% | 1% | 1% |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

a) 2 Students NET 2012 July and December

35. Student progression:

| Student progression | Percentage against enrolled |
|--|--|
| UG to PG | 66% |
| PG to M.Phil. | N/A |
| PG to Ph.D. | 8% |
| Ph.D. to Post-Doctoral | N/A |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | <p>§ Nippon Steel, Jamshedpur visited the department in the year 2011 and recruited few students.</p> <p>§ Nomura Research Institute Financial Technologies India Pvt. Ltd., Kolkata visited the department on January 24, 2014 to introduce their projects. Some of our students have been selected to appear before the Interview board.</p> |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 57% |
| from other universities within the State | --- |
| from universities from other States | 14% |
| from universities outside the country | 28% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | None |
| Ph.D. | None |
| D.Litt | None |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** The library has good number of books on Japan. It provides reading room facility.
- b) **Internet facilities for staff and students:** Available.
- c) **Total number of class rooms:** 03
- d) **Class rooms with ICT facility:** None
- e) **Students' laboratories:** None
- f) **Research laboratories:** None

39. List of doctoral, post-doctoral students and Research Associates:**a) from the host institution/university':**

Doctoral Students:

- i) Md. Aliul Azim
- ii) Mr. Sudipta Das

b) from other institutions/ universities :

Doctoral Students:

- i) Mr. Ajoy Kumar Das

40. Number of post graduate students getting financial assistance from the university: None**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No****42. Does the department obtain feedback from**

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** The faculty meets twice in a month

to discuss the progress of teaching. Problems in teaching are discussed in detail and new methods are introduced to overcome the problem.

- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The faculty sit with the students to know their expectations from the department. Based on their demands the department has introduced *conversation classes*, *Essay writing classes*, *Reading practice classes* and also classes on *Japanese mannerism*. The department intends to introduce *calligraphy classes* and *origami classes* for the students. Also intends to screen *Japanese movie* once in a month.
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Alumni are the strength of any department. Same is true in case of Japanese Department too. The alumni visit the department often and give us feedback on the requirements of their workplace. This helps the faculty to design the teaching programme.

43. **List the distinguished alumni of the department (maximum 10):** Nil

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

Special Lectures –

- a) Prof. Masahiko Togawa, Associate Professor, Hiroshima University, Japan delivered a lecture on ‘Okakura Tenshin and Tagore’ on October 28, 2013.
- b) Mr. Mitsuo Kawaguchi, Consul General of Japan, Kolkata delivered a special lecture on ‘Indo-Japan Relations’ on November 15, 2013.
- c) Prof. Uji, Professor, Chikushi Jogakuen University will deliver a lecture on ‘Japanese Culture and Buddhism’ on February 22, 2014.
- d) Prof. Kaburagi, Assistant Professor, Osaka University will deliver a lecture on ‘Indian Influence on Japanese Culture – Over-1000-Years Interaction across Eurasia’ on February 25, 2014.
- e) Prof. Francis Britto, Professor of English and Sociolinguistics, Sophia university, Tokyo, Japan will interact with our students February 28, 2014.
- f) The department organized ‘Japan Education Fair’ for the students of different departments of the university on January 24, 2014. Representatives of the University Tokyo India Office and Ritsumeikan University India Office came to Santiniketan. They explained various academic programmes and conducted students counselling session.

45. **List the teaching methods adopted by the faculty for different programmes:**

- a) **Preparatory –** Audio classes, Lectures using black board/ white board and showing pictures/ articles etc.

- b) **UG & PG** - Lectures using black board/ white board Students are asked to make presentations time to time.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
Through performance in Japanese Language Proficiency Tests (JLPT).
- 47. Highlight the participation of students and faculty in extension activities:**
- Students actively participate in the Japanese Language Speech Contest, Japanese Language Proficiency Test (JLPT) etc.
 - Cultural Exchange programs with different Universities of Japan are arranged every year. Students actively participate in this programme.
 - Japanese Film are screened to give an idea of the society to the students.
 - Department intends to introduce Japanese Calligraphy classes for interested students.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- Since 1990 every year the department is conducting cultural exchange programme with Chikushi Jogakuen University, Fukuoka, Japan.
 - Since 2011 the department is conducting cultural exchange programme with Kyoto Bunkyo University, Kyoto, Japan.
 - Cultural exchange academic interactions between students and members of the faculty take place. These interactions are very important for the students of foreign language (Japanese) to improve their language skills and to understand the cultural behaviour of native speaker.
 - Together with this, the department has introduced classes on Japanese conversation, Essay writing, Calligraphy, Japanese songs. The department is also working hard to make recording of Tagore songs in Japanese by the students of Japanese department.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
Japanese Department in Visva-Bharati is the only institution in the Eastern Region that offers Under-graduate and Post Graduate programmes in Japanese language. It helps other institutions in this region to build their curriculum.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Visva-Bharati is the only University offering Under-graduate and Post-Graduate courses in Japanese Language the Eastern Region.
- ii) Our students get placements in various organizations.
- iii) Our library has good collection of books on Japan.
- iv) The department receives active support from the Japanese Consulate, Kolkata, and also from Japan Foundation New Delhi Office.
- v) In the year 2011 the Doctoral program was introduced.

b) Weaknesses:

- i) Shortage of faculty members.
- ii) Shortage of Classrooms.
- iii) Non-availability of full time Librarian
- iv) Lack of proper physical facilities for the faculty
- v) Lack of proper physical facilities for the students

c) Opportunities:

- i) The Indo –Japan relation is strengthening day-by-day, therefore the students will have better employment prospects.
- ii) MEXT provides short term and long term scholarships to our students every year.
- iii) The department organized a ‘Japan Education Fair’ where the representatives from the Indian offices of the Ritsumeikan University and the University of Tokyo, provided information not only to Japanese Department students but also to the students of other departments of the university. This will enhance educational and academic exchange between the two countries.
- iv) A number of Japanese companies are taking interest in the department and we hope to work together with the placement cell so that our students are selected through the process of campus interviews.
- v) Visitors from Japan quite often visit our department and interact with the students.

d) Challenges:

- i) To create a chair for the Japanese Department so that constantly renowned Japanese academicians from leading universities and research institutes can be appointed on a long term basis (at least for a year or two).
- ii) To obtain quality teaching materials for the students as very few are available in the Indian market.
- iii) To prepare skilled and dedicated teaching staff to cope up with the future demands.

- iv) To enhance the present status of the library with more research oriented journals and periodicals to meet the future challenges in the research arena.
- v) To provide audio-visual facilities for the students of various levels.

52. Future plans of the department:

The department intends to expand to keep pace with the present requirement of Japanese Language in India. Along with its development in the new academic fields, the department aims to grow as a cultural centre as well as a research centre for Japanese Studies in order to have a better understanding of both the societies. The library with a large number of books in Japanese and in English (on Japan) can provide necessary guidance to the scholars of Japanese Studies. A number of Japanese universities and educational institutions in Japan are showing interest to establish cultural as well as academic ties with the department of Japanese, Nippon-Bhavana. This endeavour of the department may work as an impetus to enrich the international character of the university and strengthen the age-old cultural relation between India & Japan.

Evaluative Report of the Department of Indo-Tibetan Studies

1. **Name of the Department :** Department of Indo-Tibetan Studies
2. **Year of establishment :** 1954
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D., Foreign Casual Course (FCC), CC (Casual Course)
5. **Interdisciplinary programmes and departments involved :** Interdisciplinary Lecture Series [Department of Sanskrit, Pali & Prakrit, Department of Chinese and Department of Philosophy and Religion].
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
An initiative has been taken by the Department of Indo-Tibetan Studies to introduce a Cultural Exchange Programme with the Royal University of Bhutan.
7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System:** Semester System and Choice Based Credit System.
9. **Participation of the department in the courses offered by other departments:**
Some students of this department took active participation in the Certificate Course run by the Department of Sanskrit and DEOMEL, Visva-Bharati.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 02 | 00 | 00 |
| Associate Professors | 02 | 02 | 00 |
| Asst. Professors | 04 | 04 | 04 |
| Others | Nil | Nil | Nil |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Dr Anandamayee Ghosh
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Tibetan Language and Buddhist Vinaya
No. of Years of Experience : 15+
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- b) **Name** : Dr. Sanjib Kumar Das
Qualification : M.A., Ph.D
Designation : Associate Professor
Specialization : Tibetan Buddhism & Tibetan Language
No. of Years of Experience : 5+
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- c) **Name** : Dr. Prakriti Chakraborty
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : History of Tibet
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- d) **Name** : Dr. Shedup Tenzin
Qualification : M.Phil, Ph.D
Designation : Assistant Professor
Specialization : Tibetan Buddhism
No. of Years of Experience : 11+
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- e) **Name** : Dr. Sonam Zangpo
Qualification : M.A., B.Ed., Ph.D
Designation : Assistant Professor
Specialization : Indo-Tibetan Buddhism, Language & Culture
No. of Years of Experience : 2+
No. of Ph.D./M.Phil. students

- guided for the last 4 years : Nil
- f) **Name** : Norbu Gyaltzen Negi
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Tibetan Language & Culture
No. of Years of Experience : Recently joined
No. of Ph.D./M.Phil. students
 guided for the last 4 years : Nil
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
- Prof. Suniti Kumar Pathak, Rtd. Professor
 - Prof. Kalyan Bagchi, Emeritus Professor
 - Dr. Bela Bhattacharya, Rtd. Professor, Department of Pali, University of Calcutta.
 - Ven. Bhikkhu Rakshita, Vipassana Master
 - Ven. Prof. Jinabodhi Bhikkhu, Chittagong University, Bangladesh
13. **Percentage of classes taken by temporary faculty — programme-wise: NA**
14. **Programme-wise Student Teacher Ratio :**
- UG: 3 : 1
 - PG: 6.5 : 1
 - Ph.D: 3 : 1
 - CC+FCC: .5 : 1
15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:**
- | | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | 03 | 04 | 04 |
| Support staff (technical) | Nil | Nil | Nil |
16. **Research thrust areas as recognized by major funding agencies:**
- Indo-Tibetan Culture
 - Buddhist Studies
 - Tibetan Buddhism
 - Translation, Restoration and Editing
17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**
- Translation and Editing Project offered to Dr. Sanjib Kumar Das by the Central Institute of Buddhist Studies, Choglamsar, Leh (Ladakh) and the remuneration will be given as admissible under the Institute's rule. No grants have so far been taken

in advance. The name of the text which is to be translated into English from Hindi and edited the same is- Encyclopedia of Himalayan Buddhist Cultural Kosh.

- b) Translation and Editing Project offered to Dr. Sanjib Kumar Das by Karmapa International Buddhist Institute, New Delhi. The remuneration will be given as admissible under rule. No grants have so far been taken in advance. The name of the text in English which is to be translated into English from Tibetan is- Essential Compendium of Tenets 'The Grains of Quotation and Reasoning'

18. Inter-institutional collaborative projects and associated grants

National collaboration:

a) One or two faculty members have applied to join the Kagyur [Buddhavaçana] Translation programme run by Prof. Bob Thurman and H. E. Kagyur Rinpoche, USA. The remuneration will be given as admissible under rule but when the work finished. Besides, the faculty members have also undertaken some small Research Project offered by Visva-Bharati under Partial Research Grants and its details are as follow:

| Ongoing Project undertaken by | Total grants received | Funding Agency | Project Title |
|-------------------------------|-----------------------|----------------|--|
| Dr. Anandamayee Ghosh | Rs. 2300/- | Visva-Bharati | Tri-Lingual [Chinese-Sanskrit-Tibetan] Glossary of Buddhist Technical Terms |
| Dr. Sanjib Kumar Das | Rs. 2300/- | Visva-Bharati | Critical Edition and Translation of the text titled "Dohākośa-nāma-Mahāmudrā-Upadeśa [Tib. doha mdzod ces bya ba phyag rgya chenpo' man ngag]" from Tibetan into Hindi and English |

b) international collaboration: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: None

20. Research facility / centre with

a) state recognition :

b) national recognition:

c) international recognition:

Indo-Tibetan Studies was established as a separate Post Graduate Centre with the financial assistance from the University Grants Commission (UGC) to promote research on age-long cultural relations between India and Tibet. For a better

understanding of the Tibetan scriptures and to remove ambiguities during the study of independent and indigenous Tibetan commentaries several scholastic Tibetan scholars were invited to Santiniketan to work in collaboration with Indian scholars in order to promote systematic study and investigation of Indo-Cultural relations down the ages. In course of time, Visva-Bharati became a leading international centre for research on Indo-Tibetan Studies and Buddhism. In the 70's renowned Tibetologist and Buddhist scholars like John Reynolds, Martin Brood, Keith Dowman and James Low had their research basis in Santiniketan. Accordingly for the last many years, the department has been offering research facility for Ph.D degree. Not only from Indian peninsula, but many students from several other countries like Vietnam, Nepal, Bhutan, Austria etc., have joined the course and pursued their research for Ph.D till date.

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications:

a) No. of papers published in peer reviewed journals (national/international): –

- i) Dr. Anandamayee Ghosh - 06
- ii) Dr. Sanjib Kumar Das - 11
- iii) Dr. Prakriti Chakraborty- 04

b) Monographs: Nil

c) Chapters in Books:

Dr. Shedup Tenzin -

- i) "The Non-Apprehension ('dzin med) of Luminosity and Emptiness: A Lam 'dras view of the Sakya Tradition" in the book entitled "Tantric Literature and Culture Hermeneutics & Expository, Edited by Prof. Dr. Andrea Loseries", Buddhist World Press, Delhi, 2013, ISBN 13 9789380852201.
- ii) "Bell Inscriptions of bTsan po Dynasty", Dimensions of Buddhism and Jainism in the book entitled "Prof. Suniti Kumar Pathak Felicitation Volume edited by Mukherjee Ramaranjan", Sanskrit Book Depot, Kol., 2009.

d) Edited Books:

Dr. Sanjib Kumar Das –

- i) 'Mahāyānottara-Tantra' by Maitreyanath and its commentary 'Mahāyānottara-Tantra-Śāstra-Vyākhyā-Ca' by Ārya Asanga, Central Institute of Buddhist Studies, Leh.
- ii) Students-Friend, Central Institute of Buddhist Studies, Leh.
- iii) Sambypa Lonchen Rabjam ki Jivani, Central Institute of Buddhist Studies,

- Leh.
- iv) Sakya Pandita Kunga Gyaltsan Pal Zangpo ki Jivani, Central Institute of Buddhist Studies, Leh.
- v) Biography of Indian Buddhist Acaryas, Central Institute of Buddhist Studies, Leh.
- vi) Notes on Preliminary Practice, Central Institute of Buddhist Studies, Leh.
- vii) The Schismatic Buddhism in India: Ideology and Genesis [Upto 12th Century], Buddhist World Press, New Delhi.
- viii) Prajnadanda, Karmapa International Buddhist Institute, New Delhi.
- ix) Sutrasamuccaya by Nagarjuna, Central University of Tibetan Studies.
- x) A Guide to Preliminary Buddhist Practices and Prayers, Central University of Tibetan Studies.
- xi) Dhongyud Palden Drukpa's Doctrine in Ladakh, Ven. Tsewang Rigzin.
- xii) Wonderful Examples of Graphics, Padmashree Tsering Wangdus.
- xiii) Manual for Tibetan Lesson, Karmapa International Buddhist Institute, New Delhi.
- xiv) Stakna Monastery and its Museum, Stakna Labrang.
- e) **Books with ISBN with details of publishers:**
 - Dr. Anandamayee Ghosh –**
 - i) Buddhist Vinayas: A Focus (w.r.t. to Mulasarvastivada Vianaya), Buddhist World Press, Delhi, 2013, ISBN: 81-7646-569-0.
 - Dr. Sanjib Kumar Das –**
 - i) Sutrasamuccaya, Central University of Tibetan Studies, Sarnath, Varanasi, 2012, ISBN: 978-93-80-282-32-9.
 - ii) Manual for Tibetan Lesson, Karmapa International Buddhist Institute, New Delhi, 2013, ISBN: 819271891-3.
 - iii) Basic Buddhist Terminology, KRPC, Sarnath, Varanasi, 2009.
 - iv) Students-Friend, Central Institute of Buddhist Studies, Leh (Ladakh), 2009.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated: Nil**

- 24. Areas of consultancy and income generated:** None.
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** None
- 26. Faculty serving in**
- a) National committees:**
- Dr. Anandamayee Ghosh –**
- i) Life Member of All India Oriental Studies, Bhandarkar Oriental Research Institution, Pune, 1986-till date.
 - ii) Life Member of Indian Society of Buddhist Studies, 2000-till date.
 - iii) Annual Member of Indian Historical Courses, 2006-till date.
 - iv) Member of Executive Committee, Visva-Bharati, 2012-till date.
- Dr. Sanjib Kumar Das –**
- i) Academic Council Member, Karmapa International Buddhist Institute, New Delhi.
 - ii) BOS Member, Tsongtsan Library, Centre for South-Asian Himalayan Studies, Dehradun.
 - iii) Member of Advisory Board for the Nalanda International Annual Journal.
 - iv) Member of Advisory Committee for the Book titled “Buddhism and Social Significance for the Asian World”.
- Dr. Prakriti Chakraborty –**
- i) Manjushree Centre for Tibetan Culture, Darjeeling
 - ii) Indian Society for Buddhist Studies
- b) International committees:**
- Dr. Anandamayee Ghosh –**
- i) Life Member of International Association of Ladakh Studies, (Denmark); Gutenberg University, Sweden; Heidelberg, Germany, 2013.
 - ii) Annual Member of International Association of Tibetan Studies, from 1995-till date.
- Dr. Prakriti Chakraborty –**
- i) International Ladakh Studies
- c) Editorial Boards:** None
- d) Any other (please specify):** None

- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs,**

workshops, training programs and similar programs):

| S.No. | Name of Faculty Member | Name of Programme | No. of time | Remarks |
|-------|------------------------|---|-------------|-----------|
| 1 | Dr. Shedup Tenzin | Refresher Course | 04 | Completed |
| | | Orientation Programme | 01 | Completed |
| | | National Workshop | 01 | Completed |
| 2 | Dr. Sonam Zangpo | Refresher Course | 01 | Completed |
| | | National Workshop | 01 | Completed |
| 3. | Dr. Sanjib Kumar Das | International Workshop [1] National Workshop [1] | 02 | Completed |

28. Student projects:

- percentage of students who have done in-house projects including interdepartmental projects:** Environmental Studies 30%
- percentage of students doing projects in collaboration with other universities / industry / institute:** N.A.

29. Awards / recognitions received at the national and international level by**a) Faculty:**

Dr. Sangwhan Shin, an ex-faculty member of the department was awarded with the Academic Excellent Book of 2011 for 'Nagarjuna's Thought' by Ministry of Culture, Sports and Tourism of Korea(s).

b) Doctoral / post doctoral fellows:**c) Students:****30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

| Year | Seminar/Workshop | National/International | Source of Funding | Details of Outstanding Participants |
|------|--|------------------------|-------------------|--|
| 2012 | Latest Linguistic Trends of Tibetan Culture [Workshop] | National | Visva-Bharati | Participants from Central University of Tibetan Studies, Sarnath and Central Institute of Buddhist Studies including the |

| | | | | |
|------|--|---------------|---------------------------------|--|
| | | | | Department of Indo-Tibetan Studies and other Departments of Visva-Bharati attended |
| 2013 | Ideology and the Genesis of Buddhist Schools | International | Visva-Bharati and ICCR, Kolkata | Participants from Bangladesh, Nepal, Bhutan and Vietnam including the Department of Indo-Tibetan Studies attended. |

- 31. Code of ethics for research followed by the departments:** The department strictly follows the rules and regulations of Ph.D Ordinance 2009 introduced by Visva-Bharati. The students who hold NET, RET, JRF and SET/SLET as well as M.Phil degree are eligible for Ph.D programme duly completed the six-month Ph.D Course Work.

- 32. Student profile programme-wise:**

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | Through VBCAT | 10 | 6 | 90 | 80 |
| PG | 03 | 02 | 00 | 100 | NA |
| Ph.D Course Work | 16 | 13 | 03 | 100 | 100 |
| FCC | 03 | 00 | 03 | 00 | 03 |
| CC | 01 | 01 | 00 | DNA | NA |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 90 | | | 10 |
| PG | 50 | | 25 | 25 |
| PhD. | 20 | | 60 | 20 |
| FCC | | | | 01 |
| CC | | 100 | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

a) 02 Students NET

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-------------------------------------|
| UG to PG | 99 |
| PG to M.Phil. | 00 |
| PG to Ph.D. | 70 |
| Ph.D. to Post-Doctoral | 00 |
| Employed | Other than campus recruitment : 50% |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|----|
| of the same university | 30 |
| from other universities within the State | 00 |
| from universities from other States | 40 |
| from universities outside the country | 30 |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | None |
| Ph.D. | 05 |
| D.Litt | None |

38. Present details of departmental infrastructural facilities with regard to
- Library:** 01 Seminar Library without librarian (4300 no. of books and 200 books donated during the year)
 - Internet facilities for staff and students:** Nil.
 - Total number of class rooms:** 05
 - Class rooms with ICT facility:** Nil
 - Students' laboratories:** Nil
 - Research laboratories:** Nil
39. List of doctoral, post-doctoral students and Research Associates:
- from the host institution/university': 06
 - from other institutions/ universities :
40. Number of post graduate students getting financial assistance from the university: One
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes. Actually for the betterment of the standard of teaching method as well as for the development of the department, meeting is held almost once in a month in which discussion is held for the assessment of the students and the department.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** By introducing new method of teaching the students. Further, if any feedback is found to develop the environment of the department, it is implemented duly after discussing with the staff members in the chairmanship of the HOD.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** The department places the issue before the hon'ble BOS members for consideration and if accepted and approved, it is implemented.

- 43. List the distinguished alumni of the department (maximum 10):**
- Ven. Lama Chime Rigzen
 - Prof. Suniti Kumar Pathak
 - Prof. P.C. Bagchi
 - M.V. Shastri
 - Prof. Dr. Andrea Loseries
 - Ven. Lama Jimpa
 - Dr. Jampa Samten
 - Ven. Gorik Tenzin
 - Prof. Bimalendu Kumar
 - Dr. Huynh Thi Thanh
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
Special Lectures, Workshop, Seminar, Remedial Classes, Interdisciplinary Lecture Series.
- 45. List the teaching methods adopted by the faculty for different programmes:**
- Debate
 - Interactive session
 - Tutorial classes
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
The Department imparts direct teachings and conducts continuous internal assessment throughout the semester through seminar class, conversation class, assignments, interaction and oration. It helps the student to be well-versed in interpretation and translation. The syllabi contains classical as well as modern Tibetan language with much emphasis on translation from Tibetan into Hindi, English and Bengali vice-versa.
- 47. Highlight the participation of students and faculty in extension activities:**
One student has been selected in the university basketball team.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
Interdisciplinary Lecture Series –
Under this lecture series, as per the wish of the former Vice Chancellor, Visva-Bharati and Principal, Bhasha-Bhavana, a number of five eminent scholars from the Department of Sanskrit, Economics, Chinese and Philosophy were invited to deliver special lectures on different topics relating to Buddhist Studies.

Remedial Classes –

For the benefit of the students from backward classes, an initiative was taken to teach them by taking extra classes.

Workshop, Seminar & Conference –

With financial assistance of Visva-Bharati, UGC, ICCR and ICHR, the Department organizes seminar, conference and workshop on different topics related to Indo-Tibetan Studies.

Special Lecture Series –

Following the guidelines of UGC, The Centre for Buddhist Studies which is a part of the department holds special lectures on different topics related to Buddhist Studies through inviting eminent scholars from different parts of the country including within the university.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) The department inspires the students concerned to preserve our age old religion and culture which definitely huge gives contribution to establish peace on earth. It was the blessings of the precious religion and culture for which His Holiness the Dalai Lama was awarded with the Nobel Peace Prize in 1989.
- b) Updating of curriculum to meet the national and international trends.
- c) Arranging coaching classes.
- d) Research on Ancient Buddhist Literature and Culture.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Holistic approach to education to create a class intellectually and spiritually sound.
- ii) Possessing faculty members from traditional background.
- iii) Good no. of students is getting enrolled in Ph.D programme.
- iv) Feedback from all stakeholders.
- v) Innovative teaching and learning methods.

b) Weaknesses:

- i) Shortage of teaching and non-teaching staff
- ii) Dearth of space for classrooms.
- iii) Inadequate separate rooms for faculty members.

- iv) Poor internet facility for both staff members and students.
- v) Insufficient collection of traditional books/texts for research work.

c) Opportunities:

- i) The Department of Indo-Tibetan Studies conducts research for Ph.D degree on various subjects, such as humanistic elements of the composite Indo-Tibetan Culture that may lead towards better understanding among people of ideal and diverse ideologies. It does not only provide a lot of opportunities of job for the students concerned but they also play a crucial role for restoring and preserving our precious culture, specially the scriptures related Mahayana Dharma once which was taught and disseminated by the Buddhist masters of Nalanda, Vikramshila, Odantapuri and so forth. At the same time, for the purpose enriching the knowledge of Buddhist Studies, the Department established the Centre for Buddhist Studies in 2005 with the financial support of UGC under 'Epoch Making Social Thinkers'. It is because Buddhism and Buddhist Studies do not only produce job opportunities to the students studying it, rather it also cause them to be a Bharat Ratna as well as be awarded with Nobel Prize, Padmashree, Shilpaguru, Presidential Award and so on. The name of Dr. Ambedkar, His Holiness the Dalai Lama; Padmashree Tsering Wangdus, Padmashree Ngawang Samten (Present Vice Chancellor, Central University of Tibetan Studies, Sarnath); Prof. Suniti Kumar Pathak (Rtd. Professor, Dept. of Indo-Tibetan Studies, Visva-Bharati), Prof. Ram Shankar Tripathi and so on are the ones who have been awarded with such honours.
- ii) The vacant posts of faculty members have been advertised and it is expected that new faculty will join soon.
- iii) Apart from Tibetan Language, Indo-Tibetan Studies which includes Indian and Tibetan Buddhism which are introduced in several universities and institutions in India and abroad. So, students, having completed their research for Ph.D degree have good opportunity to apply there for job in teaching field.
- iv) At present the almost the entire collection of scripture related to Mahayana Buddhism is available in Tibetan language only. But only few people in the world know Tibetan which is definitely a problem for the readers to understand Buddhism in its entirety. Keeping in view of making it accessible several universities and institutions in our countries, such Central University of Tibetan Studies, Sarnath; Central Institute of Buddhist Studies, Leh; Namgyal Institute of Tibetology, Sikkim; Karmapa International Buddhist Institute, New Delhi, The Asiatic Society, Kolkata and so forth are

conducting Translation, Restoration and Dictionary projects including research where students are being invited to join the projects.

- v) There are several other big projects, such as ACIP [Asian Classic Input Project], Tengyur Translation in the United State and others also invite students to join them from where qualified students can earn handsome amount of money.

d) Challenges:

- i) The present collection of Kagyur and Tengyur speaks that there are about 333 volumes of scriptures which consist more than 6,000 valuable texts. These texts contain both the original teachings of Buddha and the commentarial texts by Indian panditas. Among them, these days, the entire Mahayana scriptures are persevered in Tibetan language only. No need to explain how much the teachings of Buddha are relevant to the modern world, i.e., the teachings of Buddha can undoubtedly play a crucial role for prevailing peace on earth. But there are few universities/institutes in the world, especially in India which have taken the initiative to make them accessible to the Indian people in their own languages including English for study. Therefore, to make accessible to the readers in their own language, such as Hindi, English, Bengali, Nepali etc., has become a challenge for the students of this department.
- ii) To initiate interdisciplinary performance based research.
- iii) To devise methodology of teaching Indo-Tibetan Studies that includes Indo-Tibetan language, literature and culture in the global context.
- iv) To restore lost texts in its original which are now available in Tibetan language with the assistance of well-versed Tibetan and Sanskrit scholars.
- v) To preserve Gurudev's vision of education as he dreamt and favoured 'to bring into more intimate relations with one another through patient study and research, the different cultures of the east on the basis of their underlying unity'.

52. Future plans of the department:

- a) To set up a Research & Translation Unit as per the need and demand of the day.
- b) To establish a Dictionary Unit which may play a good role in compiling dictionary which will contain the technical terms related to the five major sciences that can act in accordance with the need of seekers of knowledge in Indo-Tibetan Studies.
- c) To initiate a Online teaching programme.
- d) To start M.Phil Programme.

Evaluative Report of the Department of Odia

1. **Name of the Department :** Odia
2. **Year of establishment :** 1951
 The department of Odia, Visva-Bharati, was conceived in 1947 and was established as a regular Post-Graduate Department in 1951. This department is the only Post-Graduate Department and learning centre of Odia Language and Literature in the country outside Odisha. It imparts teaching programmes both in Under-Graduate and Post-graduate, M.Phil & Ph.D. level. Besides that it also offers Certificate and Diploma courses. Since its inception, the department has been maintaining a high standard in research and teaching activities.
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 U.G., P.G., M.Phil., Ph.D., D.Litt, Certificate Course, Diploma & Foreign Casual Course.
5. **Interdisciplinary programmes and departments involved :**
 - a) Departments like Anthropology, Philosophy, History and other language departments such as Bengali, Hindi, Sanskrit, English etc. are connected with Odia department in connection with various research programmes of the Ph.D. scholars and individual teachers.
 - b) The department invites teachers from the above cited departments to deliver seminar lectures and to presents papers in the department's weekly and yearly seminar.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Teachers of this department frequently visit other universities of India and as well as out side of India. Similarly, internationally known professors and scholars of esteemed universities and institutes visit our department, deliver lectures and interact with students and faculty members of the department. Recently two of our professors went to China on academic purpose.
7. **Details of programmes discontinued, if any, with reasons:** Nil

8. **Examination System:** Semester System and Choice Based Credit System.
9. **Participation of the department in the courses offered by other departments:** Yes, the department participates. Teaching faculties of the Dept.class for certain course & presents paper in the seminars organized by other department. We also take the remedial classes as per UGC recommendations for all students, especially the backward classes. We also take NET, JRF, OPSC & job-oriented classes for students.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|---------------|------------------------------|
| Professor | 1 | 3 | |
| Associate Professors | 2 | Not filled up | |
| Asst. Professors | 6 | Filled up - 4 | |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Prof. Manoranjan Pradhan
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Ancient, Medieval & Comparative Literature
No. of Years of Experience :
No. of Ph.D./M.Phil. students guided for the last 4 years : 31 (M.Phil-16, Ph.D-15)
- b) **Name** : Prof. Kailash Pattanayak
Qualification : M.A., Ph.D
Designation : Professor
Specialization : Folklore, Fiction
No. of Years of Experience :
No. of Ph.D./M.Phil. students guided for the last 4 years : 22 (M.Phil- 10, Ph.D.- 12)
- c) **Name** : Prof. Sabita Pradhan
Qualification : M.A., M.Phil, Ph.D
Designation : Professor
Specialization : Linguistics, Stylistics, Fiction
No. of Years of Experience :
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 23 (M.Phil- 13, Ph.D.- 10)
- d) Name : Dr. Pramila Patulia
 Qualification : M.A., M.Phil, Ph.D
 Designation : Assistant Professor
 Specialization : Folklore
 No. of Years of Experience : 07
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- e) Name : Dr. Sarata Kumar Jena
 Qualification : M.A., Ph.D., LLB.
 Designation : Assistant Professor
 Specialization : Modern Literature, Performing Art & Editing
 No. of Years of Experience : 10
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- f) Name : Dr. Rabindra Kumar Das
 Qualification : M.A., Ph.D
 Designation : Assistant Professor
 Specialization : Linguistics, Stylistics & Modern Criticism
 No. of Years of Experience : 14
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- g) Name : Sri Indramani Sahoo
 Qualification : M.A., M.Phil
 Designation : Assistant Professor
 Specialization : Linguistics & Fiction
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
- Sri Sitakanta Mohapatra, Jnanapeetha Awardee Eminent Odia Poet
 - Dr. Pratibha Ray, Jnanapeetha Awardee Eminent Odia Fiction Writer
 - Manoj Das, Sahitya , Saraswati Awardee, International Writer
 - Prof. Devi Prasanna Pattanayak, International Linguist
 - Prof. Sudarshan Acharya, Eminent Scholar, Berhampur University
 - Prof. Khageswar Mohapatra, Eminent Researcher

- g) Prof. Prakash Ch.Pattanayak, Professor, Delhi University
- h) Prof. Jyotshna Rout Biswal, Professor, Gowhati University
- i) Prof. Prasanna Pradhan, Professor, Ranchi University
- j) Prof. Sarat Chandra Pradhan, Professor, Eminent Odia Poet.

13. Percentage of classes taken by temporary faculty — programme-wise:

14. Programme-wise Student Teacher Ratio :

- a) UG:
- b) PG:
- c) M.Phil:
- d) Ph.D:
- e) D.Litt:
- f) CC:
- g) FCC
- h) Diploma:

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | 02 | 02 | 02 |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:

- a) Literary criticism
 - b) Lexicography
 - c) Folk tradition
- funded by UGC through major and minor projects.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

a) National funding agencies:

| Undertaken by | Total grants received | Funding Agency | Project Title |
|------------------------|-----------------------|----------------|--|
| Dr. Sarata Kumar Jena | Rs. 50,000/- | UGC | UGC Minor Project “Animal mask Dance of South Odisha” |
| Dr. Rabindra Kumar Das | Rs.7,94,000/- | UGC | UGC Major Project “Odia Lexicography: A Critical Study On Evolution” |

b) International funding agencies: Nil.

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

The Department has collaborated with reputed national organizations like, Sahitya

Akademi, New Delhi, Odisha Sahitya Akademi, Bhubaneswar, Central Institution of Indian Languages, Mysore, National Manuscript Mission, Govt. of India etc. for to arrange the Seminar, , symposia, workshops etc.

b) International collaboration: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: NA

20. Research facility / centre with

a) state recognition : **b) national recognition:** UGC

c) international recognition:

21. Special research laboratories sponsored by / created by industry or corporate bodies:

22. Publications:

a) No. of papers published in peer reviewed journals (national/ international): –

- i) Prof. Manoranjan Pradhan - 04
- ii) Prof. Kailash Pattanayak - 07
- iii) Prof. Sabita Pradhan - 08
- iv) Dr. Pramila Patulia - 04
- v) Dr. Sarata Kumar Jena - 19
- vi) Dr. Rabindra Kumar Das - 20

b) Monographs: Nil

c) Chapters in Books: Nil

d) Edited Books:

Prof. Kailash Pattanayak –

- i) Odishara Lokakahani, 2008 2010, Second edition.

Dr. Sarata Kumar Jena –

- i) Prasanna Prasanna, Kalinga Sahitya Samaj, Berhampur, Odisha, 2009.
- ii) Ekabinsare Abolakara , Athena Books, Bhubanewar- 2, Odisha, 2012, ISBN-13 978-81-908853-7-9.

e) Books with ISBN with details of publishers:

Prof. Manoranjan Pradhan –

- i) Gopinath Chayanika , Sahitya Akademi, New Delhi, 2009.
- ii) Kanhucharan Chayanika, Sahitya Akademi, New Delhi, 2013.

Prof. Kailash Pattanayak –

- i) Binod Dwadasha, 2013.

Prof. Sabita Pradhan –

- i) Brahmaputrara Akhapakhare, (Translation) Sahitya Akademi, 2013.

Dr. Sarata Kumar Jena –

- i) Odia Kathasahityare Nari-Nayak, Athena Books, Bhubaneswar–2 ,Odisha, 2009, ISBN- 13 978-93-80-759-31-9.
- ii) Jodabeni (Poetry) Athena Books, Bhubaneswar – 2, Odisha, 2010, ISBN- 13 978-81-89593-27-8.
- iii) Andaman o Nikobar Lokakatha, Athena Books, Bhubaneswar- 2,Odisha, 2012.

Dr. Rabindra Kumar Das –

- i) Communicative English : Through Oriya Diamond Publishers, New Delhi, 2009.
- ii) Communicative Oriya : Through English (Phonetic based), Renaissance Publishers, Rajmahal Square, Bhubaneswar, 2009.
- iii) Rasakallola (Ed.) a text Book of P.G. and Graduation level, Satyanarayana Book Store, Cuttack ,2012 (ISBN).
- iv) Prayogika Saili Vigyana, Satyanarayana Book Store, Cuttack, 2012 (ISBN).

f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

g) Citation Index — range / average:

h) SNIP:

i) SIR:

j) Impact Factor — range / average:

k) h-index:

23. Details of patents and income generated: N.A.

24. Areas of consultancy and income generated:

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

a) Prof. Kailash Pattanayak –

- i) Paper presented in the 16th World congress of Applied Linguistics, organised by Beijing Foreign Studies University, Beijing, China during August 23-28, 2011.

26. Faculty serving in

a) National committees:

b) International committees:

c) Editorial Boards:

Dr. Sarata Kumar Jena –

- i) Editorial Board Member of Kalinga Sahitya Samaj, Taratarini Pustakalaya, Berhampur & Athena Books, Bhubaneswar- 2, Odisha.

d) Any other (please specify): None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) A national workshop on 'Translation Studies' held on 22-25 March 2012 organised by the Department of Odia, Visva-Bharati.
- b) A basic level workshop on 'Manuscriptology and Palaeography' held on 21 Jan. - 10 Feb. 2013 (21 days) Organised by Department of Odia, Visva-Bharati.
- c) Dr. Kailash Pattanayak Organised a national workshop as Convener, on 'Indian Folkloristics', during February 14-16, 2011 at Santiniketan on behalf of the Department of Odia, Visva-Bharati.
- d) Dr. Kailash Pattanayak Organised a national seminar as Convener, on 'Rabindranath and Indian Folkloristics', during February 14-16, 2013 at Santiniketan on behalf of Bhasha Bhavana.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%, All the Ph.D. students are doing in-house projects.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:**

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Manoranjan Pradhan –

- i) Odisha Sahitya Academy Award (2011)
- ii) Nominated as a member of course writer for the IGNOU, Delhi for the subject Odia in the centre Fokir Mohan University, Odisha.
- iii) Coordinator of VB CAT for the Vidya Bhavan in the year 2009-12.

Prof. Kailash Pattanayak –

- i) Jhankar Award (2010) for Literary Criticism
- ii) Nominated as a member of Syllabus committee for PG course in Folk Literature at Karnataka Folklore University, Bangalore, 2011-12.
- iii) Nominated as a member, Board of Studies of Odia, North Odisha University, Baripada, Odisha for the year 2012-14.
- iv) Nominated as member, Board of Studies in the Centre for Folk Culture Studies, Hyderabad University, Hyderabad, A.P. for the year 2013-15.

- v) Course writer, for the Indian Folklore course as an elective course for M.A. in English, offered from the School of Humanities, Indira Gandhi National Open University, New Delhi.

Prof. Sabita Pradhan –

- i) Visiting associate of Indian Institute of Advance Studies for three years from 2008.
 ii) Elected as a member of Orissa Sahitya Academi for 2011-13.
 iii) Awarded as a women critic by Orissa Lekhika Samsad on 06th March 2011.

b) Doctoral / post doctoral fellows:

c) Students:

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|---------------------|--|--|---|
| 21-22 February 2010 | A national seminar on "Pandit Gopinath Nandasharma and Lexicography in Indian Languages" | | Padmashree Prof. Devi Prasanna Pattanayak, renowned slinguist and critic Prof. Soumendralal Bandopadhyay, noted critic & former Principal, V.B. Prof. Bahadur Mishra, Bhagalpur University Prof. Sumita Bhattacharya of Calcutta University |
| 17-18 February 2011 | A national seminar on "Western Literary Theories and Indian Parallel" | | Prof. Kalpika Mukhopadhyay, eminest Sanskrit scholar Prof. B.C.Jena, Eminent scholars of literary theories Prof. Arun Hota, Dr. A.K.Mishra, Dr. Manabendra Mukhopadhyay etc. |
| 13-14 February 2012 | A national seminar on "Feminism in Odia Fiction : Indian | Odisha Sahitya Academi, Bhubaneswar | Prof. Rama Chandra Behera The president of Odisha Sahitya Akademi |

| | | | |
|-------------------------|---|-------------------------------|--|
| | Prospective" | | Prof. Adikanda Sahu, Eminent scholars of Fiction Sri Debendra Kumar Das, Dr. Abhiram Biswal, Dr. Sarojini Sahu, Prof. Chakradhar Tripathy, Dr. Angsuman Kar Dr. Kabita Barik, Sri Jagadish Mohanty Notable writer of Odia Fiction |
| 01-02 March, 2013 | A national seminar on "Impact of Geetanjali on Indian Literature" | Sahitya Academi, New Delhi | Prof. N. Satpathy a renowned writer and critic Prof. Tapati Mukherjee, Director, Rabindra Bhavana Prof. U.N.Singh, Rabindra Professor, Rabindra Bhavana Prof. Tejashree J.N., Tamilnadu Prof. Chandraprakash Deval, Rajsthan Prof. Biplab Chakraborty, Kolkata |
| 22-25 March 2012 | National workshop on 'Translation Studies' | UGC | Prof. Uday Narayan Singh, Pro-Vice-Chancellor of Visva-Bharati Prof. Prafulla Kumar Mohanty , Bhubaneswar Prof. Dipti Ranjan Pattanayak , Revenshaw University, Cuttack Prof. Bijay Kumar Das, Burdwan University Prof. Somdatta Mandal, Visva-Bharati, Prof. Aruna Mukherjee, Visva-Bharati Dr. Amrit Sen, Visva- |

| | | | |
|--------------------|--|--|--|
| | | | Bharati, Dr. Avijit Banerjee, Visva-Bharati co-ordinator : Prof. Manoranjan Pradhan |
| 21 Jan-10 Feb 2013 | Basic level workshop of 'Manuscriptology and Palaeography' | National Manuscript Mission, New Delhi | Prof. Sushanta Dattagupta, Vice-Chancellor of Visva-Bharati, inaugurated Prof. Tapati Mukherjee delivered the key note address, Prof. Ratna Basu was the guest of honour Prof. Sujit Bose, Ex-Vice-Chancellor, Visva-Bharati, chief guest Prof. Khageswar Mohapatra, honourable guest Prof. Sudarshan Acharya chief speaker Co-ordinator : Prof. Manoranjan Pradhan |

31. Code of ethics for research followed by the departments:

The department encourages students for original research work. The department also creates an intellectual atmosphere for the research scholars to present their findings in the departmental seminars, So that the findings will be placed in an intellectual gathering for discussion and scholars would get some positive suggestions. The department made it a point that scholars must publish some papers in connection with their research in the journals of repute during their studentship.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | | | | | |
| PG | 16 | 02 | 05 | | |
| M.Phil | 23 | 10 | 04 | | |
| Ph.D Course Work | 16 | 07 | 03 | | |
| D. Litt | | | | | |
| Foreign Casual Course (FCC) | | | | | |
| Certificate Course | | | | | |
| Diploma | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | | | | |
| PG | | | 100% | |
| M.Phil | | | 90% | |
| Ph.D Course Work | | | 90% | |
| D. Litt | | | | |
| Foreign Casual Course (FCC) | | | | |
| Certificate Course | | | | |
| Diploma | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET: 14
b) JRF: 09

35. Student progression:

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | 0% |
| from other universities within the State | 0% |
| from universities from other States | 100% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | None |
| Ph.D. | 01 |
| D.Litt | None |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Departmental Library having 900 books.
- b) **Internet facilities for staff and students:** Only for staff.
- c) **Total number of class rooms:** 03
- d) **Class rooms with ICT facility:** No
- e) **Students' laboratories:** No
- f) **Research laboratories:** No

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university:

| Doctoral Students | Topics |
|------------------------------|---|
| i) Prabin Kumar Mishra | Brundachandravihar : a critical analysis |
| ii) Laxman Kumar Pradhan | Adhunika Odia Sahityare Boudha Dharma O Darsanara prabhava. |
| iii) Santosh Kumar Sahoo | Sabuja yuga o Odia Sahitya |
| iv) Mithun Ch. Dey | Odia Rajanitika Upanyasa |
| v) Chandra Sekhar Das | Manoj Dasnka Upanyasare Bharatiya Darsana |
| vi) Harapriya Barik | Lokagitare Alankar |
| vii) Alina Padhi | Surendra Mohanty O Brundabanlal Burma Eka Tulanatmaka Adhyana |
| viii) Jayant Das | Kathashilpi Hrushikesha Panda |
| ix) Itirani Samanta | Odia Upanyasare Naricharitra |
| x) Madhusmriti Parida | Dhawnyatmaka Bhasa |
| xi) Rasmi Nandita Jena | |
| xii) Saroj Kumar Patra | Rama Chandra Beheranka Galpare Gram o Sahar |
| xiii) Batu Pradhan | Rama Chandra Beheranka Galpare Jivan drusti |
| xiv) Sudarshan Mohanty | Prayogbadi Odia Nataka |
| xv) Pramodini Jena | Odia Sahityaku Nimapadara dana |
| xvi) Bibhuti Kumar Sahoo | Swadhinata parabarti Odia samalochana sahitya |
| xvii) Bibhu Prasad Satapathy | Swadinata parabarti odia sahityare Sri jagannath |

| | |
|---------------------------|---|
| xviii) Balakrushna Behera | Odia Upanyasare Stitibadi chetana |
| xix) Punyaprabha Samal | Kabi Prasanna Kumar Mishra |
| xx) Hrushikesh Mallik | Nira O Sri Radha Eka Tulanatmaka Adhyana |
| xxi) Debiprasad Satapathy | Odia Natakare Loka Upadana |
| xxii) Utkalika Mohapatra | Galpika Basanta Kumar Satapathy eka Adhyayana |
| xxiii) Rasmi Ranjan Swain | Manoj Dasanka Gadya sahitya eka Adhyayana |

b) from other institutions/ universities : Nil

40. Number of post graduate students getting financial assistance from the university:

- a) No of Half Free ship - 30
- b) No of Full Free ship – 15
- c) Student's Assistance from student's aid fund - 5

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Workshops, seminars; democratic bodies like BOS meetings, Staff meetings, external experts meetings, institute board, academic council, UGC Project board, etc.

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** The staff members of the department, from time to time, discuss the curriculum and develop the same on the basis of the discussions/ suggestions.
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The department, from time to time, asks the students for their feedback on various courses and other extra-curricular activities. As per their feedback, the department discusses their views in its staff meeting and incorporate some of the views if the staff members consider those as positive.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback:** The department is a sixty seven year old department and it has host of alumnes spread over various states in India. In their visit to Santiniketan or over telephone or e-mail the department receives many kinds of suggestions. The department discusses on those suggestions and tries to incorporate if they are of beneficiary or if they are instrumental to elevate the image of the department.

43. List the distinguished alumni of the department (maximum 10):

- a) Sri Chittaranjan Das, Famous Writer
- b) Prof. Devi Prasanna Pattanayak, Internationally famous Linguist & Founder

Director of CIIL, Mysore

- c) Prof. Gaganendranath Dash, Famous Linguist & Researcher
- d) Dr. Prasanna Kumar Mishra, Eminent Poet & Researcher
- e) Sri Dilip Das, Eminent Poet
- f) Panchanan Mohanty, Eminent Linguist presently in Hyderabad University
- g) Prof. Khageswar Mohapatra, Eminent Linguist
- h) Dr. Alok Baral, bright young academic, Assistant Professor at Dept. of Odia, Central University, Koraput, Odisha
- i) Sri Jnanee Debasish Mishra, bright young academic, Assistant Professor at Dept. of Odia, Ravenshaw.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Under the financial assistance of Visva-Bharati, UGC and other agencies, the department organises at least Three national seminars and symposiums every year. List the teaching methods adopted by the faculty for different programmes.

45. List the teaching methods adopted by the faculty for different programmes:

Apart from the traditional method of teaching in classroom using board and chalk some of the faculty members use PPT for their classroom teaching in which students get interested to learn more. Sometimes some of the teachers organize literary quiz or symposium for the students of a particular semester based on their syllabus. It also generates interest and help students' skill of verbal expression.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

47. Highlight the participation of students and faculty in extension activities:

- a) Study tour
- b) Picnic
- c) Anand Mela
- d) Cultural Function
- e) Drama
- f) Boudhhik Anweshha- Quiz Oriented Programme for NET-JRF-PSC etc
- g) Wall Magazine- Spandan & Utkal Bharati
- h) Gandhi Punyaha-Cleaning the classroom by Student & Staff
- i) Welcome & Farewell ceremony

48. Give details of “beyond syllabus scholarly activities” of the department:

Beyond classroom teachings, the faculty members organised various seminars, workshops, colloquium, symposiums, performance oriented lecture-demonstration.

Workshops on translations are a regular feature of the department where teachers and students alike participate. Educational excursions and study tours to various places of India enrich and freshens the minds of both faculty and students. Faculty members actively participate in Bhubaneswar Book-fair, Production of plays included in the syllabus, beyond the syllabus. Compatible with the themes of Refresher Courses and Seminars involving present students of the Department, in order to understand performance as literary and cultural interpretations of classical and modern texts have been carried on consistently since 1980.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:

Yes, the department is a proud holder of the Odisha Sahitya Akademi. Some government agencies also frequently lend their collaborative hands to host seminars, symposiums etc. like Sahitya Akademi, National Manuscript Mission, etc.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) The department of Odia, Visva-Bharati is known for its teaching and research in the field of modern literature, folkloristics, comparative literature and in linguistic and stylistic studies. The department has a long tradition in study and research on these areas. So many new ideas are well developed in the field of research on the above cited subjects.
- b) Research papers and books of the faculties of the department generate new findings of their respective research which disseminate knowledge in the respective areas.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Innovative Teaching-Learning and Evaluation methods.
- ii) Feedback form all stake holders.
- iii) Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.
- iv) To build teamwork, sportsmanship and leadership qualities, among students.
- v) Students are encouraged to participate in various extracurricular activities.

b) Weaknesses:

- i) Requires more faculties in the areas of Ancient and Medieval literature.
- ii) Functional Odia is not in our curriculum.
- iii) Requires more qualified faculty in the field of Culture study and on Comparative literature.

- iv) Separate building for Odia Department is required.
- v) More specialization on many subjects like, Translation study, Manuscriptology Odia journalis are required.

c) Opportunities:

- i) Accommodate more International students in various courses designed for them.
- ii) Learning Odia for non Odia students create an opportunity for translation from source language.
- iii) Functional Odia Language and literature will benefit the other language students.
- iv) Interdisciplinary study with Bengali, Sanskrit, Hindi, English & Assamese will help the students of Comparative Literature.
- v) Since it is a classical language, the study of Odia Language and literature enables the students to serve as teaching faculties in various educational and research institutions.

d) Challenges:

- i) In the age of Globalization regional literatures in general are in danger. Odia is not an exception.
- ii) Job opportunities are relatively less.
- iii) Due to lack of infrastructure necessary competency among the students can not be created.
- iv) Since, the major portion of great world literature could not come in to the ambiance of Odia literature, it fails to create world view among the students.
- v) Studies of Pali & Prakrit in relation to Odia language.

52. Future plans of the department:

- a) The department is committed to continue and improve its standing through SAP, UGC-DRS to UGC-DSA and beyond to the final step of Centre for Advanced Study.
- b) To open courses in Functional Odia with undergraduate, postgraduate, MPhil and PhD. We also have plans to introduce Comparative study, folklore study, Translation study and Tribal-lore.
- c) We wish to build up a world class facility for the systemic historical and cultural study of the unique literary, intellectual, social and academic mix that Santiniketan and Visva-Bharati embody.
- d) The department has plans to develop a career counselling cell for students and scholars alike.
- e) We also plan to set up a folk museum to preserve the artefacts for detail study and research.

Evaluative Report of the Department of Santali

1. **Name of the Department :** Santali
2. **Year of establishment :** 1982
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
U.G. and P.G.
5. **Interdisciplinary programmes and departments involved:** NA
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** No
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Semester System.
9. **Participation of the department in the courses offered by other departments:** Allied Courses.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | | | |
| Associate Professors | 01 | vacant | |
| Asst. Professors | 06 | 06 | |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Mr. Sanat Hansda
 - Qualification** : M.A.
 - Designation** : Assistant Professor
 - Specialization** : Folk Literature

- No. of Years of Experience** : 04
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) Name** : Dr. Dhaneshwar Manjhi
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Folk Literature
No. of Years of Experience : 03
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) Name** : Dr. Dukhia Murmu
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Biography
No. of Years of Experience : 03
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- d) Name** : Mr. Mansaram Murmu
Qualification : M.A.
Designation : Assistant Professor
Specialization : Literature
No. of Years of Experience : 03
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- e) Name** : Mr. Tapan Soren
Qualification : M.A.
Designation : Assistant Professor
Specialization : Santali
No. of Years of Experience : 02
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- f) Name** : Mr. Ramu Hembrom
Qualification : M.A.
Designation : Assistant Professor
Specialization : Culture
No. of Years of Experience : 02

No. of Ph.D./M.Phil. students

guided for the last 4 years : Nil

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** Nil
13. **Percentage of classes taken by temporary faculty — programme-wise:** NA
14. **Programme-wise Student Teacher Ratio :**
 - a) UG: 38 : 06
 - b) PG: 23 : 06
15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:** Nil
16. **Research thrust areas as recognized by major funding agencies:**
 “Linguistic Analysis of Santali Language” recognized by HRD Ministry, Govt. of India.
17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**
 - a) **National funding agencies:**

| Faculties Involved | Total grants received | Funding Agency | Project Title |
|--|-----------------------|--|--|
| Sanat Hansda (PI) Dr. Dhaneshwar Manjhi (Co-PI) | Rs. 36.00 Lacs | Govt. of India, Ministry of Communications and Information Technology, Dept. of Information Technology | Shallow Parser Tools for Indian Languages (SPT-IL) |

b) International funding agencies: Nil.

18. **Inter-institutional collaborative projects and associated grants**
 - a) **National collaboration:**
 Department of Santali collaborated with Central University of Hyderabad for the Project- SPT-IL (Santali).
 - b) **International collaboration:**
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:** NA

20. Research facility / centre with

- a) state recognition : NA b) national recognition: NA
c) international recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA**22. Publications:****a) No. of papers published in peer reviewed journals (national/international): –**

- | | | |
|------|-----------------------|------|
| i) | Mr. Sanat Hansda | - 02 |
| ii) | Dr. Dhaneshwar Manjhi | - 06 |
| iii) | Mr. Mansaram Murmu | - 01 |
| iv) | Mr. Tapan Soren | - 01 |
| v) | Mr. Ramu Hembrom | - 01 |

b) Monographs: Nil**c) Chapters in Books:****Dr. Dukhia Murmu –**

- i) ‘*Sikhnat Re Santali Parsi Renak Mohot ar Anat*’ in the Souvenir on National Seminar on ‘Importance of Mother Tongue in Education’ at Department of Santali, Visva-Bharati. On 23rd & 24th February 2012.
- ii) Published Abstracts Title: ‘Santali Sanskriti Ar Unkuak Jibon Darshan’ in the International Seminar on “Santali Education and Culture. At SKM University, Dumka, Jharkhand. On 3rd March to 5th March 2012.

Mr. Mansaram Murmu –

- i) ‘Tumal Namak Dansai Daran Tatet’ – UMUL a Literary and Cultural Magazine, Jul.-Sep.2010 Vol-8, No-3, Page 11-14.
- ii) ‘Apnar Samal’- UMUL a Literary and Cultural Magazine, Oct.-Dec.2010 Vol-8, No-4, Page-15-16.
- iii) Banga dungri Tuyu - Child literature published in mulug chandu patrike Vol-4; May, 2013.
- iv) Puntukuj jeder-children story.published in Mulug chandu patrika, Vol-5.October, 2013.

Tapan Soren –

- i) Adibasi Santar Koak Onorom’ – Sandesh, Yearly Santali Magazine, 2nd Issue 2010, Page – 12.

d) Edited Books: Nil**e) Books with ISBN with details of publishers:**

Dr. Dhaneshwar Manjhi –

- i) Lithur Arang, Adim Publication Kolkata, 677 O Block, New Alipur Kolkata-53, (ISBN-978-81-925263-9-3).
- ii) Santhali Lok Kath : Ek Adhyayan, Peyara Kerketta Foundation, Chaser home Road ,Bariatu, Ranchi-834009 Jharkhand,(ISBN-978-93-81056-08-0).
- iii) Santhali Lok Kathaon ki Dunya, Peyara Kerketta Foundation, Chaser home Road , Bariatu, Ranchi-834009 Jharkhand, (ISBN-978-93-81056-14-1).
- iv) Bindi Ganak, Trupti, Bhubaneswar-2,(ISBN-13978-93-80758-40-4).
- v) Tore Sutam, Athena, Bhubaneswar-2,(ISBN-13978-93-80824-18-5).

Dr. Dukhia Murmu –

- i) Raghunath Tudu : Vyaktitva Evam Krititva, By Dr. Dukhia Murmu, Published by – Payara Kerketta Foundation, Chacier home Road, Bariatu Ranchi, 834009, Jharkhand. ISBN: 978-93-81056-11-0.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Sanat Hansda and Dr. Dhaneshwar Manjhi were selected to visit Central University of Hyderabad for discussing about the Govt. of India., Ministry of Communications and Information Technology. Department of Information Technology Project.

26. Faculty serving in a) National committees, b) International committees, c) Editorial Boards, Any other (please specify):

- a) Mr. Sanat Hansda, Assistant Professor selected to represent the Member of Paschim Banga Santali Academy, Govt. of West Bengal.
- b) Mr. Sanat Hansda, Assistant Professor, member Board of Studies, University of Burdwan.

- c) Dr. Dhaneshwar Manjhi, Assistant Professor, member Board of Studies, University of Burdwan.
- d) Dr. Dhaneshwar Manjhi, Assistant Professor, member of Grant-in-Aid, CIIL, Mysore.
- e) Dr. Dhaneshwar Manjhi, Assistant Professor, Maha Sachib in Bharat Basundhara Patrika.
- f) Dr. Dhaneshwar Manjhi, Assistant Professor, Sub-Editor of Akhra, Published fro Ranchi, Jharkhand.
- g) Dr. Dukhia Murmu, Assistant Professor selected to represent the Member of Paschim Banga Santali Academy, Govt. of West Bengal.
- h) Dr. Dukhia Murmu, Assistant Professor, Member of Board of Studies, Sidhu-Kanhu Birsa University, Purulia.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) Mr. Sanat Hansda, Dr. Dhaneshwar Manjhi Completed Refresher and Orientation Programme.
- b) Dr. Dukhia Murmu, Mr. Ramu Hembrom and Mr. Mansaram Murmu Completed Orientation Programme.
- c) Mr. Tapan Soren, Assistant Professor, Attend the Workshop on 'Compilation of Glossaries in Santali (political Science and Philosophy) form 4th to 15th November 2013 at CIIL, Mysore. Organised by – National Translation Mission (CIIL). HRD Government of India.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** Nil
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|--------|-----------------------|---|--|
| 20 May | A national seminar on | Sahitya Academy, | |

| | | | |
|----------------|---|----------------------------|--|
| 2012 | 'Women's Voice in Santali Literature' | New Delhi | |
| 21 May, 2012 | A national seminar on 'Kabi Sandhi' | Sahitya Academy, New Delhi | |
| 12 March 2013 | A national seminar on 'Santali Education and Culture' | Visva-Bharati | |
| 21-22 May 2012 | A national level workshop on "2nd days Translation Programme" | Sahitya Academi, New Delhi | |

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | | 25 | 12 | | |
| PG | | 15 | 08 | | |
| Ph.D | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 36.84 | 63.15 | | |
| PG | 69.56 | 30.43 | | |
| Ph.D | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET:
- b) JRF:

35. Student progression:

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | 100% |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed | |
| <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|---|
| of the same university | |
| from other universities within the State | 3 |
| from universities from other States | 3 |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** Total 68 nos. of Books and no journal received.
- Internet facilities for staff and students:** No
- Total number of class rooms:** 02 nos.
- Class rooms with ICT facility:** No
- Students' laboratories:** NA
- Research laboratories:** NA

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university:**
- from other institutions/ universities :**

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No
42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, by providing the talent and most useful knowledge and skill to the students.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: By introducing new techniques.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback:
43. List the distinguished alumni of the department (maximum 10): 5
Degree courses started from 2009 onwards only.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
Special Lectures:
 - a) Delivered a lecture by Dr Peteranderson on 24.07.2011 .
 - b) Delivered a lecture by Sri Karu Majhi on February 04.09.2011.
 - c) Delivered a lecture by Uday Nath Majhi on 22.09.2011
 - d) Delivered a lecture by Dr.Subba Rao on 14.02.2011 on the topic Samkalin Hindi Kavita ka sondarya at Department of Santali.Bhasha Bhavana Visva Bharati Santiniketan.W.B.
 - e) Organized a Special Lecture by Sopan Parmanik, Editor, “Lahanti Patrika” held at Dept. of Santali, B.B., V.B on 25/02/2012.
 - f) Organized a Special Lecture by Lea Schulte-Droesch, M.A., Ph.D. Student, Graduate School Theology and Religious Studies, Oude Boteringestraat 38, 9712 GK Groningen The Netherland, University of Groningen on 08/04/2012.
 - g) Organized a National Symposium on “Women’s Voice in Santali Literature” collaboration with Department of Santali and Sahitya Akademi, New Delhi held on 20th May 2012.
 - h) Organized a “Kabi Sandhi” Programme Organized by collaboration with Department of Santali and Sahitya Akademi, New Delhi held on 21st May 2012.
 - i) Organized a Translation Programme Organized by collaboration with Department of Santali and Sahitya Akademi, New Delhi held on 21st and 22nd May 2012.
 - j) Organized a Special by Dr. Boro Baski, Principal, Rolfschoemvs Vidyashram “The Experience of Translating Raktakarabi” Organized by Jointly Dept. of Santali and Patha Chakra, Visva-Bharati held at Central Library auditorium on

23/02/2013.

- k) Organized a Special Lecture by Dr. Ratan Hembrom, Assistant Professor, Dept. of Santali, Vidyasagar University, Midnapur held at Dept. of Santali, B.B., V.B. on 25/02/2013.
- l) Organized a National Seminar “Santali Education and Culture” held at Singha Sadana, Visva-Bharati, Santiniketan on 12th March 2013.
- m) Organized a Special Lecture by Mr. Birbal Hembrom, Assistant Professor, Dept. of Santali, Bahragora College, Bahragora, Kolhan University, Chaibasa, Jharkhand held at Dept. of Santali, B.B., V.B. on 28/03/2013.

45. List the teaching methods adopted by the faculty for different programmes:

- a) Micro level teaching
- b) E-learning
- c) Multimedia Teaching.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Every Academic year Department of Santali conducting the General Meeting with the students and teachers of the department to discuss the students feedback and semester wise results. According to the suggestions made by both faculty and students, the department is trying to modify the syllabus and teaching methods.

47. Highlight the participation of students and faculty in extension activities:

- a) Students participating in the NSS and NCC Programmes.
- b) Every year students participating in the Pous Mela, Magh Mela and Ananda Mela.
- c) Faculty members are involving to collect the folk songs and tradition folkmedicine data's from the santal villages in and around Santiniketan.
- d) Faculties of our Department actively participating the Development of ol-chiki script with the help of various Santal organisation.

48. Give details of “beyond syllabus scholarly activities” of the department:

Mr. Mansaram Murmu active performer of Drama.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Department of Santali Collaborated with Govt. of India to Develop a Santali Dictionary, Linguistic tools and E-learning materials.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Innovative Teaching-Learning and Evaluation methods.
- ii) Feedback from all stake holders
- iii) Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.
- iv) To build teamwork, sportsmanship and leadership qualities, students are encouraged to participate in various extracurricular activities.
- v) The Memorandum of Understanding with Yunnan University, China facilitate the visit of Chinese teachers to the Department at regular interval and help in improving the overall Chinese ability of the students and faculty member to a large extent.

b) Weaknesses:

- i) Infrastructure, lack of technical staffs and non technical staff.

c) Opportunities:

- i) Research, to develop a folk research institute.

d) Challenges:

- i) To fulfil the expectation of the students.
- ii) Creating the Job Opportunities.
- iii) E-Learning.

52. Future plans of the department:

- a) To start M. phil and Phd Programme.
- b) Proposed to start the Folk Research Institute.

Evaluative Report of the Department of Arabic, Persian, Urdu & Islamic Studies

1. **Name of the Department :** Arabic, Persian, Urdu & Islamic Studies
2. **Year of establishment :** 1928
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
U.G., P.G., Ph.D. and D.Litt.
5. **Interdisciplinary programmes and departments involved :** Ph.D. (Philosophy)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** No
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Semester System.
9. **Participation of the department in the courses offered by other departments:**
Undergraduate students of the department opt various subjects offered by other departments of the university as subsidiary and non credit courses such as history, education, Tagore studies, environmental science etc. Similarly students of the other departments also take subject as subsidiary such as Arabic offered by this Dept.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 1 |
| Associate Professors | 2 | 1 | 1 |
| Asst. Professors | 3 | 3 | 3 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Prof. Niaz Ahmad Khan
 Qualification : Ph.D
 Designation : Professor
 Specialization : Classical and Modern Persian Literature and Translation
 No. of Years of Experience : 27
 No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- b) Name : Dr. Wasif Ahmad
 Qualification : Ph.D
 Designation : Associate Professor
 Specialization : Modern Persian Short Story
 No. of Years of Experience : 11
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) Name : Dr. Md. Faique
 Qualification : Ph.D
 Designation : Assistant Professor (Stage-II)
 Specialization : Modern Persian Drama
 No. of Years of Experience : 14
 No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- d) Name : Dr. Aurangzeb Azmi
 Qualification : Ph.D
 Designation : Assistant Professor (Stage-I)
 Specialization : (1) Pre-Islamic Arab World (2) Classical Literature (3) Contributions of India/Indians to the Arabic Lang. & Lit. (4) Translation (from Arabic into English & Urdu & vise-versa)
 No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- e) **Name** : Dr. Atiqur Rahman
Qualification : Ph.D.
Designation : Assistant Professor (Stage-I)
Specialization : Modern Persian Language, Literature and Translation
No. of Years of Experience : 02
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
 The department is planning for an arrangement of a visiting professor.
13. **Percentage of classes taken by temporary faculty — programme-wise:** NA
14. **Programme-wise Student Teacher Ratio :**
 a) UG : 5.4:1
 b) PG : 1:5
 c) Ph.D : 6.2:1
15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:**
 The department doesn't have any support staff (technical) and administrative staff.
16. **Research thrust areas as recognized by major funding agencies:**
 Islamic history and culture and Arabic, Persian and Urdu language and literature. (Research works are carried out in the Dept. on the above noted areas without funding of any funding agency)
17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**
 a) **National funding agencies:**
 b) **International funding agencies:**
 There is no project in the department funded by other agencies.
18. **Inter-institutional collaborative projects and associated grants**
 a) **National collaboration:**
 b) **International collaboration:**
 There is no Inter-institutional collaborative project and associate grants in the Dept.
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:** Nil

20. **Research facility / centre with**
a) state recognition : None b) national recognition: None
c) international recognition: None
21. **Special research laboratories sponsored by / created by industry or corporate bodies: NA**
22. **Publications:**
a) **No. of papers published in peer reviewed journals (national/ international): – 33**
(Prof. N.A. Khan: 1, Dr. Wasif Ahmad:6,Dr. Aurangzeb Azmi:18,Dr.Atiquir Rahman:8)
b) **Monographs: Nil**
c) **Chapters in Books: 18**
(Dr. Aurangzeb Azmi:17 & Dr. Md. Atiquir Rahman:1)
d) **Edited Books: 01**
(Dr. Aurangzeb Azmi: 1)
e) **Books with ISBN with details of publishers:**
Dr. Wasif Ahmad – 02
i) ISBN 978-81-87469-003 & ISBN 978-81-87469-004, Nice books, 3-Rashid market ext., Parwana road, Delhi-51
Dr. Aurangzeb Azmi – 02
i) ISBN 978-81-922739-9-0, al-Kitab International, Jamia Nagar, New Delhi-25, 2013
ii) Islamic Wonders Bureau, New Delhi, 2011/ISBN 81-87763-82-5.
f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): Nil**
g) **Citation Index — range / average: Nil**
h) **SNIP: N.A**
i) **SIR: N.A**
j) **Impact Factor — range / average: N.A**
k) **h-index: N.A**
23. **Details of patents and income generated: N.A.**
24. **Areas of consultancy and income generated: N.A.**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Dr. Aurangzeb Azmi, Assistant Professor.(stage-I) attended and presented a research papers in a symposium at Muscat, Oman and at Jagannath University, Dhaka, Bangladesh.

26. Faculty serving in

a) National committees:

Dr. Aurangzeb Azmi –

- i) Member, All India Educational Movement, New Delhi, India.
- ii) Secretary, NHF, Jamia Nagar, New Delhi, India.

Dr. Atiqur Rahman –

- i) Life member of All India Oriental Conference (AIOC).
- ii) Life member of Iran Society, Kolkata.
- iii) Life member of All India Oriental Conference.

b) International committees:

c) Editorial Boards:

Dr. Aurangzeb Azmi –

- i) Editor of Majalla-tul-Hind, Arabic quarterly published from India.
- ii) Member, Editorial Board of Member, Board of Editor, Hazara Islamicus, Pakistan.

Dr. Atiqur Rahman –

- i) Life member of Fikr-o-Nazar, “Urdu Quarterly Journal” Aligarh Muslim University, Aligarh.
- ii) Life member of Urdu monthly magazine “Tehzib-ul-Akhlaque” Aligarh Muslim University, Aligarh.

d) Any other (please specify): None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) 2 faculty members named Dr. Wasif Ahmad and Dr. Atiqur Rahman Participated in the UGC-Sponsored Refresher Course in Research Methodology in Oriental Studies (Persian) organized by UGC- Academic Staff College, Aligarh Muslim University, Aligarh-202002 during 21st August to 10th September, 2013.
- b) Dr. Atiqur Rahman Participated in the UGC-Sponsored Orientation programme organized by UGC- Academic Staff College, JMI, Delhi-110025 during 16th July to 13th August, 2012.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** Nil

- b) percentage of students doing projects in collaboration with other universities / industry / institute: Nil

29. Awards / recognitions received at the national and international level by

a) Faculty:

Dr. Wasif Ahmad –

- i) Dr. Wasif Ahmad was presented Rashtriya Gaurav Award: Certificate of Excellence for meritorious services, outstanding performance, remarkable role and achievements in the field of concerned language and literature by India International Friendship Society, a non-governmental society of repute, C-23/21st floor, Goel business chamber, Connaught place, New Delhi-1, India on 11th November, 2011.

b) Doctoral / post doctoral fellows: Nil

c) Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Nezam Endowment lecture entitled “Impact of Islam and Sufism on Indian religious movements with special reference to Sikhism and Barhamo Samaj” delivered by Prof. Hafiz Mohammad Tahir Ali was organized in the department on 4.2.2013.

31. Code of ethics for research followed by the departments: The department strictly follows the rules and regulations of Ph.D. ordinance, 2009. After successful completion of one semester course work students are finally allowed to pursue their research work.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|--|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | Applications are received by the central admission Committee of the university | 4 | 0 | 4 | 0 |
| PG | Do | 0 | | 0 | 0 |
| Ph.D. | Do | 11 | 2 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 100 | - | - | - |
| PG | - | - | - | - |
| Ph.D | 12.90 | 3.22 | 22.58 | nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil**35. Student progression:**

| Student progression | Percentage against enrolled |
|---|-----------------------------|
| UG to PG | 100% |
| PG to M.Phil. | N.A |
| PG to Ph.D. | 40% |
| Ph.D. to Post-Doctoral | 0 |
| Employed | Nil |
| <ul style="list-style-type: none"> Campus selection Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | Nil |
| from other universities within the State | Nil |
| from universities from other States | 100% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to
- Library:** one departmental library with around two hundred forty five books.
 - Internet facilities for staff and students:** Nil.
 - Total number of class rooms:** 05
 - Class rooms with ICT facility:** Nil
 - Students' laboratories:** Nil
 - Research laboratories:** Nil
39. List of doctoral, post-doctoral students and Research Associates:
- from the host institution/university':** 08
 - from other institutions/ universities :** 23
40. Number of post graduate students getting financial assistance from the university: Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
Yes, Discussion with the external members of the BOS.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, Feedback is obtained from the faculty members with regular meetings and evaluation of students' progress.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Interaction with the students and observation of their study.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:**
43. List the distinguished alumni of the department (maximum 10):
- Prof. Hafiz Md. Tahir Ali
 - Dr. Md. Faique
 - Dr. Sirajul Islam
 - Dr. Nurul Islam
 - Dr. Shamsuddin
 - Dr. Akbar Ali Mollick
 - Dr. Maula Baksh Khan
 - Mohd. Raghieb Hasan
 - Ms. Sahela Begum
 - Mrs. Chandrani Das
44. Give details of student enrichment programmes (special lectures / workshops /

seminar) involving external experts:

Endowment lectures are organized regularly in the department.

45. List the teaching methods adopted by the faculty for different programmes:

Translation, interaction, oration and assimilation with the students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Direct teaching, continuous internal assessment throughout the semester such as internal assessment test and assignments; interaction, oration and assimilation with the students. Syllabus contains classical as well as modern Persian language with much emphasis on translation from Persian in to English and vice versa.

47. Highlight the participation of students and faculty in extension activities:

Prof. N.A. Khan Conducted 15th August 2012 Independence Day & 26th Jan 2013, Republic Day ceremonial parade.

48. Give details of “beyond syllabus scholarly activities” of the department:

Other than teaching the faculties are actively taking part in academic pursuits like attending seminars, symposiums, writing research papers and books on varied subjects.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department gives more emphasis on interdisciplinary subjects finding common thread of rapprochements among different pursuits of thoughts on the basis of Sufism.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths:

Teaching and research in classical languages such as Arabic and Persian, modern Indian language such as Urdu and Islamic history and culture.

Weaknesses:

Lack of non-teaching, technical, librarian for the departmental library, and group D staff members in the dept.

Opportunities:

The dept. conducts research on varied subjects. The department gives more emphasis on humanistic elements of the composite culture that may lead towards better understanding among people of diverse ideologies. The department gives more emphasis on interdisciplinary subjects for the conduct of research. A lot of

opportunities are there like job opportunities for the students of the dept.

Challenges:

The dept. faces the lack of non-teaching, technical, librarian for the departmental library, administrative and group D staff members.

52. Future plans of the department:

The department is striving hard to evolve itself as a Centre of excellence for Indo central and west Asian studies. For that reason it is very much eager to have teaching facility of Turkish and Pashto languages.

Evaluative Report of the Department of Assamese Language

1. **Name of the Department :** Assamese Language
2. **Year of establishment :** 2007
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
Certificate Course, Diploma & Ph.D (going to start from this year)
5. **Interdisciplinary programmes and departments involved:** Translation of Rabindranath Tagore & Comparative Study with Hindi Department of the University.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** No
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Annual.
9. **Participation of the department in the courses offered by other departments:** Allied Courses.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | | | |
| Associate Professors | | | |
| Asst. Professors | 01 | 01 | 01 |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Dr. Sangita Saikia
Qualification : M.A., Ph.D
Designation : Assistant Professor

- Specialization** : Assamese Language, Literature & Culture;
Tribal & Folk Culture
- No. of Years of Experience** : 06
- No. of Ph.D./M.Phil. students
guided for the last 4 years** : Nil
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
Prof. Dipti Phukan Patgiri, HoD, Dept of Assamese, Gauhati University, Prof. Satyendra Narayan Goswami, Tagore Professor, Dept of MIL, Gauhati University, Prof. Umesh Deka, Director, Centre for North East Studies, Gauhati University, etc.
- 13. Percentage of classes taken by temporary faculty — programme-wise:**
Nil
- 14. Programme-wise Student Teacher Ratio :** Nil
- | | |
|------------|-------------|
| a) UG: | e) D.Litt: |
| b) PG: | f) CC: |
| c) M.Phil: | g) FCC |
| d) Ph.D: | h) Diploma: |
- 15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:** Nil
- 16. Research thrust areas as recognized by major funding agencies:**
Proposal has been given to do collaborative works with Central Institute of Indian Languages, Mysore for Linguistic Research.
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise:** Nil
- 18. Inter-institutional collaborative projects and associated grants**
- a) National collaboration:**
Organizing a Two Day's National Seminar in collaboration with Central Institute of Indian Languages, Mysore .
- b) International collaboration:** Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:** No
- 20. Research facility / centre with**
- | | |
|---|------------------------------------|
| a) state recognition : No | b) national recognition: No |
| c) international recognition: No | |

21. **Special research laboratories sponsored by / created by industry or corporate bodies:** No
22. **Publications:**
- a) **No. of papers published in peer reviewed journals (national/international):** –
 - i) Dr. Sangita Saikia - 04
 - b) **Monographs:** Nil
 - c) **Chapters in Books:**
Dr. Sangita Saikia –
 - i) Deuri Bhaxar Dhvanitattva, Rupatattva aru Bakyatattva(Phonology, Morphology and Syntax of Deuri Language), Axamiya aru axamar bhaxa, (Ed. Dr P Basumatary & Dr B Das), 2010.
 - ii) Deuri, Asomar Bhasha, Peoples Linguistic Survey of India (Ed. G.N.Debi), Vol-V, Part-II), 2013.
 - d) **Edited Books:** Nil
 - e) **Books with ISBN with details of publishers:**
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated:** Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
Dr. Sangita Saikia –
 - a) Invited by Student Counselling Cell of Demow College, Sivasagar, Assam to deliver a lecture on “Higher Education Outside Assam” on 18-10-2011.
 - b) Invited by Madhya Kamrup College, Subha, Chenga, Barpeta, Assam as Resource Person in a UGC Sponsored National Seminar on Importance of Women Education for the Upliftment of Rural Society, 2011.

26. **Faculty serving in**
 - a) **National committees:**
Dr. Sangita Saikia –
 - i) Served as a Language Expert in National Testing Scheme, CIIL, Mysore.
 - ii) Served as a Language Expert in Grant in Aid Committee, CIIL, Mysore.
 - b) **International committees:**
 - c) **Editorial Boards:**
Dr. Sangita Saikia –
 - i) Edited Assamese Books in Children Literature Translation Project by EMESCO, Hyderabad.
 - d) **Any other (please specify):**
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
Dr. Sangita Saikia –
 - a) UGC Sponsored Orientation Course in ASC, University of Burdwan, 10th January-6th February, 2012
 - b) UGC Sponsored Refresher Course in ASC, University of Gauhati, 28th May-17th June, 2012.
 - c) UGC Sponsored Refresher Course in ASC, University of Gauhati, 24th June-14th July, 2013.
28. **Student projects:**
 - a) **percentage of students who have done in-house projects including interdepartmental projects:**
 - i) 50% Students are representing the university in sports.
 - ii) 33% students are doing Ph.D in other departments of the university.
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute:** No
29. **Awards / recognitions received at the national and international level by**
 - a) **Faculty:**
 - b) **Doctoral / post doctoral fellows:**
 - c) **Students:**
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
 - a) Organized a Two Days National Seminar on “Impact of Ravindranath on Indian Literature” in Visva-Bharati, Santiniketan on 07th & 08th March 2013.
 - b) Organizing a National Seminar on “Impact of Globalization on Tribal Language Literature & Culture” on 20th & 21st February, 2014 in Visva-Bharati with

collaboration of Central Institute of Indian Languages, Mysore.

31. Code of ethics for research followed by the departments:

As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| Certificate | | 05 | 01 | 80% | 100% |
| Diploma | | Nil | Nil | | |
| Ph.D | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| Certificate | 100% | | | |
| Diploma | 100% | | 100% | |
| Ph.D | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: No

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed | |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|---|-----|
| of the same university | Nil |

| | |
|--|-----|
| from other universities within the State | Nil |
| from universities from other States | 01 |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** Departmental Library having 38 nos. of books and 01 Journal.
- Internet facilities for staff and students:** Yes
- Total number of class rooms:** 01
- Class rooms with ICT facility:** No
- Students' laboratories:** No
- Research laboratories:** No

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university:
- from other institutions/ universities :

40. Number of post graduate students getting financial assistance from the university: One

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes, before developing the new syllabus the utility and easy to learn method has been reviewed by experts.

42. Does the department obtain feedback from

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, by recovering method of teaching.
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** By introducing new techniques.
- alumni and employers on the programmes offered and how does the department utilize the feedback:**

43. List the distinguished alumni of the department (maximum 10):

- Indrajit Saha
- Jayanta Das

c) Prof. G. Mohanty

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Organized a Two Days National Seminar on “Impact of Rabindranath on Indian Literature” in Visva-Bharati, Santiniketan on 07th & 08th March 2013.
- b) Organizing a National Seminar on “Impact of Globalization on Tribal Language Literature & Culture” on 20th & 21st February, 2014 in Visva-Bharati with collaboration of Central Institute of Indian Languages, Mysore.

45. List the teaching methods adopted by the faculty for different programmes:

Audio Visual equipments, e-learning, along with other traditional methods.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

The department is involved with some translation projects along with comparative study. The main objective of this department is national integration. Students are improving themselves to learn a language other than mother tongue and it contributes to national integration.

47. Highlight the participation of students and faculty in extension activities:

The faculty and students are continuously improving themselves with active participation in other academic and research activities or sports.

48. Give details of “beyond syllabus scholarly activities” of the department:

Dr. Sangita Saikia:

- a) Invited by Student Counselling Cell of Demow College, Sivasagar, Assam to deliver a lecture on “Higher Education Outside Assam” on 18-10-2011.
- b) Invited by Madhya Kamrup College, Subha, Chenga, Barpeta, Assam as Resource Person in a UGC Sponsored National Seminar on Importance of Women Education for the Upliftment of Rural Society, 2011.
- c) As a Convener organized a two days National Seminar on “Impact of Rabindranath on Indian Literature”, with Marathi & Tamil Language Units of Bhasha-Bhavana, Visva-Bharati, 7th & 8th March, 2013.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Through its syllabus and other activities the department has been generating new knowledge to learn a new language, literature and culture to the students- learners and other scholars. With the active involvement the department is translating books and

representing the state, its language, literature and Culture and working for national integration.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

The students from different age and qualification category is the main strength to promote a different language, literature and culture. The department is trying to enrich the students and the institution with innovative Teaching-Learning and Evaluation methods for the learner's other than mother tongue.

b) Weaknesses:

Only faculty, without any technical staff is the major weakness of the department.

c) Opportunities:

The vast area of translation and comparative study is the major opportunity of the department. This is place to promote, compare, learn and teach different languages, literature and culture.

d) Challenges:

The students from different age and qualification group. Teaching a language other than mother tongue is also very challenging for the faculty.

52. Future plans of the department:

Going to start Ph.D, M.Phil & UG Course and certificate course for national & foreign students.

Evaluative Report of the Department of Marathi

1. **Name of the Department :** Marathi
2. **Year of establishment :** 1982
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
Certificate Course, Diploma & Advanced Diploma.
5. **Interdisciplinary programmes and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Annual.
9. **Participation of the department in the courses offered by other departments:**
Participating in to the PG level teaching of Hindi Department.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | | | |
| Associate Professors | | | |
| Asst. Professors | 01 | 01 | 01 |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Ranvir Sumedh Bhagwan
 - Qualification** : M.A., M.Phil, NET
 - Designation** : Assistant Professor
 - Specialization** : Comparative Literature, Creative & Feminist Writings

- No. of Years of Experience : 04
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
 13. Percentage of classes taken by temporary faculty — programme-wise:
 14. Programme-wise Student Teacher Ratio :
 - a) Certificate : 34:1
 - b) Diploma : 34:1
 - c) Adv. Diploma : 34:1
 15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual: Nil
 16. Research thrust areas as recognized by major funding agencies: Nil
 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil
 18. Inter-institutional collaborative projects and associated grants
 - a) National collaboration: Nil
 - b) International collaboration: Nil
 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
 20. Research facility / centre with
 - a) state recognition : No b) national recognition: No
 - c) international recognition: No
 21. Special research laboratories sponsored by / created by industry or corporate bodies: No
 22. Publications:
 - a) No. of papers published in peer reviewed journals (national/international): –
 - i) Ranvir Sumedh Bhagwan - 02
 - b) Monographs: Nil
 - c) Chapters in Books:
 - d) Edited Books: Nil
 - e) Books with ISBN with details of publishers:
 - f) Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

- g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
- 23. Details of patents and income generated:**
- 24. Areas of consultancy and income generated:**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**
- 26. Faculty serving in**
- a) **National committees:**
 - b) **International committees:**
 - c) **Editorial Boards:**
 - d) **Any other (please specify):**
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
- Ranvir Sumedh Bhagwan –**
- a) Participated & Obtained Grade –“A” in 64th Orientation Programme U.G.C. Academic Staff College, Ranchi University, Ranchi.(Jharkhand) From 04 July 2011 to 31 July 2011.
 - b) Participated & Obtained Grade –“A” Refresher Course in Linguistic U.G.C. Academic Staff College, Ranchi University, Ranchi.(Jharkhand) From.29th July to 18 Aug.2013.
- 28. Student projects:**
- a) **percentage of students who have done in-house projects including interdepartmental projects: No**
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute: No**
- 29. Awards / recognitions received at the national and international level by**
- a) **Faculty:**
 - b) **Doctoral / post doctoral fellows:**
 - c) **Students:**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Organized a Two Days National Seminar “ Impact of Ravindranath on Indian Literature” Visva-Bharati, Santiniketan on 07th & 08th March 2013.
- b) Organized a Two Days National Seminar “ Impact of globalization on Tribal language literature and culture” Visva Bharati collaboration with CIIL, Mysore on 20th & 21st March 2014.

31. Code of ethics for research followed by the departments:

Certificate , Diploma and advance Diploma courses offered only.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| Certificate | | 01 | | | |
| Diploma | | | 01 | | |
| Adv. Diploma | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| Certificate | 100% | | | |
| Diploma | 100% | | | |
| Adv. Diploma | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: No**35. Student progression:**

| Student progression | Percentage against enrolled |
|------------------------|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed | |
| • Campus selection | |

| | |
|---------------------------------|--|
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|----|
| of the same university | |
| from other universities within the State | |
| from universities from other States | 01 |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) Library:
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms: 01
- d) Class rooms with ICT facility:
- e) Students' laboratories: No
- f) Research laboratories: No

39. List of doctoral, post-doctoral students and Research Associates:

- a) from the host institution/university:
- b) from other institutions/ universities :

40. Number of post graduate students getting financial assistance from the university:**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No****42. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, Changing syllabus and by restructuring the techinmg method.
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: By introducing new techniques.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

43. List the distinguished alumni of the department (maximum 10): Nil
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
 - a) Organized a Two Days National Seminar “ Impact of Ravindranath on Indian Literature” Visva-Bharati, Santiniketan on 07th & 08th March 2013.
45. List the teaching methods adopted by the faculty for different programmes:
Audio-visual and practical.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:
Every year department is conducting the meeting with the students and experts from various departments. From the meeting, suggestion made by members are clearly noted by the concern faculties to develop the new curriculum.
47. Highlight the participation of students and faculty in extension activities:
Ranvir Sumedh Bhagwan –
 - a) One lecture on “Role of Vijay Tendulkar in Indian literature” held by Dept.of Hindi .West Bengal State University, Barasat, Kolkatta.
 - b) Two Lectures on “Impact of Buddha’s philosophy on the literature of Saints” held by Vivekanand Gurukul, Hingoli,(M.S) .
 - c) Two lecture on “Tagore’s Naturalism in Education “held by N.W.college, Balapur, (M.S).
48. Give details of “beyond syllabus scholarly activities” of the department:
Ranvir Sumedh Bhagwan –
 - a) Feb.2011. Paper presented on ‘Study of Social vision in the poetry (Abhang) of Sant.Tukaram’ in National Conference on “Study of Sant.Tukaram’s whole literature” held by Srasvati Mahavidyalaya, Kinwat (Maharashtra).
 - b) March 2012. Paper presented on ‘Importance of Santali Language as a Medium in primary Education’ in the Two Days International seminar on ‘Santali education and culture ‘held by Dept.of Santali,S.K.M.University, Dumka, Jharkhand.
 - c) Dec.2012. Paper presented on ‘Kashinath Sing ki kahaniya aur Banaras’ (Hindi) in the One Day National seminar on ‘kashinath sing ke rachnakram par kendrit rashtri sangoshthi’ held by “Prayas” Asansol (W.B)
 - d) Dec. 2012. Paper presented on “Uttam kamble yanche Aatmpar lekhan” (Marathi) in the Two Days National seminar on “Uttam Kamble Vyakti aani

- Vangmay” held in the Dept. of Marathi, Jay bhavani College Beed. (M.S)
- e) Feb.2012. Paper presented on “Tarabai Shinde’s Women-Men comparison: A Milestone of Indian Feminism” in the two days National seminar on “Feminism in Odia fiction: Indian Perspective” Organised by Dept.of Odia, Visva-Bharati University, Shantiniketan (W.B).
 - f) Feb.2012. Paper presented on “Importance of Mother Tongue in Education” in the Two Days National seminar on ‘Importance of Mother Tongue in Education’ held by the Dept.of Santali,Visva-Bharati University, Shantiniketan.(W.B).
 - g) Feb.2013. Paper Presented on “Marathi ke Prakritiwadi Kavi aur Bhavani Prasad Mishra” (Hindi) in the One Day National seminar on “Bhavani Prasad Mishra aur unki Rachna” held by Dept. of Hindi , Maikal Madhusudan Memorial College , Duragapur (W.B).
 - h) March 2013. Paper presented on “Marathi aur Hindi ke katha sahity me slam jivan” (Hindi) in the Two Days National seminar on ‘Hindi Kahani Sahity me Slam jivan” held by Dept. of Hindi, Karim city College, Jamshedpur,(Jharkhand).
 - i) March 2013. Paper presented on “Importance of Santali language in Education” in the One Day National seminar on “Importance of Mother tongue in Education” held by Dept. of Santali, Visva-Bharati,Santiniketan (W.B).
 - j) Septembar 2013. Paper Presented on “Asmitaonki Rajniti aur Rajbhasha Hindi” in the three Days National seminar on “Rajbhasha Hindi Sambhawnaye aur Chunotiya” held by Dept.of Hindi and Hindi Prakoshth, Visva-Bharati,Santiniketan. (W.B)
 - k) Feb 2012, Participated in National seminar on ‘Rabindra Bichitra’ organised by Visva-Bharati Adhyapak sabha, Visva-Bharati University, Shantiniketan. (W.B).
 - l) One lecture on “Role of Vijay Tendulkar in Indian literature” held by Dept.of Hindi, West Bengal State University, Barasaat, Kolkata.
 - m) Two Lectures on “Impact of Buddha’s philosophy on the literature of Saints” held by Vivekanand Gurukul, Hingoli, (M.S).
 - n) Two lecture on “Tagore’s Naturalism in Education “held by N.W.college, Balapur, (M.S).
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** No
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- a) Developing the teaching learning techniques in the second language teaching.
 - b) Creating the teaching modules for second language teaching.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Innovative Teaching-Learning and Evaluation methods.
- ii) Feedback from all stake holders.
- iii) Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.
- iv) Sportsmanship and leadership qualities, students are encouraged to participate in various extra curricular activities.

b) Weaknesses:

- i) Lack of man power, lack of UG, PG Courses.

c) Opportunities:

- i) Research, developing the teaching MODULES.

d) Challenges:

- i) Starting the UG Course, Admissions.

52. Future plans of the department:

Starting UG Course and Certificate Foreign batch.

Evaluative Report of the Department of Tamil

1. **Name of the Department :** Tamil
2. **Year of establishment :** 1982
3. **Is the Department part of a School/Faculty of the university?** Yes, Bhasha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
Certificate Course, Diploma & Advanced Diploma.
5. **Interdisciplinary programmes and departments involved:** Involved in the teaching of Hindi Department to teach the PG students.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:** No
8. **Examination System:** Annual.
9. **Participation of the department in the courses offered by other departments:**
Participating in to the PG level teaching of Hindi Department.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | | | |
| Associate Professors | | | |
| Asst. Professors | 01 | 01 | 01 |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- | | |
|----------------------|-----------------------|
| a) Name | : Senthil Prakash. S |
| Qualification | : M.A.,M.Sc., M.Phil |
| Designation | : Assistant Professor |

Specialization : Comparative Literature & Sangam Literature
No. of Years of Experience : 03
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty — programme-wise: No
14. Programme-wise Student Teacher Ratio :
- Certificate : 34:1
 - Diploma : 34:1
 - Adv. Diploma : 34:1
15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|---------------------------|------------|--------|--------|
| Administrative Staff | Nil | Nil | Nil |
| Support staff (technical) | Nil | Nil | Nil |

16. Research thrust areas as recognized by major funding agencies:
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the project title and grants received project-wise: No
18. Inter-institutional collaborative projects and associated grants
- National collaboration:
 - International collaboration:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: No
20. Research facility / centre with
- state recognition : No
 - national recognition: No
 - international recognition: No
21. Special research laboratories sponsored by / created by industry or corporate bodies: No
22. Publications:
- No. of papers published in peer reviewed journals (national/international): –
 - Monographs:
 - Chapters in Books:

- d) **Edited Books:**
- e) **Books with ISBN with details of publishers:**
Senthil Prakash.S –
 - i) Tagore on Tamil Literature, published by All India University Tamil Teachers Association- ISBN: 978 93 80342 573(2013).
 - ii) Life Management in Tirukural, published by Tiruvalluvar University College-ISBN: 819 07 7455 7(2013).
 - iii) A Book of Mirdad and Tamil Philosophy, Published by All India University Tamil teachers association – ISBN: 978 93 81724 15 6(2012).
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:**
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:** Not applicable
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
Senthil Prakash.S –
 - a) Dec, 2010 – Paper presented on ‘Hero stones’ in the Regional Conference held by TAS and PSG CAS, Coimbatore.
 - b) May, 2010 – Paper presented on ‘A book of Mirdad and Tamil Psychology’ in the two days International Conference held by IUTA, Madurai, Tamilnadu.
 - c) May, 2011 – Paper presented on ‘Pearl Trade in Ancient Tamilnadu’ in the two days International Conference held by IUTA, Madurai, Tamilnadu.
 - d) Feb, 2011 – Paper presented on ‘Education Psychology in Sangam Literature’ in the National Conference held by KCE, Coimbatore, Tamilnadu.
 - e) Feb, 2012 – Paper presented on “ Importance of Mother Tongue in Education” in the Two Days National seminar on ‘Importance of Mother Tongue in Education’ held by the Dept. of Santali, Visva-Bharati University, Santiniketan (W.B).
 - f) May, 2013 – Paper presented on “Tagore on Tamil Literature” the Two Days

Inter National seminar held in the IUTA, Tamilnadu.

26. **Faculty serving in**
 - a) **National committees:**
Senthil Prakash.S –
i) Member All India University Tamil Teachers Association.
 - b) **International committees:**
Senthil Prakash.S –
i) Member Association of Asian Studies USA.
 - c) **Editorial Boards:**
Senthil Prakash.S –
i) Editorial Board Member - Journal for Tamil Studies- St.Joseph College, Trichy, Tamilnadu.
 - d) **Any other (please specify):**
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
Senthil Prakash.S –
a) Participated & Obtained Grade –“A” in 64th Orientation Programme U.G.C. Academic Staff College, Bharathiar University, Coimbatore, (Tamilnadu) from 02 Feb 2012 to 28 Feb 2012.
28. **Student projects:**
 - a) **percentage of students who have done in-house projects including interdepartmental projects:** No
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute:** No
29. **Awards / recognitions received at the national and international level by**
 - a) **Faculty:**
 - b) **Doctoral / post doctoral fellows:**
 - c) **Students:**
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
 - a) Organized a Two Days National Seminar “Impact of Ravindranath on Indian Literature” Visva-Bharati, Santiniketan on 07th & 08th March 2013.
 - b) Organized a Two Days National Seminar “Impact of globalization on Tribal language literature and culture” Visva Bharati collaboration with CIIL, Mysore on 20th & 21st March 2014.

31. Code of ethics for research followed by the departments:

Certificate , Diploma and advance Diploma courses offered only.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| Certificate | | 03 | 01 | | |
| Diploma | | | | | |
| Adv. Diploma | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| Certificate | 100% | | | |
| Diploma | 100% | | | |
| Adv. Diploma | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: No**35. Student progression:**

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | Nil |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed | |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|--|
| of the same university | |
| from other universities within the State | |

| | |
|---------------------------------------|----|
| from universities from other States | 01 |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to
- Library:
 - Internet facilities for staff and students: Yes
 - Total number of class rooms: 01
 - Class rooms with ICT facility:
 - Students' laboratories: No
 - Research laboratories: No
39. List of doctoral, post-doctoral students and Research Associates:
- from the host institution/university:
 - from other institutions/ universities :
40. Number of post graduate students getting financial assistance from the university:
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, by changing syllabus and restructuring the teaching method.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: By introducing new techniques.
 - alumni and employers on the programmes offered and how does the department utilize the feedback: Nil
43. List the distinguished alumni of the department (maximum 10): Nil
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Organized a Two Days National Seminar "Impact of Ravindranath on Indian Literature" Visva-Bharati, Santiniketan on 07th & 08th March 2013.

- 45. List the teaching methods adopted by the faculty for different programmes:**
- Audio – visual method.
 - Micro level teaching.
 - Participating leaching learning method.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
- Every year department is conducting the meeting with the students and experts from various departments. From the meeting, suggestion made by members are clearly noted by the concern faculties to develop the new curriculum.
- 47. Highlight the participation of students and faculty in extension activities:** Nil
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
Senthil Prakash.S –
- Dec, 2010 – Paper presented on ‘Hero stones’ in the Regional Conference held by TAS and PSG CAS, Coimbatore.
 - May, 2010 – Paper presented on ‘A book of Mirdad and Tamil Psychology’ in the two days International Conference held by IUTA, Madurai, Tamilnadu.
 - May, 2011 – Paper presented on ‘Pearl Trade in Ancient Tamilnadu’ in the two days International Conference held by IUTA, Madurai, Tamilnadu.
 - Feb, 2011 – Paper presented on ‘Education Psychology in Sangam Literature’ in the National Conference held by KCE, Coimbatore, Tamilnadu.
 - Feb, 2012 – Paper presented on “Bharati and Woman” in the two days National seminar on “Feminism in Odia fiction: Indian Perspective” Organised by Dept. of Odia, Visva-Bharati University, Santiniketan (W.B).
 - Feb, 2012 – Paper presented on “ Importance of Mother Tongue in Education” in the Two Days National seminar on ‘Importance of Mother Tongue in Education’ held by the Dept. of Santali, Visva-Bharati University, Santiniketan (W.B).
 - May, 2013 – Paper presented on “Tagore on Tamil Literature” the Two Days Inter National seminar held in the IUTA, Tamilnadu.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
- Developing E-Learning modules, creating e- library for second language teaching.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Innovative Teaching-Learning and Evaluation methods.
- ii) Feedback from all stake holders.
- iii) Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.
- iv) Sportsmanship and leadership qualities, students are encouraged to participate in various extra curricular activities.

b) Weaknesses:

- i) Lack of man power, lack of UG, PG Courses.

c) Opportunities:

- i) Research, developing the teaching MODULES.

d) Challenges:

- i) Starting the UG Course, Admissions.

52. Future plans of the department:

Starting UG Course and Certificate Foreign batch.

Evaluative Report of the Department of Palli Charcha Kendra

1. **Name of the Department :** Department of Palli Charcha Kendra (Social Studies and Rural Development)
2. **Year of establishment :** 1977
3. **Is the Department part of a School/Faculty of the university?** Yes, under Institute of Rural Reconstruction (PSV), Visva-Bharati, Sriniketan
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) MA in Rural Development (2-years Programme)
 - b) Ph. D in Social Sciences
5. **Interdisciplinary programmes and departments involved :** In process.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** An Academic curriculum has been introduced in 3rd semester to work in collaboration with NGO's, Govt. Institutions and Panchayati Raj Institutions at National and State level.
7. **Details of programmes discontinued, if any, with reasons:** No Programmes has been discontinued in last 4 years.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :** Faculties contribute to courses of different departments of this university-namely-
 - a) Department of Economics and Politics, Visva-Bharati – Dr. Santanu Rakshit.
 - b) Department of Environmental Science, Visva-Bharati – Dr. M. A. Masillamani.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 01 | 01 | 02 |
| Associate Professors | 03 | 02 | 02 |
| Asst. Professors | 06 | 03* | 02* |

| | | | |
|--------|---|---|---|
| Others | — | — | — |
|--------|---|---|---|

+ Sanctioned since its inception

* One Assistant Professor (stage-III) is in lien to Rural Extension Centre.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Prof Maitreyi Chaudhuri
Qualification : MA(Statistics), Ph.D
Designation : Professor
Specialization : Econometric Methods, Gender Studies, Rural Development
No. of Years of Experience : 34
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) **Name** : Prof. Sankar Majumder
Qualification : MA (Economics), Ph.D
Designation : Professor
Specialization : Planning, Public Economics, Environmental Economics, Agricultural Economics
No. of Years of Experience : 27
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- c) **Name** : Dr. Santanu Rakshit
Qualification : MA(Economics), Ph.D
Designation : Professor
Specialization : (a) Agrarian Relations & Transition; (b) International Trade and Impact on Local Structures; (c) Rethinking Capitalist/ Capitalistic Development
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- d) **Name** : Dr. M. Alankara Masillamani
Qualification : MA (Rural Development), MA (Economics), Ph.D
Designation : Associate Professor
Specialization : Rural Development-Energy and Environment

- and Gender issues
- No. of Years of Experience** : 11 ½
- No. of Ph.D./M.Phil. students guided for the last 4 years** : 03
- e) **Name** : Dr. Rathindra Nath Pramanik
- Qualification** : MA (Economics), Ph.D
- Designation** : Assistant Professor (Stage-II)
- Specialization** : Labour Economics, Agricultural Economics
- No. of Years of Experience** : 12
- No. of Ph.D./M.Phil. students guided for the last 4 years** : 01
- f) **Name** : Dr. Sujit Kr. Paul (On lien;)
- Qualification** : MA (Rural Development), Ph.D
- Designation** : Assistant Professor (Stage-III)
- Specialization** :
- No. of Years of Experience** :
- No. of Ph.D./M.Phil. students guided for the last 4 years** : 04
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** Nil
13. **Percentage of classes taken by temporary faculty — programme-wise :**
Three temporary faculties from other departments. Total 300 marks out of 1600 marks in 4 semesters. Total percentages of class taken by them in 4 semesters = 18.75%
14. **Programme-wise Student Teacher Ratio :**
- a) MA Rural Development—Intake capacity->23+23 =46 students for 2 semesters
Sanctioned Teachers strength 10
Student Teacher Ratio = 46/10 = 4.6
At present Student Teacher Ratio = (15+8=23)/5=4.6
- b) Ph. D Course: No. of Ph.D students = 14
No. of Teachers 04 (one in lien)=04
Student Teacher Ratio = 14/4 = 3.5
15. **Number of academic support staff (technical) and administrative filled and actual:**

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Technical staff | Nil | Nil | Nil |
| Administrative staff | 08 | 03 | 03 |

Vacant Position - (5-five) of academic support staff (technical) and administrative

staff

16. Research thrust areas as recognized by major funding agencies:

Three UGC Major Research Project –

- i) Dr. Santanu Rakshit--Local and Global Economic Shocks on local agrarian structure
- ii) Dr. Rathindra Nath Pramanik-NREGA's and conditions of rural labourers
- iii) Dr. Sujit Kr Paul (on lien)-Decentralisation

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Undertaken by | Total grants received | Funding Agency | Project Title |
|-----------------------------|-----------------------|----------------|--|
| Dr. Santanu Rakshit | 5.19lac | UGC | 'Impact of Global and Local Economic Shocks on the Rural Economy-A case study in West Bengal, India during two Phases—I) 1996-2004 & II) 2004- onwards' (UGC Major Research Project-file no.-F.No. 5-354/2012(HRP), 7th August, 2012)- |
| Dr. Rathindra Nath Pramanik | 6.71lac | UGC | 'NREGA and Conditions of Rural Labourers – A Comparative Study of Two Districts in West Bengal' (UGC Major Research Project-file no.-F.No. 5-369/2012(HRP), 7th August, 2012)- |
| Dr. Sujit Kumar Paul | 6.79 Lac | UGC | Strengthening Decntralization in Rural Bengal through Panchyati Raj Institutions and Self help Groups: Some Emerging Issues-F.No. 5-427/2012. |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: Nil

b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil
20. Research facility / centre with
 a) state recognition : Nil b) national recognition: Nil
 c) international recognition: Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications:
- a) No. of papers published in peer reviewed journals:
- i) National/International:
- | | | |
|----------------------------|----------|-----------|
| Dr Rathindra Nath Pramanik | – | 03 |
| Dr. M. A Masillamani | – | 01 |
| Dr. Santanu Rakshit | – | 03 |
| Total | – | 07 |
- b) Monographs: Nil
- c) Chapters in Books:
- | | | |
|----------------------------|----------|----------|
| Prof. Maitreyi Chaudhuri | – | 1 |
| Dr Rathindra Nath Pramanik | – | 2 |
| Total | – | 3 |
- d) Edited Books with ISBN with details of publishers: 1
- Editors**–Dr. Santanu Rakshit & Dr. Rathindra Nath Pramanik
Title--*RURAL DEVELOPMENT: Emerging Challenges in the New Millennium*
Publisher—Abhijeet Publication, New Delhi Forthcoming
- e) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):
- Dr. Santanu Rakshit –**
 (3 papers) in –Web of Science, Scopus, Dare Database =3
- f) Citation Index — range / average:
- Dr. Santanu Rakshit –**
- | | |
|---|-----|
| i) Taylor and Francis-Journal of Peasant Studies (2014) | =22 |
| ii) Wiley Blackwell-Journal of Agrarian Change(2011) | = 7 |
| iii) Elsevier-RSSM(2010) | = 2 |

Average = 10.3

g) SNIP:

Dr. Santanu Rakshit –

- i) Taylor and Francis-Journal of Peasant Studies (2014) = 1.436
- ii) Wiley Blackwell-Journal of Agrarian Change(2011) = 2.36
- iii) Elsevier-RSSM(2010) = 0.64

h) SIR:

Dr. Santanu Rakshit –

- i) Taylor and Francis-Journal of Peasant Studies (2014) = 2.64
Ranking: 1/55 (Planning and Development)
Ranking: 1/83 (Anthropology)
© 2013 Thomson Reuters, 2012 Journal Citation Reports®
- ii) Wiley Blackwell-Journal of Agrarian Change(2011) = 1.252
ISI Journal Citation Reports © Ranking: 2011: 3/55
(Planning & Development); 27/332 (Economics)
- iii) Elsevier-RSSM(2010) = 0.693

i) Impact Factor — range / average:

Dr. Santanu Rakshit –

- i) Taylor and Francis-Journal of Peasant Studies (2014) = 5.805 (2013)
- ii) Wiley Blackwell-Journal of Agrarian Change(2011) = 2.191(2011)

j) h-index:

Dr. Santanu Rakshit –

- i) h-index – 1
- ii) g-index – 2
- iii) e-index – 2

Faculty wise List of publication in detail:

a) Prof. Maitreyi Chaudhuri

Chapter in Books-

Name of the BOOK-*Poverty, Health and Development*, 2009, Edited by---Dr. Sujit Kumar Paul; Section-3—Poverty and Health, Chapter-19-Nutritional Status of Women and Children in three states of India, pp-322-335; Common Wealth Publisher, New Delhi; ISBN-978-81-311-0247-3

b) Dr. Santanu Rakshit-Associate Professor (Economics)

Publication in International Peer-Reviewed Journal,

- i) Paper Titled. -‘ Output, surpluses and ‘stressed commerce’: a study on farm viability and agrarian transition in West Bengal, India in the new millennium’. Journal of Peasant Studies, Volume 41, Issue 3, 2014, Taylor and Francis; DOI:10.1080/03066150.2014.887070; ISSN 0306-6150; Impact factor-**5.805**
 - ii) Paper Titled-" Neo-liberalism and Indian Economy: A Discursive Study""Nr.tat.tv- The Anthropology” Vol-2 No.-3, Vol-3, No-4, July-Dec 2012,Jan-Jun 2013; ISSN-2249-9830.
 - iii) Paper Titled-‘Output, Surpluses and ‘Stressed Commerce’-A study on Farm Viability and Agrarian Transition in West Bengal, India in the New Millenium’, Journal of Peasant Studies, Wiley-Blackwell, 2011, Vol. 11 No. 4, October 2011, , ISSN 0306-6150; **Impact factor-5.805** doi: 10.1080/03066150.2014.887070
 - iv) Paper Titled-‘Capital Intensification, Productivity and Exchange-A Class-Based Analysis of Agriculture in West Bengal in the Current Millennium’, Journal of Agrarian Change, Wiley-Blackwell, 2011, Vol. 11 No. 4, October 2011, ISSN-1471-0366; **Impact factor-2.02** <http://onlinelibrary.wiley.com/doi/10.1111/j.1471-0366.2011.00331.x/abstract>
 - v) Paper Titled-‘Agrarian transition’-diversity in nature, notion and observations—A survey of theoretical expositions and empirical studies with reference to India and West Bengal, Research in Social Stratification and Mobility, Elsevier, Science Direct, 2010, Vol-28 No.-4, December-2010, ISSN-0276-5624. <http://dx.doi.org/10.1016/j.rssm.2010.05.001>
- c) **Dr. Rathindra Nath Pramanik**-Assistant Professor in Economics
- Chapter in Books**
- i) Published an article entitled ‘Indebtedness among Agricultural Labour Households in West Bengal’, in edited book entitled ‘Managing Rural Finances in India’ by Gursharan Singh Kainth, Concept Publishing Company, New Delhi 2010.
 - ii) Published one working paper entitled ‘Income, Consumption and Asset Holding Position of Agricultural Labourers in West Bengal’ in ‘Gender, Opportunities and Empowerment: Aspects of Rural Development’, A. K. Dasgupta Centre for Planning and Development (A Centre Sponsored by the Planning Commission, Govt. of India) Visva-Bharati, Santiniketan, West Bengal, published by New Delhi Publisher, New Delhi, 2014.
 - iii) ‘Income, Consumption and Asset Holding Position of Agricultural Labourers in West Bengal’ in ‘Gender, Opportunities and Empowerment: Aspects of Rural Development’, A. K. Dasgupta Centre for Planning and

Development (A Centre Sponsored by the Planning Commission, Govt. of India) Visva-Bharati, Santiniketan, West Bengal, published by New Delhi Publisher, New Delhi, 2013: 1-27, ISBN:978-93-81274-47-7.

Publication in National Peer-Reviewed Journal

- i) Published an article entitled 'Prospect of Agricultural Development and Industrialization in West Bengal' Artha Beekshan (Journal of Bengal Economic Association), Vol. 18, No. 3, December, 2009.
- ii) Published an article entitled 'Globalization, Growth and Employment in India', 'Journal of Economic and Social Development', Vol. VII, No. 1, 2011
- iii) Published an article entitled 'Vulnerability of Agricultural Labourers – Needed Social Protection in West Bengal', Journal of Economic and Social Development, Vol.- IX, No. 1, 2013
- iv) 'Vulnerability of Agricultural Labourers – Needed Social Protection in West Bengal', Journal of Economic and Social Development, Vol.- IX, No. 1, 2013, ed. Prakash Chandra Deogharia, Dept. Economics, VinobaBhave University, Hazaribagh, Jharkhand, 2013 : 94-104, ISSN: 0973-886X.

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

- a) **National committees:** Nil
- b) **International committees:** Nil
- c) **Editorial Boards:** 01
- d) **Any other (please specify):** 01

Dr. Santanu Rakshit –

Member Midnapore-Kharagpur development authority upto May, 2011.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

a) UGC, ASC, Refresher / Orientation programs :

One faculty 02 Courses (in last 04 years)

b) Workshops :

c) Training Programs:

d) Short Term Programme:

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100% students in semester-III Paper-XIIA (included in our curriculum)
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** None

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:** None
- c) **Students:** 01
(visited China in collaboration with China Bhavana)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Two seminars—University-unassigned grant (UGC)-2011, 2013 = 2

Outstanding Participants-2013

- a) Prof. Raghendra Chattopadhyay-Professor, Public Policy and Management Group, Indian Institute of Management Calcutta, Joka,
- b) Prof. C.R. Pathak, Former Professor, Department of Architecture and Regional Planning, IIT Kharagpur
- c) Prof. Anjan Chakraborty—Professor in Economics, University of Calcutta

31. Code of ethics for research followed by the departments:

Follows University and UGC codes.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| M.A -2012-14 | 57 | 10 | 05 | 29 | 23 |
| M.A -2013-15 | 29 | 01 | 04 | 7 | 29 |
| Ph.D.2012 (a) | 39 | 2 | 1 | 8 | 8 |
| Ph.D.2012 (b) | 26 | 4 | 0 | 28.5 | 0 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M.A -2012-14 | 0 | 89 | 11 | 0 |
| M.A -2013-15 | 0 | 100 | 0 | 0 |
| Ph.D.2012 (a) | 0 | 66 | 33 | 0 |
| Ph.D.2012 (b) | 0 | 50 | 50 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Not available
35. Student progression:

| Student progression | Percentage against enrolled |
|--|--|
| UG to PG | Nil |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 01 |
| Ph.D. to Post-Doctoral | Nil |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | 10 (in last 04 years) Not available |
| Entrepreneurs | Not available |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | Nil |
| from other universities within the State | 4 |
| from universities from other States | 1 |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Ph.D = 1 (Dr. Rathindra Nath Pramanik)

- 38. Present details of departmental infrastructural facilities with regard to**
- a) **Library:** Nil
 - b) **Internet facilities for staff and students:** Available for all.
 - c) **Total number of class rooms:** 03
 - d) **Class rooms with ICT facility:** Wi-fi enabled.
 - e) **Students' laboratories:** Nil
 - f) **Research laboratories:** Not available
- 39. List of doctoral, post-doctoral students and Research Associates:**
- a) **from the host institution/university:**
 - Doctoral – 04
 - i) Saharaj Ahmed Midyya
 - ii) Kallol Das
 - iii) Swatilekha Sanyal
 - iv) Bidisha Banerjee
 - Post Doctoral – NIL
 - b) **from other institutions/ universities :**
 - Doctoral – 07
 - i) Bedadyuti Barman
 - ii) M. Manumol
 - iii) Sanjay Verma
 - iv) Sidhartha Chatterjee
 - v) Ujjal Adhikary
 - vi) Amitava Sarkar
 - vii) Chaitali Chakraborty
 - Post Doctoral – NIL
- 40. Number of post graduate students getting financial assistance from the university:**
- a) Merit scholarship- students for 2-semesters – 03
 - b) All SC/ST , Minority and OBC candidates is getting government assistance through university.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes,**
- Two exercise for development of new Programmes for were undertaken –
- a) In Master Degree Programme a paper on Methodology has been introduced in the year 2009 following the usual procedures followed by the University to start a curriculum.

- b) In 2013 a process for introducing new 5-years integrated MA (Rural Development & Management) programme had been initiated.

42. Does the department obtain feedback from

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, through faculty meeting and Board of Studies meeting.
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, interactions between the faculty members and the students are conducted on various issues on regular basis.
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, through interactive programmes and by conducting work shops which started in March 2013.

43. List the distinguished alumni of the department (maximum 10):

- a) Dr. Jayanta Chaudhuri, Faculty, Tripura University
- b) Dr. Tapati Bhadra, Assistant Professor, (Rural Development)-University of Kalyani
- c) Dr. Arabinda Mahato, Assistant Professor, (Rural Development)-Tripura University.
- d) Satya Ranjan Ghosh, Executive, Water for India
- e) Udit Ghosh Sarkar – Research Director, Social Research, G.F.K MODE, Kolkata.
- f) Dr. Rajesh Chatterjee – Assistant Professor, Tripura University.
- g) Debasish Bhandary, Consultant, UNICEF.
- h) Dr. Dibyendu Ghosh, Senior Executive, Helpage India.
- i) Shabari Kar Gupta, Consultant, GTZ.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) A three hour workshop of Securities & Exchange Board of India on Investment planning on – 2012.
- b) 2-days National Seminar on “Changing Rural Scenario in the New Millennium” march 2013.
- c) National Seminar on ‘Rabindra Nath Tagore and Rural Development’ held in August 27-28, 2011 organized by Palli Charcha Kendra, Visva-Bharati, Sriniketan, Birbhum, West Bengal.
- d) Special lecture from experts from NABARD – Oct’ 2012.
- e) Special lecture by distinguished faculties of various universities—Prof K.K Bagchi and Prof Anil Bhumali (North Bengal University in 2011, 2012).

And

Regular informal lectures given invited Rural Development specialists (National and International) both NGO's and Government Agencies.

45. List the teaching methods adopted by the faculty for different programmes:

Both for MA and PhD coursework-

- a) Class Room teaching
- b) Field Work in Rural areas
- c) Internship in various government and non-government agencies.
- d) Project formulation and evaluation
- e) Group Discussion and class room seminar
- f) Computer training (In our curriculum)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- a) Regular Student-Teacher meeting and discussions
- b) Continuous internal assessment
- c) Semester based Final examination system

47. Highlight the participation of students and faculty in extension activities:

Only academic

- a) As a compulsory programme the students visit to various adjoining villages regularly to collect house hold data as a part of their course curriculum under the super vision of the faculty members.
- b) To Suggests and to designs project plans by implementing various rural development schemes in various villages of interest.

These are all part of our curriculum.

- c) The Students participate in NSS day programme in collaboration with National Youth Foundation, Ministry of Youth and Sports, New Delhi.

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Teachers are engaged in research activities and conducting projects (mentioned earlier).
- b) Lectures /Chairing sessions/participations/visiting professors in National and international programmes.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

This Dept. of Palli Charcha Kendra (PCK) is offering an M.A. course in Rural Development. This subject itself is an emerging subject in the academic arena. We are

giving our efforts to establish this as an academic discipline by developing a course structure and the syllabus which will produce students having a strong basic theoretical know ledges of related core subjects and they will also possess the power to apply those know ledges in the real world situations. Our existing syllabus is a well-blended mix in this direction. The students under the guidance of the faculty members are continuously collecting and analysing data to assess the changing rural scenario and formulating projects for their upliftment. In this way the department has been generating and updating knowledge about social economic and environmental conditions of the surrounding villages.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) This department is a part of the well-known Sriniketan Experiment of Rural Development
- ii) Interdisciplinary department and Faculties are academically sound,
- iii) The faculties are having wide practical experiences,
- iv) They are having good linkages with both the academic world and development organizations and development activists.
- v) Generation of the applied knowledge about the villages.
- vi) Scope of involvement of research support staff in rural survey.
- vii) Two UGC major research project.

b) Weaknesses:

- i) This subject is less known.
- ii) Prospective students are not clear of the opportunities of this subject.
- iii) The UGC has discontinued NET programme of this subject.
- iv) Undergraduate course has not been introduced in this subject.
- v) Honours graduates of other disciplines who are not getting admission in P.G courses of their respective subjects are opting for admission in this subject.
- vi) Absence of adequate infrastructure for setting up of departmental computer lab for students.

c) Opportunities:

- i) Presence of the department in the environment of Gurudev Tagore's Rural Reconstruction experiment (Sriniketan Experiment).
- ii) Developing country like us requires huge number of development personnel.
- iii) New govt. departments and non-govt. organizations are growing up both at the national and international levels.
- iv) Enactment of Corporate Social Responsibilities laws is opening the scopes of appointment in the corporate bodies.
- v) Constitutional amendments for panchayati raj institution also has created huge

opportunities for this subject.

vi) To bring the subject in the knowledge of the prospective students.

d) Challenges (SWOC) of the Department:

i) To bring the subject in the knowledge of the prospective students.

ii) To build a good infrastructure.

iii) To strengthen the linkages among the related academic departments of this university and also with other universities and research institutions.

iv) To make the subject attractive so that good quality students opt for the subject.

v) To prepare students to become successful Rural Development Professionals.

vi) To work in collaboration with the PRI in the preparation of micro-level plans.

52. Future plans of the department:

a) To start undergraduate course in the subject

b) To restart NET examination in the subject.

c) To start action research programmes.

d) To apply for DRS scheme of UGC.

e) To start consultancy services.

f) Introduction of M. Phil. Course in Development Studies.

Evaluative Report of the Department of Lifelong Learning & Extension

1. **Name of the Department :** Department of Lifelong Learning and Extension
2. **Year of establishment :** 1922
3. **Is the Department part of a School/Faculty of the university?** Yes, under Palli Samgathana Vibhaga (Institute of Rural Extension Centre)
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** Ph.D
5. **Interdisciplinary programmes and departments involved:**
The Rural Extension Centre, Visva-Bharati has been involved in doing Research and Extension activities in collaboration with the following Institutions:

External:

- a) MHRD, Govt. of India.
- b) Ministry of Tribal Affairs, Govt. of India.
- c) University Grants Commission.
- d) Panchayat & Rural Development Department, Govt. of West Bengal
- e) Ministry of Self-Help Groups & Self-Employment, Govt. of West Bengal
- f) District Rural Development Cell, Suri, Birbhum.
- g) Elmhirst Institute of Community Studies, Santiniketan.
- h) Tagore Society for Rural Development, Bolpur.
- i) Panchimbanga Gramin Bank, Illambazar, Sriniketan, Raipur Branch
- j) Block Development Office, Illambazar, Bolpur- Sriniketan
- k) Block Primary Health Centre, Bolpur & Illambazar
- l) NABARD
- m) All India Radio, Santiniketan.
- n) Sian Sub-Divisional Hospital, Bolpur
- o) Sriniketan-Santiniketan Development Authority.

Internal:

- a) Dept of Social Work (2 students from Social Work department placed for field placement for one year)

- b) Palli Charcha Kendra
 - c) Silpa Sadan
 - d) Rathindra Krishi Vigyan Kendra
 - e) Palli Siksha Bhavan
 - f) Siksha Satra
 - g) Kala Bhaban
 - h) Siksha-Bhavana
 - i) Patha Bhavana
 - j) Rabindra Bhavana
 - k) Women's Studies Centre
 - l) Vinaya Bhavana(Deptt. of Education).
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil**
- 7. Details of programmes discontinued, if any, with reasons: Nil**
- 8. Examination System: Semester System**
- 9. Participation of the department in the courses offered by other departments : Yes**
 Faculties of the Department participated in the following Courses:
- a) Department of Social Work.
 - b) Department of Environment Science.
 - c) Palli Charcha Kendra.
 - d) Sangeet Bhavana.
 - e) Department of Journalism and Mass Communication.
 - f) Department of Rural Development and Management, Kalyani University.
- 10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**
- | | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 01 | 01 | 01 |
| Associate Professors | 02 | 02 | 02 |
| Asst. Professors | 02 | 01 | 01 |
| Others | — | — | — |
- 11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
- a) **Name** : Prof. Amit Hazra
 - Qualification** : M.Sc., Ph.D
 - Designation** : Professor

- | | | |
|--|---|-----------------------|
| Specialization | : | Agriculture Economics |
| No. of Years of Experience | : | 21 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 10 |
- b)
- | | | |
|--|---|---------------------|
| Name | : | Dr. Rafiqul Islam |
| Qualification | : | M.A., Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Social Work |
| No. of Years of Experience | : | 28 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
- c)
- | | | |
|--|---|----------------------|
| Name | : | Dr. Sujit Kumar Paul |
| Qualification | : | M.A., Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Rural Development |
| No. of Years of Experience | : | 14 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 08 |
- d)
- | | | |
|--|---|----------------------|
| Name | : | Dr. Subhransu Santra |
| Qualification | : | M.A., Ph.D |
| Designation | : | Assistant Professor |
| Specialization | : | Rural Development |
| No. of Years of Experience | : | 09 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 04 |

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) *Former Upacharya of Jadavpur University, Sri Pabitra Sarkar* visited Jadavpur village on the occasion of International Literacy Day.
- b) *Her Excellency Ms. Beth A. Payne, Hon'ble U.S Consul General* visited Ballavpur village to observe folk cultural programme of the villagers organised by Rural Extension Centre. She also took a quick look on the products of our craftsmen during the occasion.
- c) *Hon'ble Consul General of Royal Bhutan Mr. Wangda* visited Supur village to observe the activities of the department and also interacted with the villagers.

- d) ***Sri K.K Banarjee, Director, Raja Rammohun Ray Library Foundation, Ministry of Culture, Govt. of India*** paid his visit as a chief guest to observe our activity during Vasanta Utsav.
- e) ***Sri Swapan Basu, renounced folk artist of Bengal*** visited Noorpur village on the occasion of International Children's Day on 14th November, 2009.
- f) ***Prof. Amitava Chatterjee, Former Professor, Department of Library & Information Science, Jadavpur University, Kolkata*** paid his visit to Binuria, Kendra Dangal and Ballavpur libraries to observe our activities in rural libraries.
- g) ***Mr. Jawhar Sirkar, Secretary, Ministry of Culture, Govt. Of India*** visited Dangapara village to inaugurate rural libraries. A brief cultural programme was organised by the Music Unit of the Department on this occasion.
- h) ***Eminent Chinese author & transcriber Mr. Dong yu chen*** visited Binuria village to observe the activities of Rural Extension Centre. Members of SHGs and Mahila Samity welcomed him and participated in the interaction.
- i) ***Director of American Centre & Public Affairs Officer, Kolkata, Mr. Chud Cummins*** visited Supur village to interact with the members of Mahila Samity and SHGs. He also took a quick look on the activities of library of Supur Debdoot Club.
- j) ***Hon'ble Governor General of Andaman & Nicobar Island, Lt. Gen (Retd.) Sri Bhupinder Singh*** visited Rural Extension Centre to observe the activities of the department.
- k) ***Sri K.K Banarjee, Director, Raja Rammohun Ray Library Foundation, Ministry of Culture, Govt. of India*** paid his visit on two occasions to inaugurate new buildings of rural libraries of Ramnagar, Binuria and Dangapara villages.
- l) ***Principle Secretary, Elementary Education, Govt. Of Andrapradesh Smt. Chandana Khan Bhaduri*** visited Kendradangal and Binuria Rural Libraries and interact with the librarians, readers and villagers about the working of Library.
- m) ***Vice-Chairman, University Grant Commission, Prof. Vedprakesh*** visited Binuria village to observe the activities of Brati Dal and library.

On this occasion a craft exhibition was also organised by the craftsmen of the village.

- n) *Members of the fact finding committee headed under the chairmanship of Prof. Sabyasachi Bhattacharya, former Vice-Chancellor of Visva-Bharati along with other dignitaries* visited Raipur village to observe craft exhibition and functioning of rural library.
- o) *A Team from UNESCO* visited the department to observe the activities and infrastructure of Sriniketan. A craft exhibition was also organised during

13. **Percentage of classes taken by temporary faculty — programme-wise:** Nil

14. **Programme-wise Student Teacher Ratio :** N.A.

15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :**

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|----------|--------------------|
| Technical staff | 12 | 06 | 05 (01 on lien) |
| Administrative staff | 05 | 03 | 03 |
| Total | 17 | 9 | 8 |

16. **Research thrust areas as recognized by major funding agencies:**

- a) Rural Development
- b) Elementary Education

17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**

| Name of Faculty | National/International funding agency | Title of the Project | Grants received(Rs) |
|----------------------------------|--|---|--|
| Professor Amit Kumar Hazra | 1. Ministry of Human Resource Development D/o School Education & Literacy 2. Indian Audit and Accounts Department | 1. Evaluation /Impact Assessment of ICT @ School Scheme 2. Development of the Benchmarking Tools for PRIs 3. Conduction of Child labour Survey in | 1. Rs. 5.90 Lac 2. Colaborative 3. Rs. 2.75 Lac 4. Rs. 1.00 Lac 5. Rs. 8.40 Lac 6. Rs. 2.70 Lac |

| | | | |
|---------------------|---|--|--|
| | 3. Labour Commissioner, Birbhum, Govt. of West Bengal 4. Save the Children and UNICEF 5. Sarba Siksha Mission, Birbhum 6. Department of Science and Technology, Govt. of India | Birbhum District 4. Developing community based child protection & monitoring mechanism to combat child trafficking from West Bengal 5. Model Rural Primary School: A challenge for providing quality Education to all. 6. Development of and Integration of Biomass and Concentrating Photovoltaic System for Rural and Urban Energy bridge: BioCPV (Co Principal Investigator) | |
| Dr.Rafiqul Islam | 1.Dept. of School Education & Literacy MHRD, Govt. of India 2.Dept. of School Education, Project Director CMDMP, Govt of West Bengal | 1.Evaluation Study on implementation of RMSA Programs 2.Monitoring Evaluation of MDM programmes of WB | |
| Dr.Sujit Kumar Paul | 1.Ministry of Tribal Affairs, Govt. of India. 2.Ministry of Tribal Affairs, Govt. of India. 3.UGC | 1.Empowerment of Tribal Women through Self Help Group. 2.Impact of Post-Matric Scholarship among the Tribals. 3.Strengthening Decentralization in Rural Bengal Through PRIs & SHGs: Some Emerging Issues. | 1.Rs. 2,50,000/- 2.Rs. 2,50,000/- 3.Rs. 6,69,000/- |

ON-GOING PROJECTS:

| Name of the Project | Sponsored By | Amount (Rs. in Lakh) |
|--|--|-----------------------------|
| Development of The Benchmarking Tools For PRIs | Indian Audit and Accounts Department | Colaborative |
| Conduction of Child Labour Survey in Birbhum District | Labour Commissioner, Birbhum, Govt. of West Bengal | 2.75 |
| Developing Community based Child Protection & Monitoring Mechanism to Combat Child Trafficking from West Bengal. | Sponsored by Save the Children and UNICEF | 1.00 |
| Model Rural Primary School: A Challenge for Providing quality Education to All | Sarba Siksha Mission, Birbhum. | 8.40 |
| Evaluation/Impact Assessment of ICT @ School Scheme | Ministry of Human Resource Development D/o School Education & Literacy | 5.90 |
| Development and Integration of Biomass and Concentrating Photovoltaic System for Rural and Urban Energy Bridge: BioCPV (Co Principal Investigator) | Department of Science and Technology, Govt. of India | 270 |

18. Inter-institutional collaborative projects and associated grants**a) National collaboration:**

- i) Workshop titled “Academia – Civil Society Organizations Interface for the Development of Birbhum” was conducted in collaboration with a national NGO, PRIA & ‘Samannay’. 70 participants from 35 CSOs of Birbhum district participated in the workshop.
- ii) A Survey project was conducted with the financial assistance from DRDC Birbhum. The name of the project was “Identification of Potential Youths in the villages of Bolpur-Sriniketan Block”.

- iii) Project Monitoring & Supervision of SSA and MDM Programs for the selected Districts (10) of West Bengal under the sponsorship of department of School Education and Literacy, MHRD, Govt. of India since 2003
- iv) Project Monitoring & Supervision of SSA and MDM Programs for the A& N Islands Research study Sponsored by Dept. School Education & Literacy, MHRD, Govt. of India since 2011.
- v) Research study on MDM Programs of four Districts of (Birbhum, Bankura, Coochbehar and Howrah) West Bengal under the Sponsorship of Department of School Education, Govt of West Bengal.
- vi) Development of The Benchmarking Tools For PRIs under the sponsorship of Indian Audit and Accounts Department
- vii) Conduction of Child Labour Survey in Birbhum District under the sponsorship of Labour Commissioner, Birbhum, Govt. of West Bengal
- viii) Developing Community based Child Protection & Monitoring Mechanism to Combat Child Trafficking from West Bengal under the sponsorship of Save the Children and UNICEF
- ix) Project title “Model Rural Primary School: A Challenge for Providing quality Education to All” under the sponsorship of Sarba Siksha Mission, Birbhum.
- x) Project title Evaluation/Impact Assessment of ICT @ School Scheme under the sponsorship of Sarba Siksha Mission, Birbhum.
- xi) Project titled “Development and Integration of Biomass and Concentrating Photovoltaic System for Rural and Urban Energy Bridge: BioCPV” (Co Principal Investigator). Under the sponsorship of Ministry of Human Resource Development D/o School Education & Literacy. Department of Science and Technology, Govt. of India

b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: UGC – Rs. 6.60lakh

20. Research facility / centre with

a) state recognition : Nil

b) national recognition: Nil

c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

a) No. of papers published in peer reviewed journals:

i) National/International:

Prof. Amit Hazra – 05

Hazra, A. (2009): **Evaluating Participatory Democracy : Some Methodological Issues and Evidences**. Paper published in *Global Quest for Participatory Democracy*, (ed) Anand Kumar, Sage Publications, New Delhi.

Hazra, A. (2009) : **Dynamics of Minimum Needs Development : A Participatory Approach**. Paper published in the **Developmental Paradigm and Bottom-up Approaches** (Ed. Rajesh Chatterjee), published by Avijit Publication, New Delhi.

Hazra, A. (2013) : **Gala Rural Development Programmes in India : Challenges and opportunities**. Paper published in “Rural Development : Challenges and Opportunities”, Vol. II, (Ed. Dr. Piyal Basu Roy), published by the Geographical Society of North Bengal.

Hazra, A. (2013) : **Challenges that face decentralized PRIs in mobilizing resources**. Paper published in “The Management Accountant”, Dec. 2013, vol. 48, no. 12, ISSN: 0972-3528.

Hazra, A. (with Bandopadhyaya, K. and Choudhury, S (2014) : **Renewable**

Energy Transfer for Rural Poor: A Strategic Approach. Paper published in the International Journal of Humanities and Social Science (IJHSS), published by Center for Promoting Ideas, USA. ISSN 2220-8488

Dr. Sujit pal – 06

“Transparency in Governance and Participation of Gram Panchayat members”, *Journal of Extension and Research*, Vol. XVI, No. 1 & 2, January 2014, Gandhigram Rural Institute – Deemed University, 2014:92-98. ISSN - 0972351X

“Education of First Generation Learners of Tribal Families: A Study on the Initiative of the Development Organization in the Tribal Villages of Chaupahari Jungle of Birbhum District in West Bengal”. *Indian Journal of Adult Education*, 2010 Vol. 71, No.2 P.P. 78-96.

“Regional and National Development: From the Perspective of Rural Development in India”. *Journal of World Education*, 2009 Vol. 39, No. 1&2, P.P. 17-22.

“Corporate Social Responsibility towards Sustainable Rural Development: A Study”. Journal of Social Work and Social Development, 2010 Vol. 1 No. 1 P.P. 85-101.

“Tagore’s Experiment on Rural Reconstruction with Special Reference to *BratiBalakSamgathana* (Children Scouts)” World Focus, 2011 Vol. XXXII No. 1 P.P. 52-55.

“Transformation of a Backward Village into a Model Village for Livelihood Development: A Study in Purulia District of W. B.” Jharkhand Journal of Development and Management Studies, 2011 Vol. 9 No. 2 P.P. 4365-4380.

Dr. Subhrangsu Santra – 07

‘Gender Perspective in Disaster Preparedness a Study in Flood –prone Areas in Rural West Bengal’ Social Work Chronicle, Volume 1, Issue 2, June 2013 Publishing India Group, S. Santra, T. Pal & P. Dubey(2013) ISSN 2277-1395.

Santra, S. & P. Dubey (2013); “Weaving and livelihood in Shantipur of West Bengal: Past and Present”, pp-4014-4017, International Journal of Current Research, Volume 5, Issue 12, December 2013, ISSN: 0975-833X

Santra, S. & P. Dubey (2012); “Means of Livelihood among the Weaver Community of Shantipur of Nadia District”, pp-166-173 International Journal of Current Research and Review www.ijcrr.com, Vol. 04 issue 06 March 2012 E-ISSN: 0975-5241 (Online) P-ISSN: 2231-2196 (Print).

Santra, S., T. Pal & P. Dubey (2013); “Gender Perspective in Disaster Preparedness a Study in Flood-prone Areas in Rural West Bengal”, Social Work Chronicle, Volume 1 Issue 2, 2012 Publishing India Group ISSN Number: 2277-1395.

Ujjal Marjit, Ratan Roy, **Subhrangsu Santra**, Utpal Biswas “Multi-Agent Based Service-Oriented Middleware for E-Governance: A Semantic Web Service Based Approach “International Journal for Engineering Technology and Management, Vol-1, pp 34-39 ISSN: 09749535.

Ujjal Marjit, **Subhrangsu Santra**, Utpal Biswas “A Novel Semantic Web Service Based Approach to One-Stop portal for E-Governance” International Journal on Computer Engineering and Information Technology (IJCEIT), Vol-9, No-14 pp. 41-46 January 2010-February 2010. ISSN: 09742034 Published by SERC.

Ujjal Marjit, Arup Sarkar, **Subhrangsu Santra**, Utpal Biswas” A Goal Driven Framework for Service Discovery in Service-Oriented Architecture: A Multi-Agent Based Approach” International Journal of Computer and Communication Technology, pp 251-256 Vol1 Issue 2, 2010, ISSN (Print) 0975-7449. Published by IPM Pvt Ltd Interscience Campus.

b) Monographs:

Dr. –

i)

c) Chapters in Books:

Dr. Subhrangsu Santra

d) Edited Books:

Dr. –

e) Books with ISBN with details of publishers:

Dr. Sujit Pal

- i) “Livelihood Development of the Tribals: The Changing Scenario” *“Livelihood and Health - Issues and Process in Rural Development* ed. P. Dash Sharma & Dipankar Chatterjee. Serials, New Delhi, 2013: 12-26. ISBN: 978-81-8387-629-2
- ii) “Decentralized Planning: Experience of West Bengal Panchayats” *Governance of Commons and Livelihood Security* ed. Himadri Sinha & Anant Kumar. Xavier Institute of Social Service, Ranchi, 2013: 239-250. ISBN: 978-81-904110-2-8
- iii) “Livelihood Pattern of Tribals: A study on Transition from Traditional to Modernity” *Food and Environmental Security – Imperatives of Indigenous Knowledge Systems* ed. Debabrata Das Gupta. Agrobios, India, 2013: 60-64. ISBN: 978-81-7754-509-8
- iv) Poverty, Health and Development, Commonwealth Publishers, New Delhi, Pages-456, 2009, ISBN 978-81-311-0247-3

Subhrangsu Santra

- i) Author of the book “**Pattern of Consumption in Rural Bengal : Continuity and Change**”, Lambert Academic Publishing, Germany, ISBN: 978-3-659-43188-3 (**Single author**).
- ii) One of the Co-authors of **The Pratichi Health Report: The Delivery of Primary Health Services: A Study in West Bengal and Jharkhand**; With an **introduction by Professor Amartya Sen**; pages 134 TLM Books in association with Pratichi (India) Trust, Delhi, an imprint of Indigo Publishing Pvt. Ltd.

- iii) One of the Co-authors of Pratichi Shisha Pratibedan (Bengali): *Bhumika: Professor Amartya Sen*, Dey's Publishing, Kolkata.
 - iv) One of the Co-authors of The Pratich Child Report: A Study on the Delivery of ICDS in West Bengal With a foreword by **Professor Amartya Sen**, TLM Books in association with Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091.
 - v) One of the Co-authors of Government - Private Interface in Primary Schooling System: A study in West Bengal ; TLM Books in association with Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091.
 - vi) One of the Co-authors of Cooked Mid-Day Meal Programme in West Bengal : A study in Birbhum District www.righttofoodindia.org .
 - vii) One of the Co-authors of Delivery of Primary Education in Kolkata TLM Books in association with Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091.
 - viii) One of the Co-authors of Pratichi Swasthya Pratibedan (Bengali); *Mukhabandha: Professor Amartya Sen*, TLM Books in association with Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091.
 - ix) One of the Co-authors of Pratichi Shishu Pratibedan; *Mukhabandha: Professor Amartya Sen*, TLM Books in association with Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091.
 - x) One of the Co-authors of Kolkata-e Sarkari Prathamik Shikshar Rupayan: Ekti Samiksha (Bengali); *Mukhabandha: Professor Amartya Sen*, Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091, in association with SSA-Birbhum and DPSC-Birbhum.
 - xi) One of the Co-authors of Paschimbange Prathamik Shikshae Besarkari Udyog: Ekti Samiksha Pratichi (India) Trust, A 708 Anand Lok, Mayur Vihar I, Delhi – 110091, in association with SSA-Birbhum and DPSC-Birbhum
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
Dr. –
 i)
- d) **Citation Index — range / average:**
Dr. –
 i)

- e) **SNIP:**
Dr. –
 i)
- f) **SIR:**
Dr. –
 i)
- g) **Impact Factor — range / average:**
Dr. –
 i)
- h) **h-index:**
Dr. –
 i)
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:** Nil
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil
- 26. **Faculty serving in**
 - a) **National committees:**
 - b) **International committees:**
 - c) **Editorial Boards:**
 - d) **Any other (please specify):**
 Member of School Education & Literacy MHRD, Govt. of India – 1
 Vice President, AWE International – 1
 Member, Indian Adult Education Association – 1
- 27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
 All the Faculties per year are generally sent for undergoing refresher, short term training program, orientation program, workshop etc. sponsored by UGC at ASC or other reputed organizations.
- 28. **Student projects:**
 - a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
 - b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:**
 b) **Doctoral / post doctoral fellows:** Nil
 c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|-------------------------------------|--|--|---|
| 12 th August, 2013 | “Community College” | Visva-Bharati | 100 participants from all over the country. |
| | National Workshop on “Cancer Awareness” | Visva-Bharati | |

31. Code of ethics for research followed by the departments:

Follows University and UGC codes.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|---|--------------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| Ph.D | 21 | 03 | 01 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|--|
| | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Not applicable

35. Student progression:

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 50% |
| from other universities within the State | 25% |
| from universities from other States | 25% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** One library in the Bhavana
- b) **Internet facilities for staff and students:** Internet facilities for staffs are available.
- c) **Total number of class rooms:** 02
- d) **Class rooms with ICT facility:** Nil
- e) **Students' laboratories:** Nil
- f) **Research laboratories:** Nil

39. List of doctoral, post-doctoral students and Research Associates: 11

- a) **from the host institution/university:**

- i) Mitali Sen
- ii) Debarati Mitra
- iii) Mousumi Chakroborty
- iv) Peden Bhutia
- v) Sourodipta Mukherjee
- vi) Jaya Pandey
- vii) Kunal Bandopadhyay
- viii) Tanmoy Dutta
- ix) Anindita Gupta
- x) Anindya Mitra
- xi) Argha Roy

b) from other institutions/ universities :

- 40. Number of post graduate students getting financial assistance from the university: NA**
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**
 - a) Workshop conducted for the development of Curriculum on P.G. Degree on Entrepreneurship Development and NGO Management.
 - b) PRA, FGD, Meeting.
- 42. Does the department obtain feedback from**
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, through departmental faculty meeting and Board of Studies meeting.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, through student-faculty meeting held on different issues and in regular basis.
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, through Interactive discussions with passed out students.
- 43. List the distinguished alumni of the department (maximum 10):**
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Attached
- 45. List the teaching methods adopted by the faculty for different programmes:**
Both for MA and PhD coursework-

- a) Class Room teaching
 - b) With audio-visual aid
 - c) Conducting Projects and evaluation.
 - d) Group Discussion and class room seminar
 - e) Computer training (In our curriculum)
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
- a) Regular Student-Teacher meeting and discussions
 - b) Continuous internal assessment
 - c) Semester based Final examination system
- 47. Highlight the participation of students and faculty in extension activities:**
- The dept. is having a wing of extension activities where faculties use to look after the related works including design development. The students are actively involved in the said program. Students' practical works (in the form of their project works) are tried to introduce in real extension activities.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- a) Teachers are engaged in research activities and conducting projects (mentioned earlier).
 - b) Lectures /Chairing sessions/participations/visiting faculties in other Institution and National program.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No**
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- Rabindranath Tagore, the Nobel Laureate Poet and great philosopher, is also considered as the pioneer of Rural Reconstruction programmes in India. He started 'Sriniketan Experiment' on Rural Reconstruction long back in 1922. It was regarded as second experiment after Santiniketan. The Sriniketan experiment model was based on the philosophy and spirit of self-reliance and mutual co-operation. The aim of Sriniketan was “to bring back life in its completeness into the villages, making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions”. Tagore wanted a holistic improvement covering all aspects of prosperity of rural life like improvement of agriculture, education, and health, livelihood and handicrafts etc. The basic objective was to improve the quality of life and to respect their heritage. This rich historical and traditional base of earlier extension work at Sriniketan has facilitated us

to formulate need based approaches to rural reconstruction and extension programmes which suit emerging socio-economic pattern.

After Independence, rural India is witnessing exciting changes in terms of peoples' articulation of new demands, gender assertiveness, environment consciousness and grass root movements. Simultaneously, dimension of rural development and its problems are assuming greater complexities due to the emerging socio-political scenario in India. Keeping parity with the emerging situation, the Rural Extension Centre has reorganized its activities and adopted an integrated approach to work in three vital areas of development viz. Teaching, Research and Extension.

Rural Extension Centre (REC) is one of the oldest departments under Visva-Bharati. It has been actively engaged in improving the condition of the villagers since its inception. Over the years the Centre has been giving emphasis on extension programmes to encourage the villagers to become self-reliant through formation of Village Development Societies, Self-Help Groups, Youth Organizations, MohilaSamities (women's forum). From inception this department has been playing the role of advocacy for the co-operative way of living with integration, local initiatives, local leadership and local self governance in every aspect of public life.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Need based Course curriculum
- ii) Experienced & qualified faculties
- iii) Hands on training facilities
- iv) Intimate teacher-student relationship
- v) Infrastructural facilities
- vi) Strong exposure in area of study.

b) Weaknesses:

- i) Not having the Masters programs
- ii) Inadequate facilities like internet, transport for the students
- iii) Wide distance from Metropolitan city
- iv) Diversity in economic conditions among students

c) Opportunities:

- i) Scope of transferring knowledge to the rural community of nearby villages
- ii) Dissemination of research output to the planners and policy makers.
- iii) Wider spaces for extension
- iv) Administrative simplicity
- v) Cordial relationship among students, staffs & faculties

d) Challenges (SWOC) of the Department:

- i) Keeping pace with the changing scenario in educational systems
- ii) Combating the changing human culture
- iii) Creating need based facilities for the students
- iv) Restoration of discipline
- v) Restoration of moral values.

52. Future plans of the department:

- a) To start P.G. program
- b) To support planners and policy makers.
- c) To take initiatives in multidisciplinary research
- d) To strengthen the ongoing extension activities.

Evaluative Report of the Department of Silpa Sadana

1. **Name of the Department :** Silpa-Sadana
2. **Year of establishment :** 1922
3. **Is the Department part of a School/Faculty of the university?** Yes, part of Palli Samgathana Vibhaga.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG and Six Certificate Courses
5. **Interdisciplinary programmes and departments involved :**
Workshops and training program meant for the villagers under Rural Extension Centre, PSV were organized where the faculties of the Department participated as resource persons. Technical expertise in the areas of Pottery works, Batik works etc. had been extended from the department. These programs are aimed basically to develop entrepreneurship in rural endeavour.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Semester and Choice based credit System
9. **Participation of the department in the courses offered by other departments:**
The department has to participate in the way of proving its faculties/expertise in conducting teaching subjects, being vocational in nature for the courses like B. Ed. offered by other departments and preparing course curriculum, conducting examinations in other department like Siksha Satra, Patha Bhavana.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 01 | 01 | 02 |
| Associate Professors | 03 | 03 | 03 |
| Asst. Professors | 17 | 16 | 15 |
| Others | — | — | — |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Prof. Rajkumar Konar
Qualification : M.Des
Designation : Professor
Specialization : Architecture, Furniture, Interior, Product Design
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- b) **Name** : Dr. Padmini Balaram
Qualification : Ph.D
Designation : Professor of Design and HOD Silpa-Sadana
Specialization : Industrial Design (Testile Design), Art History, Exhibition Design
No. of Years of Experience : From 1st January 1981 till date 33 years 8 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- c) **Name** : Santanu Kumar Jena
Qualification : M.F.A.
Designation : Associate Professor
Specialization : Ceramic & Glass
No. of Years of Experience : 05
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- d) **Name** : Vishal C Bhand
Qualification : M.Sc (Textiles)
Designation : Associate Professor
Specialization : Textile Design
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- e) **Name** : Sumitabha Pal
Qualification : M.F.A. in Sculpture
Designation : Associate Professor

- Specialization** : Sculpture
No. of Years of Experience : 06 years 07 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- f) Name** : Dr. Prabir Kumar Choudhuri
Qualification : M.Sc(Tech), Ph.D
Designation : Assistant Prof (S-3)
Specialization : Mech. Processing of Textiles
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- g) Name** : Madhusudan Hazra
Qualification : Dip. In Handloom Weaving.
Designation : Assistant Prof (S-2)
Specialization : Handloom Weaving
No. of Years of Experience : 23
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- h) Name** : Arun Kumar Sharma
Qualification : M.F.A
Designation : Assistant Prof (S-2)
Specialization : Pottery-Ceramics
No. of Years of Experience : 32
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- i) Name** : Sanjoy Goswami
Qualification : B.Sc
Designation : Assistant Prof (S-2)
Specialization : Paper Making
No. of Years of Experience : 23
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- j) Name** : Shyamali Sengupta
Qualification : M.Sc, Dip. in Wood work
Designation : Assistant Prof (S-2)
Specialization : Wood work
No. of Years of Experience : 16

- No. of Ph.D./M.Phil. students guided for the last 4 years** : Dept. does not have Ph.D/M.Phil Programme
- k) Name** : Dr. Arabinda Mondal
Qualification : M.Tech, Ph.D(Tech)
Designation : Associate Prof.
Specialization : Fine Ceramics & Ceramic composites
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- l) Name** : Dr. Asish Mitra
Qualification : M.Sc(Tech)
Designation : Assistant Prof (S-2)
Specialization : Mech. Processing of Textiles
No. of Years of Experience : 13
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- m) Name** : Dr. Shankar Roy Maulik
Qualification : M.Tech, Ph.D
Designation : Assistant Prof (S-2)
Specialization : Textile Chemistry
No. of Years of Experience : 12
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- n) Name** : Amrit Kumar Das
Qualification : Dip. in Wood work
Designation : Assistant Prof (S-1)
Specialization : Wood work
No. of Years of Experience : 23
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- o) Name** : Debkumar Das
Qualification : B.Com, Dip. in Wood Work
Designation : Assistant Prof (S-1)
Specialization : Wood work
No. of Years of Experience : 07
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme

- p) **Name** : Mrinal Kanti Sarkar
Qualification : B.F.A
Designation : Assistant Prof (S-1)
Specialization : Textile Design
No. of Years of Experience : 07
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- q) **Name** : Jaya Boro
Qualification : M.F.A
Designation : Assistant Prof (S-1)
Specialization : Pottery, Ceramics
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- r) **Name** : Ashis Ghosh
Qualification : M.F.A
Designation : Assistant Prof (S-1)
Specialization : Wood work
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- s) **Name** : Sukanya Chatterjee
Qualification : M.Sc (Wood Science)
Designation : Assistant Prof (S-1)
Specialization : Wood Sc. & Tech.
No. of Years of Experience : 07
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme
- t) **Name** : Nabakumar Majhi
Qualification : M.F.A
Designation : Assistant Prof (S-1)
Specialization : Interior Accessories
No. of Years of Experience : 07
No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme

- u) Name : Manoj Kumar Prajapati
 Qualification : M.F.A
 Designation : Assistant Prof (S-1)
 Specialization : Pottery & Ceramics
 No. of Years of Experience : 08
 No. of Ph.D./M.Phil. students guided for the last 4 years : Dept. does not have Ph.D/M.Phil Programme

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Visiting Fellows

- a) Prof. Balachandran
 b) Mrs. Sabnam
 c) Pinaki Ranjan Chatterjee

13. Percentage of classes taken by temporary faculty — programme-wise:

- a) Undergraduate 5.2 (in the specialization programme only)
 b) Certificate Course – Nil

14. Programme-wise Student Teacher Ratio:

- a) Certificate Courses 4.8 : 1 (based on intake capacity), 2.95 : 1 (Actual)
 b) Undergraduate – 7.20 : 1 (based on intake capacity), 6.8 : 1 (Actual).
 * The courses are more practical biased requiring engagement of more faculties

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Technical staff | 18 | 11 | 11 |
| Administrative staff | 10 | 10 | 08 |

16. Research thrust areas as recognized by major funding agencies:

- a) Waste utilization in Ceramics
 b) Eco friendly dyeing & printing with Natural Dyes on textiles,

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Name of Faculty | National/International funding agency | Title of the Project | Grants received(Rs) |
|---------------------|---|--|---------------------|
| Dr. Arabinda Mondal | Department of Science and Technology, GOI | Effect of Fly ash on the development of ZrO ₂ cordierite-composite. | 16.85 lakh |

| | | | |
|-----------------------|------------------------------|---|----------|
| Dr. Sankar Roy Maulik | University Grants Commission | Value addition of handloom cotton fabric through natural colour dyeing (F. No. 41-1307/2012(SR), dt 30.7.12 | 1.6 lakh |
|-----------------------|------------------------------|---|----------|

18. **Inter-institutional collaborative projects and associated grants**
 - a) National collaboration: Nil
 - b) international collaboration: Nil
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:**
 - a) DST- FAST – Rs. 16.85 lakh
 - b) UGC – Rs.1.6 lakh
20. **Research facility / centre with**
 - a) state recognition : Nil
 - b) national recognition: Nil
 - c) international recognition: Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies: Nil**
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals:**
 - i) **National/International: 48 (Forty eight) details given as follows:**

Dr. Padmini Balaram – 03

Balaram, P. (2014). A Comparative Study of Asian Indigo and a Few Embellishment Techniques used for Designing, in India, China, Korea and Japan. *A Value Chain in Natural Dyes* Proceedings from IWND 2014, International Workshop on Natural Dyes (pp. 63-68), Acharya N. G. Ranga Agricultural University, Hyderabad, 5th-7th March 2014. ISBN: 978-93-83635-00-9

Balaram, P. (2012). Eco-Friendly Dyes of India. Proceedings from the *National Seminar on Vegetable Dye and Its Application on Textiles*, (pp. 143-148). Sriniketan: Silpa-Sadana,

Balaram, P. (2011). Swastika in the East and the West. Proceedings from the *International Conference and Exhibition 2011 on Art and Design: Integration of the East and The West*, organized by Faculty of Applied Arts and Design, Ubon Rachathani University, (pp.47-57) Thailand: Ubon Rachthani University.

Dr. Arabinda Mondal – 06

“Studies on the partial replacement of feldspar by glassy frit in porcelain” Indoceram AIPMA, Vol. 45, No. 1, 2009, pp 17-22, ISSN No. 2321-1970.

“Effect of substitution of quartz by zircon in glass bonded porcelain” Indoceram AIPMA, Vol. 46, No. 4, 2010, pp 83-86 ISSN No. 2321-1970.

“Effect of MgO as dopant on the physical properties of porcelain” Indoceram AIPMA, Vol. 47, No. 3, 2011, pp 22-25, ISSN No. 2321-1970.

“Effect of incorporation of ZnO containing glaze on the densification of porcelain” Indoceram of AIPMA, Vol. 48, No. 2, 2012, pp 42-45, ISSN No. 2321-1970.

“Utilization Potential of Indian Fly ash – A Review” Indoceram of AIPMA, Vol. 1, No. 3, 2013, pp 59-67, ISSN No. 2321-1970.

“Studies on the Zirconia-Mullite composite derived from dehydroxylated kaolinite” Indoceram of AIPMA, Vol. 2, No. 2, 2014, pp 37-41, ISSN No. 2321-1970.

Dr. Prabir Kumar Choudhuri – 06

‘A Diagnostic Report on Cluster Development Programme of Shantipur Handloom Cluster, Nadia, West Bengal: Part I – Evolution of the Cluster and Cluster Analysis’, *Indian Journal of Traditional Knowledge*, 8(4), 502-509, (2009).

‘Manufacturing of Eri Silk Yarn: A Review’, *Man-made Textiles in India*, vol.no. 39(10)pp359- (2012) ISSN 0377 – 7537

Studies on Tensile properties of Eri/Acrylic blended yarn, *Indian Journal of fibre & Textile Research*, Vol. 38, March 2013, pp. 66-73, ISSN: 0971-0426,

Thermal Behaviour of Textiles – A Review, *Man-made Textiles in India*, Vol. XLI No. 3, pp.93-96 (2013) ISSN 0377 – 7537

Choudhuri. P.K , Majumdar P.K & Sarkar B, Studies on Tensile Properties of Eri Silk/Polyester Blended Yarn Using Design of Experiment Methodology, *Journal of The Institution of Engineers (India): Series E: Springer Publication*, Volume 94, Issue 1 (2013), Page 37-46

Choudhuri. P.K, Application of multi Criteria Decision Making (MCDM) Technique for the Selection of Vegetable dyes, *Journal of*

the Textile Association, Volume 74, No. 5 (2014), Page 288-292 ISSN 0368-4636

Asish Mitra

– 13

'A Diagnostic Report on Cluster Development Programme of Shantipur Handloom Cluster, Nadia, West Bengal: Part I – Evolution of the Cluster and Cluster Analysis', Indian Journal of Traditional Knowledge, 8(4), 502-509, (2009).

'Effect of Moisture on the Quality of 100% Viscose Yarn', Man Made Textiles in India, Vol. LII, No. 5, 153-156, (2009).

'Soft Computing Applications in Fabrics and Clothing: A Comprehensive Review', Research Journal of Textile & Apparel, 14(1), 1-17, (2010).

'Forecasting Comfort in Clothing Textile Materials Using Soft Computing Tools', Asian Textile Journal, 19(9), 66-69, (2010).

'CAD/CAM Support for Jacquard Based Textile Industry', Indian Textile Journal, Vol. CXXII, No. 1, October, 53-58, (2011).

'Comparative Analysis of Regression and ANN Models for Predicting Drape Coefficient of Handloom Fabrics', Indian Journal of Fibre and Textile Research, ISSN: 0971-0426, Vol 37, December, 313-320, (2012).

'Geotextiles and its application in coastal protection and off-shore engineering', Journal of the Textile Association, ISSN 0368-4636, May-June, 5-11, (2013).

'Selection of handloom fabrics for summer clothing by AHP method of Multi-Criteria Decision Making (MCDM) Techniques', International Journal of Management, IT and Engineering (IJMIE), ISSN 2249-0558, August, Vol 3, Issue 8, 265-277, (2013).

'Predicting thermal resistance of cotton fabrics by artificial neural network model', Experimental Thermal and Fluid Science, ISSN: 0894-1777, Vol. 50, October, 172-177 (2013).

'A study of some mechanical properties of eri fabric and comparative study with wool fabric', Man Made Textiles in India, ISSN: 0377-7537.

Mitra A., Majumdar P.K., Bannerjee D., *'Predicting Air Permeability of Handloom Fabrics: A Comparative Analysis of Regression and Artificial Neural Network Models'*, Journal of The Institution of Engineers (India):

Series E, ISSN: 2250-2483, Vol. 94, Number 1, DOI 10.1007/s40034-013-0018-5, 29-36, March-August 2013.

Mitra A., 'CAD/CAM Solution for Textile Industry — An Overview', International Journal of Current Research and Academic Review (IJCRAR), ISSN: 2347-3215, Vol. 2, No. 6, June, 41-50 (2014).

Mitra A., Majumdar A., Ghosh A., Majumdar P.K., and Bannerjee D., 'Selection of Handloom Fabrics for Summer Clothing Using Multi-Criteria Decision Making Techniques', Journal of Natural Fibres, Taylor & Francis, ISSN: 1544-0478 (Print), 1544-046X (Online), In Press.

Shantanu Kumar Jena – 01

"New Design Trends in Tableware's " Journal of All India Pottery Manufacturers' Association Vol.1 No.1,2012

Dr. Sankar Roy Maulik – 17

Painting on handloom cotton fabric with colourants extracted from natural sources, (TK-5811), *Indian J Traditional Knowledge*, 13 (3), 2014, pp 589-595.

Natural and eco-friendly apparel made from handloom fabrics, *International Conference "Emerging Trends in Traditional and Technical Textiles"* Department of Textile Technology, Dr. B R Ambedkar National Institute of Technology, Jalandhar, 11-12 April, 2014, pp 368=372, ISBN: 978-93-5156-700-4.

Printing of silk fabric with natural dye, *2nd National Conference on Emerging Trends in Textile, Fibre and Apparel Engineering*, Organised by Department of Textile Technology, Government College of Engineering and Textile Technology, Berhampore, West Bengal, 21st – 22nd December, (2013), pp171- 174, Proceedings ISBN 978 – 1- 63068-205-7.

Eco-friendly printing with vegetable colour, *Book of Papers and Conference Proceedings ISBN No. 978-93-5216-892-5 "International Conference on Environment and its impact on society, J D Birla Institute, Kolkata 18th – 20th August, (2013), pp 114 – 119.*

Eco-green batik with Indigo, *Book of Papers and Conference Proceedings ISBN No. 978-93-5216-892-5 "International Conference on Environment and its impact on society, J D Birla Institute, Kolkata 18th – 20th August, (2013), pp 110-113*

Value addition of traditional handloom cotton fabric, *Book of Papers and Conference Proceedings* ISBN No. 978-93-5216-892-5 “International Conference on Environment and its impact on society, J D Birla Institute, Kolkata 18th – 20th August, (2013), pp 173-176.

Dyeing of jute with colouring matter obtained from mahogany leaves, *Asian Dyer*, 10 (4), 2013, pp 45 – 47.

CdO and CdS nanoparticles from pyrolytic method: Preparation, characterization and photocatalytic activity, *Indian Journal of Chemistry*, 51A, June (2012), pp 807 – 811.

Studies on Kinetic and Thermodynamic Parameters of Natural Dye Extracted from *Punica granatum* on Protein Fibres, *Proceedings of International Conference on “Textile & Fashion” at Bangkok, Thailand 3 – 4, July, 2012*, pp (ISBN 978-974-625-563-9).

An innovative approach towards tie-dye technique, *Asian Dyer*, 9(2), 2012, pp 42-45 ISSN No. 0972-9488.

Dyeing of wool and silk with *Madhuca Indica*, *Asian Dyer*, 9(5), (2012), pp 41-47, ISSN No. 0972-9488.

Modification of cotton fabric with acrylamide in presence of $K_2S_2O_8$ for improving dyeability of natural dyes, *Journal of Textile Institute*, 102 (2), (2011), pp 131-139, ISSN No. 0040-5000.

Concurrent dyeing and finishing of cotton with natural colour and citric acid in presence of NaH_2PO_4 as catalyst under thermal treatment, *Journal of Textile Institute*, 102 (6), 2011, pp 491-499. ISSN No. 0040-5000.

Printing of jute with vegetable colour – An approach towards diversification, *Asian Dyer*, 8 (2), 2011, pp 48-51. ISSN No. 0972-9488.

Printing of cotton fabric with pigment colour, *Asian Dyer*, 8(4), 2011, pp 52-58. ISSN No. 0972-9488.

Printing of handloom cotton fabric with natural colour, *Asian Dyer*, 7(2), (2010), pp 49-54, ISSN No. 0972-9488.

Application of foam in textile wet processing, *Asian Textile Journal*, 19(6), 2010, pp 69-72, ISSN No.0972-9488.

Mrinal Kanti Sarkar

Value addition of traditional handloom cotton fabric, *Book of Papers and Conference Proceedings* ISBN No. 978-93-5216-892-5

“International Conference on Environment and its impact on society, J D Birla Institute, Kolkata 18th – 20th August, (2013), pp 173-176.

Vishal C Bhand

Design Education in India to Enliven Traditional Art and Craft,
University News, Association of Indian Universities, N. Delhi, Vol.
 50, No. 09, 2012, ISSN-0566 2257

b) **Monographs:** Nil

c) **Chapters in Books:**

Dr. Padmini Balaram –

- i) Balaram, P. (2012). Indian Indigo. In A. Feeser, M. D. Goggin, & B. F. Tobin (Eds.), *The Materiality of Color: The Production, Circulation, and Application of Dyes and Pigments, 1400–1800* (pp. 139-154). Farnham: Ashgate.
- ii) Balaram, P. T. (2012). Toda Embroidery. In P. Hockings. (Ed.), *Encyclopedia of Nilgiri Hills* (pp. 916-919). New Delhi: Manohar Publication.

Vishal C Bhand –

- i) Education and Rural Development (Tagore’s Sriniketan Experiment), Quality Teacher Education in India, Bharati Publications, Delhi. ISBN-9789 3812 1210 3
- ii) Time, Space and Education, Issues and Challenges on Higher Education, Wordsworth, India. ISBN- 9788 1925 4197 6

Prof. Rajkumar Konar –

- i) Wrote an article entitled “Santiniketan Silpabodh o Silpi-Designer Rathindranath” (Page no 47-54) in the book entitled “Rathindranath Tagore The Unsung Hero” Edited by Tapati Mukhopadhyay & Amrit Sen; published in June 2013 by Santiniketan Press, Visva-Bharati, ISBN No. 978-81-7522-573-2

d) **Edited Books:** Nil

e) **Books with ISBN with details of publishers:**

Dr. Padmini Balaram –

- i) Balaram, P. T., Balaram S., & Sarkar I. (2008). *Cotton*. Auroville: Upasana.

c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**

- d) **Citation Index — range / average:**
- e) **SNIP:**
- f) **SIR:**
- g) **Impact Factor — range / average:**
- h) **h-index:**
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:**
 - a) Textiles products designing,
 - b) Furniture designing & production, Ceramics & Pottery
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
 - a) **Dr. Padmini Balaram –**
Invited for Delivering Lectures at International Conferences /Workshops / Seminars:
 - i) **Natural Dyes for Healthy Living**, Heat 2010, Coimbatore, 2010
 - ii) **Swastika in the East and the West**, Seminar on Arts and Design: Integration of the East and the West, Ubon Ratchani University, Thailand, 2011
 - iii) **Eco-Fashions: Traditional & Contemporary**, International Seminar, NIFTEA Tiruppur, 2011.
 - iv) **Spread of Cotton from India to China to Japan** at International conference on Archeology by SOASS and Dept. of Archeology, Govt. of Chattisgarh at Raipur, February 2014.
 - v) **Natural Dyes in Fashion and Textiles**, at Sutra an International Conference on Natural Dyes, Kolkata, February 2014.
 - vi) **A Comparative Study of Asian Indigo and a Few Embellishment Techniques used for Designing**, in India, China, Korea and Japan at IWND 2014 International Workshop on Natural Dyes, Acharya N. G. Ranga Agricultural University, Hyderabad, 5th-7th March 2014.**Selected to Read Papers at International Conferences:**
 - vii) **Natural Dyes: Tradition to Contemporary** at 2013 MFAEN meeting, Kansas, USA, 15-16 November 2013 by Fiber Department at Kansas City Art Institute, Kansas, USA
 - viii) **Spread of Cotton from India to China to Japan** at International Conference on Archeology, organized by SOASS and Dept. of Archeology, Govt. of Chattisgarh, at Raipur, February 2014**Invited for Delivering Lectures at National Conferences / Workshops / Seminars:**

- ix) **‘Design and Development of Eco-sensitive products’**, Key-note Speaker, National Seminar at Mount Carmel College, Bangalore, February 2012.
- x) **‘Development of Design and Use of Colours’**, Cluster development workshop, organized by office of the Development Commissioner of Handicrafts, Salem, February, 2012

Invited by International Universities and Organisations for Delivering Lectures:

- xi) **Research and Beyond**, as a part of course to Graduate students of Textiles, Merchandising and Fashion at **University of Nebraska-Lincoln**, on October 7th 2013.
- xii) **Textiles for Interiors**, at **Morgan State University**, Baltimore, Maryland, on October 29 2013. (OLF Fund granted for this upcoming lecture at a minority institute.)
- xiii) **Movement of Swastika from India to China, Korea and Japan**, at **University of Texas**, Austin, November. 18-19, 2013
- xiv) **Movement of Swastika and Lotus between India, China, Japan and Korea**, as a part of the course INDS 3715 **Cloth and Culture: A Global Perspective** at **Woodbury University in Burbank, California**. November 25 2013
- xv) **Confluence of Culture: Blue World of Asian Indigo** at Palo Alto Art Center, Palo Alto, California. On **November 26th 2013**. Organised by SACHI, Palo Art Gallery and Textile Society of America
- xvi) **Indigo and Resist Techniques of India**, at **California College of Arts (CCA), Oakland, California** on **December 3rd 2013** () (This is also a minority college)
- xvii) **Ajarakh Printing and Kalamkari Paitning**, at International Quilt Study Centre and Museum, Lincoln, NE, on **December 6th 2013**
- xviii) **Eco-Friendly Dyes and Textiles of Dr. Padmini Balaram**, at University of Nebraska Lincoln, **December 6th 2013**.
- xix) **Wancho Naga and Their Medals of Bravery at Santa Fe Weaving Gallery**, Santa Fe, possibly on **December 10th** or in 2nd week of December 2013

Invited by International University to Conduct Workshop:

- xx) **Surface Design workshop** at **University of Texas, Austin, USA**, 25 October 2013.

Invited/Selected to Attend International Conferences:

- xxi) Fulbright Fellow Orientation Conference, Kolkata organized by United States-India Educational Foundation, New Delhi, India, May 2013
- xxii) Global Education, University of Nebraska-Lincoln, USA, organized by University of Nebraska-Lincoln, USA, 28 Sept. 2014
- xxiii) Fulbright Fellow Conference at Tulsa, USA, 23-26 October 2013

xxiv) Fulbright Fellow Conference at New Orleans, 20-23 November 2013

Invited for Solo Exhibition of My Work in USA: 2:

xxv) Exhibition of 'Eco-Friendly Textile Paintings and Wall-Hangings, 11-15 November 2013, at Rotunda Gallery, University of Nebraska-Lincoln City Campus, Lincoln, USA organized by University of Nebraska Lincoln, USA

xxvi) Exhibition of 'Innovative Natural Dyed Textiles' 26 November 2013, at Palo Alto, California, USA, organized by SACHI (Society for Arts and Culture Heritage of India), California, USA

Invited to Honour and Speak about:

xxvii) Yellappa, the Master Craftsman/the Master Indigo Dyer, Exhibition of indigo dyed textiles at Dastakar, 7th June 2014 organised by Dastakar Andhra

b) Sumitabha Pal –

i) Thai-Indian Artist Workshop, under Thai-India Art and Cultural Exchange Program 2009, at Slipakorn University, Bangkok, Thailand, from 6th – 13th Sept. 2009.

ii) Bangladesh-Indian Artist Workshop & Seminar, under Bangladesh-India Art and Cultural Exchange Program 2011, on 150th Birth Anniversary of Gurudev Rabindranath Thakur, at Faculty of Fine Arts, Dhaka University, Dhaka, Bangladesh from 22nd to 30th January 2011.

C) Prof. Rajkumar Konar –

i) Prof. Rajkumar Konar was selected internationally to present a Research paper entitled "Infusing Culture in a Creative & Economic Endeavour" on 18th November, 2011, in the 2-day International Symposium & Conference "International Perspectives in Art & Design: Translating Culture" at Leeds College of Art, Leeds LS29AQ; UK. Also visited six reputed Design Institutions in UK, Paris and Geneva and interacted with their faculties & Students during the 3-week trip.

26. Faculty serving in

a) National committees:

b) International committees:

c) Editorial Boards:

d) Any other (please specify):

Editorial Board

Dr. Arabinda Mondal, Asstt. Professor has been serving as Associate Editor of 'Journal of AIPMA (Indoceram)'.

Expert Committee Member

Dr. Sankar Roy Moulik has been acting as a member of Expert Committee in "Bachelor of Fashion & Apparel Design", Rani Birla Girls' College, University of Calcutta

Member of Institution of Engineers (India)

- i) *Dr. Sankar Roy Moulik, Asstt. Professor, Membership no. M-131577-8.*
- ii) *Dr. Prabir Kumar Choudhuri, Asstt. Professor, Membership no. M 140516-5.*
- iii) *Dr. Asish Mitra, Asstt. Professor, Membership no.M-139291-8*

Fellow member of International Science Congress Association (ISCA)

- i) *Dr. Prabir Kumar Choudhuri, Asstt. Professor, Membership no. ISCA-FM-213.*

Patron Member of The Textile Association

- i) *Dr. Sankar Roy Moulik, Asstt. Professor, Membership no. WB/PM/1297.*
- ii) *Dr. Prabir Kumar Choudhuri, Asstt. Professor, Membership no. WB/PM/1356.*
- iii) *Dr. Asish Mitra, Asstt. Professor, Membership no. WB/PM/1357*

Member of Forum of Scientists, Engineers & Technologists (FOSET)

- i) *Dr. Sankar Roy Moulik, Asstt. Professor, Membership no. LM 2005-1538-BDL.*
- ii) *Dr. Asish Mitra, Asstt. Professor, Membership no. LM 2005-1539-HLY.*

Member of Indian Society of Technical Education

- i) *Dr. Prabir Kumar Choudhuri, Asstt. Professor, Membership no. LM 47576*

Member of Indian Ceramics Society

- i) *Dr. Arabinda Mondal, Asstt. Professor, Membership no. EL-512*

Member of Indian Institute of Ceramics

- i) *Dr. Arabinda Mondal, Asstt. Professor, Membership no. IC-2009/1023/M*

Member of The Indian Natural Fibre Society

- i) *Dr. Sankar Roy Moulik, Asstt. Professor, Membership no. TINFS/C-67*
- ii) *Dr. Prabir Kumar Choudhuri, Asstt. Professor, Membership no. TINFS/C-70*
- iii) *Dr. Asish Mitra, Asstt. Professor, Membership no. TINFS/LM 130/0214*

Prof. Rajkumar Konar

- a)
 - i) Governing council member of Cluster Coordination Committee of Entrepreneurship Development Institute of India, Ahmedabad
 - ii) Leather Goods Cluster, Santiniketan, MSME, Govt. of India
 - iii) Santiniketan Leather goods manufacturing Associations
 - iv) SIDI (Society of Industrial Designers, India);
- b) Advisor
 - i) Confetti, India Pvt. Ltd., Daranda.;
 - ii) State Initiated Design Centre, Geetanjali Cultural Complex,

- Santiniketan;
- iii) SSDA, Santiniketan
- c) Member of Intach, Santiniketan Chapter.
- d) Life Member of the following professional bodies:
- i) Council of Architecture; New Delhi
- ii) India Design Association, India
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
Average 10% Faculties per year are generally sent for undergoing refresher, short term training program, orientation program, workshop etc. sponsored by UGC at ASC or other reputed organizations.
28. **Student projects:**
- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil
29. **Awards / recognitions received at the national and international level by**
- a) **Faculty:**
- Sri Naba Kumar Majhi –**
- i) Received “Pandit Raghunath Murmu Memorial award – 2009” in the field of Art & Craft from Govt. of West Bengal.
- Dr. Prabir Kumar Choudhuri –**
- ii) Received International award for best paper presentation in the 3 rd. International Science Congress held at Karunya University, Coimbatore, India, organized by the International Science Congress Association in Dec. 2013.
- Dr. Padmini Balaram –**
- i) Award for the Indigenous Research Paper and Oral Presentation on *Swastika in the East and West*, Ubon Ratchathani University, Thailand, 2011.
- ii) **Occasional Lecturer Fund (OLF) Award** for Fulbright Scholars to deliver invited lecture at Morgan State University, USA. Awarded by CIEF, October 2013
- iii) **International Fellowship for Research: NTICVA 2014-15 Small Study Research Grant** to research on ‘Direct and Indirect Influences of

Indian Chintz Textiles on *Wa Sarasa* of Japan'. Awarded by NTICVA (Nehru Trust for the Indian Collection at Victoria and Albert Museum, UK. April 2014-March 2015

- iv) **International Fellowship for Teaching in USA: Fulbright-Nehru Visiting Lecturer Fellowship** to teach **Colours and Natural Dyes of India: Their use in Textiles and Surface Design** at **University of Nebraska Lincoln in USA**, 2013. Awarded by United States India Education Foundation. Fall Semester 2013:19 August – 18 December 2013

- v) **International Fellowship for Global Educational Partnership, USA** from Reach the world, USA, October-December 2013

b) **Doctoral / post doctoral fellows:** Nil

c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) National Seminar & Workshop on “Vegetable dye and its application on textiles” was organized during December 2-4, 2011 involving 200 participants from industry, academia and entrepreneur etc. 33 research papers were presented. Book of abstract & e. book were published. Fund was available from the University.
- b) National Workshop on “Eco-friendly printing with natural dyes” was organized during December 8-9, 2012 involving 99 participants belonging to designer, craftsmen, handloom dyers, students, teachers etc. Fund was available from the University.
- c) Workshop on Dyeing and Printing, Pottery & Ceramic, Leather Work and Woodwork for five days i.e. from 26th to 30th August 2013 for the trainees from Upendra Maharathi Shilp Anusandhan Sansthan, Patna at Silpa-Sadana.
- d) Workshop on Block Printing, Bamboo & Cane, Pottery and Paper-massy as resource person for five days i.e. from 9th to 14th September, 2013 for the trainees from Upendra Maharathi Shilp Anusandhan Sansthan, Patna at Silpa-Sadana.

31. Code of ethics for research followed by the departments:

Follows University and UGC codes.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-------------------------------------|--------|
| | | Male | Female | Male | Female |
| 4-year B.Des, 13-14 | 174 | 23 | 11 | First batch is yet to be passed out | |
| 4-year B.Des, 12-13 | 137 | 28 | 11 | | |
| 4-year B.Des, 11-12 | 91 | 23 | 11 | | |
| 4-year B.Des, 10-11 | 121 | 23 | 06 | | |
| 2-yr.Certificate Courses 13-14 | 43 | 24 | 7 | Results not yet announced | |
| 12-13 | 49 | 24 | 4 | | |
| 11-12 | 35 | 26 | 5 | 5 | 1 |
| 10-11 | 26 | 16 | 7 | 11 | 7 |
| | | | | | |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/B oard | % of students from other Universities /Board outside the state | % of students from other Countries |
|---|---|--|--|------------------------------------|
| 4-year B.Des, 13-14 | 5.88 | 76.47 | 17.64 | 2.94 |
| 4-year B.Des, 12-13 | Nil | 89.74 | 2.56 | 7.69 |
| 4-year B.Des, 11-12 | 5.88 | 88.23 | 5.88 | Nil |
| 4-year B.Des, 10-11 | 6.89 | 93.10 | Nil | Nil |
| 2-yr.Certificate Courses 13-14 | Nil | 100 | Nil | Nil |
| 12-13 | Nil | 100 | Nil | Nil |
| 11-12 | Nil | 100 | Nil | Nil |
| 10-11 | Nil | 100 | Nil | Nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Not applicable

35. Student progression:

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | 40% |
| from other universities within the State | 30% |
| from universities from other States | 25% |
| from universities outside the country | 0.5% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 03 |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** One library in the Bhavana
- Internet facilities for staff and students:** Internet facilities for staffs are available.
- Total number of class rooms:** 10

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university:** Nil
- from other institutions/ universities :** Nil

40. Number of post graduate students getting financial assistance from the

university: N.A

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Prior to starting a degree programme in Bachelor in Design Course, the dept. had a “Special Reform Committee (SRC) meeting for reorganization & rejuvenation of Silpa-Sadana (SS)” as per recommendation of High Level Committee (HLC) constituted by the President of India, in his capacity as Visitor of the University. The two-day meeting was held under the Chairmanship of the Vice chancellor, Visva-Bharati. The members present were:

- a) Mr. Rajeev Sethi, Chairman, Asian Heritage Foundation, New Delhi
- b) Prof. A. G. Rao, Emeritus Professor, IIT Bombay, Mumbai
- c) Prof. Jogen Chowdhury, Ratan Palli, Santiniketan
- d) Mr. Subrata Bhounik, Textile Designer, 31 Shyamal Row House, Ahmedabad-15
- e) Prof. Prabir Dasgupta, Desiner, Guru Palli, Santiniketan
- f) Dr. Avinash Mathur, Scientist, NISTAD, Pusa Gate, New Delhi
- g) Mr. Subir Chakraborti, CEO, Development Consultant Pvt. Ltd., Kolkata
- h) V. C. Bhand Reader in Design , Silpa-Sadana
- i) R K Konar, Prof. of Design & HOD, Silpa-Sadana

The suggestions made by the committee were taken as guide line for the development of the said course.

42. Does the department obtain feedback from

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, through departmental faculty meeting and Board of Studies meeting.
- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, through student-faculty meeting held on different issues and in regular basis.
- c) **alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, through Interactive discussions with passed out students.

43. List the distinguished alumni of the department (maximum 10):

| Name of the alumni | Where engaged | Designation | Year of passing |
|------------------------|---|--|-----------------|
| Sambaditya Raj | Banasthali University, Faculty of Textile Design | Asst. Professor | 1999 |
| Abhishek Singh | Vardhman Textiles Mills, Baddi, H.P | Executive (Production) | 2003 |
| Abdur Rahaman | National Handloom Development Corporation. | Senior Officer (Commercial) | 2003 |
| Palash Pal | Dept. of Handloom & Textiles, Govt. of West Bengal | Handloom Development Officer | 2004 |
| Subash Chandra Pradhan | Autoliv Indian Pvt. Ltd, Mysore, Karnataka | Senior Executive (Automotive Textiles) | 2005 |
| Lina Bhowmik | Apparel Training and Design Centre under Apparel Export Promotion Council (GOI) | Lecturer | 2006 |
| Radhasundar Ghosh | Dighri High School, Kankuria, Dhulian, Murshidabad | Asst. Teacher (Work education) | 2002 |
| Sahin Ali | Overseas Sales & Marketing at Krosaki Harima Corporation, Japan | Engineer | 2001 |
| Mrinmoy Adhikari | Central Glass & Ceramic Research Institute, CSIR, GOI | Technical Assistant | 2004 |

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

| Name of the Programme | Held on |
|---|--------------------|
| Workshop on Silk degumming & Dyeing of silk and cotton yarn with natural dyes | Feb. 26-28,2009 |
| Workshop on Bleaching of Jute and dyeing with natural dyes | Jan. 2-4,2009 |
| Workshop on New Textile Printing Methodologies | Feb. 3-4,2011 |
| Workshop on Dyeing & Printing | Aug. 26-30,2013 |
| Block Printing | Sept. 9-14, 2013 |
| Workshop on Cane and Bamboo Works | Sept. 11-14, 2013 |
| Workshop on Metal works | Feb. 15-20, 2013 |
| Workshop on Cane and Bamboo Crafts | Jan. 31-Feb.5,2013 |

45. List the teaching methods adopted by the faculty for different programmes:
a) Class Room teaching

- b) With audio-visual aid
- c) Off campus learning through Industrial exposure.
- d) Internship in various government and non-government agencies.
- e) Conducting Projects and evaluation.
- f) Group Discussion and class room seminar
- g) Computer training (In our curriculum)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- a) Regular Student-Teacher meeting and discussions
- b) Continuous internal assessment
- c) Semester based Final examination system

47. Highlight the participation of students and faculty in extension activities:

The dept. is having a wing of extension activities where faculties use to look after the related works including design development. The students are actively involved in the said program. Students' practical works (in the form of their project works) are tried to introduce in real production activities.

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Teachers are engaged in research activities and conducting projects (mentioned earlier).
- b) Lectures /Chairing sessions/participations/visiting faculties in other Institution and National program.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department of Silpa-Sadana (formerly known as Silpa Bhavana) has been playing a vital role to carry forward the dream of Gurudeva Rabindranath Tagore of acquiring the economic self-sufficiency to the underprivileged rural community of India for decades. Rathindranath Tagore has given the shape of Gurudeva's vision through establishing Cottage Industries training Centre (now known as Silpa-Sadana). It is the craft wing of Visva-Bharati and one of the oldest Technical Institution of India. Silpa-Sadana has a long tradition in the production of innovative & artistic handloom and handcrafted products and well known for its Technical training and exquisite craft based products in cottage industries & craft since its inception. It was set-up in 1922 as an integral part of Gurudeva's Sriniketan experiment of rural reconstruction.

It had taken a leadership role in reviving and revitalizing the rural industries and craft

sector for sustainable economic regeneration of the villages through its different academic programmes. It occupies a unique position among the technical institutions in having been able to revitalize the decadent cottage industries by those artistic and creative impulses which underline the principle of 'Functional beauty', the foundation of all indigenous hand crafted articles. It had reoriented and reengineered this sector by introducing innovation in technique, technology, aesthetics & design through better craftsmanship, new skill, new design, new trade, better techniques & upgrading methods of production and infusing design elements from other culture. The efforts directed towards this direction gradually spread not only in the surrounding villages but also throughout the country. Thus a professional attitude at Silpa-Sadana has gradually evolved through the decades coupled with aesthetic finesse. Its linkage with the villages surrounding the university provided stimulus to such entrepreneurial activities.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) Need based Course curriculum
- ii) Experienced & qualified faculties
- iii) Hands on training facilities
- iv) Intimate teacher-student relationship
- v) Infrastructural facilities

b) Weaknesses –

- i) Absence of Institute-Industry partnership
- ii) Not having the Masters programs
- iii) Inadequate facilities like inter-net, transport for the students
- iv) Long distance from Metropolitan city
- v) Diversity in economic conditions among students

c) Opportunities –

- i) Scope of transferring knowledge to the rural community of nearby villages
- ii) Pollution free & homely environment.
- iii) Wider spaces for extension
- iv) Administrative simplicity
- v) Cordial relationship among students, staffs & faculties

d) Challenges of the Department –

- i) Keeping pace with the changing scenario in educational systems
- ii) Combating the changing human culture
- iii) Creating need based facilities for the students
- iv) Cost control, effectiveness and viability.

52. Future plans of the department:

- a) To start P.G. program
- b) To initiate research programme leading to Ph.D.
- c) To take initiatives in multidisciplinary research
- d) To strengthen the ongoing extension activities.

Evaluative Report of the Department of Social Work

1. **Name of the Department :** Social Work
2. **Year of establishment :** 1963
3. **Is the Department part of a School/Faculty of the university?** Yes, Palli Samgathana Vibhaga, (Institute of Rural Reconstruction).
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) UG – Bachelor of Social Work (Hons) (BSW Hons.)
 - b) PG – Master of Social work (MSW)
 - c) Ph.D in Social Work
5. **Interdisciplinary programmes and departments involved:**

| Programmes | Departments |
|--------------------------------|-------------------------------------|
| Tagore Studies | Rabindra Bhavana |
| English | Department of English |
| Environmental Studies | Department of Environmental Studies |
| Agriculture & Animal Husbandry | Institute of Agriculture |
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** University of Illinois, Urbana Champaign, & Dominican University, Chicago, USA in connection with internship of students.
7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System:** Semester System.
9. **Participation of the department in the courses offered by other departments:** Sociology is taught by a faculty member in Palli Charcha Kendra.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 1 | 1 | 5(4-CAS,1-MPS) |
| Associate Professors | 3 | 3 | 3 (2-CAS, 1-MPS) |
| Asst. Professors | 13 | 13 | 9 |
| Others | — | — | — |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Kumkum Bhattacharya
Qualification : MA (Psychology), Ph.D.
Designation : Professor
Specialization : Culture-Personality
No. of Years of Experience : 33
No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- b) **Name** : Prasanta Kumar Ghosh
Qualification : MSW, Ph.D.
Designation : Professor
Specialization : HRD, HRM, HIV/AIDS
No. of Years of Experience : 25
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- c) **Name** : Asok Kumar Sarkar
Qualification : MA (Social Wok), M Phil, Ph.D.
Designation : Professor
Specialization : Medical and Psychiatric Social Work/ NPOs & Development
No. of Years of Experience : 16
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- d) **Name** : Manju Mohan Mukherjee
Qualification : MSW, Ph.D.
Designation : Professor
Specialization : Health & Mental Health
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students

- guided for the last 4 years : None
- e) **Name** : Debotosh Sinha
Qualification : MA (Social Work), M.Phil., Ph.D.
Designation : Professor
Specialization : Family & Child Welfare; Occupational Social Work
No. of Years of Experience : 19
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- f) **Name** : Sanjoy Roy
Qualification : MA (Social Work), M. Phil, Ph.D.
Designation : Associate Professor
Specialization : Community Development/ Administration/ Weaker Section
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- g) **Name** : Swapan Hazra
Qualification : MA (Social Work), L.L.B
Designation : Associate Professor
Specialization : HRD; Welfare Administration; Social Group Work
No. of Years of Experience : 23
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- h) **Name** : Paromita Roy
Qualification : M.Sc (Economics)
Designation : Associate Professor
Specialization : Development Economics, Social Development, Social Research
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Ram Prasad Das
Qualification : MA (Social Work); M.Phil
Designation : Assistant Professor
Specialization : Crime & Correctional Administration

- No. of Years of Experience** : 19
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- j) Name** : Joseph Varghese
Qualification : MA (Social Work), M. Phil
Designation : Assistant Professor
Specialization : Community Development
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- k) Name** : Sukumar Pal
Qualification : MA (Social Work), Ph.D.
Designation : Assistant Professor
Specialization : Weaker Sections, Social Defence and Correction, Group work, Citizenship & Governance
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- l) Name** : Neelmani Jaysawal
Qualification : MA (Social Work)
Designation : Assistant Professor
Specialization : Community Organization, Development Practice
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- m) Name** : Sudeshna Saha
Qualification : MSW, PGDHRM & PGDBM
Designation : Assistant Professor
Specialization : Industrial Social Work/CSR
No. of Years of Experience : 05
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- n) Name** : Subhashree Sanyal
Qualification : MA (Social Work)

- Designation** : Assistant Professor
Specialization : Medical & Psychiatric Social Work/Management of NGOs
No. of Years of Experience : 04
No. of Ph.D./M.Phil. students guided for the last 4 years : None
- o) Name** : Sashmita Patel
Qualification : MSW, M.Phil
Designation : Assistant Professor
Specialization : URCD/Women Empowerment
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : None

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof. P. R. Balgopal
 Emeritus Professor & Fulbright Senior Specialist,
 School of Social Work, University of Illinois,
 Urbana Champaign, USA.
- b) Prof. Barry Ackerson,
 School of Social Work, University of Illinois,
 Urbana Champaign, USA.
- c) Dr. Sunny Sinha,
 Assistant Professor in Social Work,
 Liberal Arts Centre, Room 81Q,
 University of Marrywood, USA.

13. Percentage of classes taken by temporary faculty — programme-wise: NA

14. Programme-wise Student Teacher Ratio:

- a) BSW – 8:1
 b) MSW – 5:1
 c) Ph.D – 3:1 (Effective & existing)

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| Support Staff | Sanctioned | Filled | Actual |
|------------------------|------------|--------|--------|
| Academic Support Staff | 4 | 3 | 3 |
| Technical Staff | 1 | 0 | 0 |
| Administrative Staff | 5 | 4 | 4 |

16. Research thrust areas as recognized by major funding agencies:

- a) HIV/AIDS
- b) Rural Development

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

1 faculty received Grant for the Current Ongoing GFATM Round 7 Project

Brief Description of the Project

Name of the Funding Agency-Global Trust Fund

Project Title-Global Fund to Fight against TB, Malaria and AIDS Round 7

Grants Received-Rs 93, 85,893/-

The Department of Social Work, Visva-Bharati is working as sub recipient of Global Fund to Fight AIDS, Tuberculosis and Malaria, Round-7 project to enhance the capacity in counseling among the counselors. The Department of Social Work organizes several trainings i.e. ICTC, CCC, ART, STI as per NACO guideline.

As per training module, the counselors participated in interactive classroom lectures, group activities, role play, game based learning etc. The participants and resource persons of the program maintained their appropriate time every day in the valuable sessions. The resource persons for the training program were master trainers as well as professionals from different departments in the educational, health and development sectors. A lot of resource persons from NRHM & WBSACS kept their involvement in the training program.

We have conducted covered although 18 training programs during the project period. A list of that has been given below where several types of training are there.

18. Inter-institutional collaborative projects and associated grants**a) National collaboration:**

National collaboration: National Institute of Orthopedically Handicapped (NIOH), Kolkata and our Department are working collaboratively. We extend our help through faculty members to run their PGDDRM course. They organize camp in our Department to identify disabled persons in Bolpur locality and to distribute aids and appliances. Directly we are not involved in receiving any kind of grants.

b) international collaboration:

International collaboration: School of Social Work, University of Illinois is collaborating with us for field work (at international level) of their students in India.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

Department is running GFATM Round 7 Project as details are given above.

20. Research facility / centre with

a) state recognition : N.A

b) national recognition: N.A

c) international recognition: NA

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications:

a) No. of papers published in peer reviewed journals:

Publications during last four years (2009-2013):

Prof. Kumkum Bhattacharya

Books: (two)

- i) *Celebrating Freedom: the Santal way of life*, edited by Boro Baski and Kumkum Bhattacharya, Ghosaldanga Adibasi Seva Sangha.
- ii) Rabindranath Tagore: Adventure of Ideas and Innovative Practices in Education published by Springer in December 2013.

Chapters in books: (six)

- i) 2009 “Under a banyan tree” in *Beyond Degrees* edited by Ira Pande, IIC, New Delhi and Harper Collins.
- ii) 2010 Invited to write the entry on Rabindranath Tagore for the *ACPI Encyclopedia of Philosophy* in two volumes edited by Johnson J. Puthenpurackal, Bangalore, Asian Trading Corporation.
- iii) 2012 “Utopias in Praxis: Rabindranath’s Rural Reconstruction” in *Utopias from Asia (An international and interdisciplinary symposium in Santiniketan on the occasion of the 150th birthday anniversary of Rabindranath Tagore* edited by Konrad Meisig, Germany, Harrassowitz Verlag, Weisbaden.
- iv) 2013 “Syllabus for Social Work in the North-East: Some Reflections” in Sukhdeba Sharma Hanjabam, Ahibam Koirang Singh and Grace Laltlinzo (eds.) *Social Work Towards Meeting the Challenges of Global and Local*, New Delhi, Essential Books pp. 47-54.
- v) 2013 “Understanding and negotiating issues of ethics in the application of knowledge”, in Konrad Meisig (ed.) *Techno-Ethics: Humanities and Technology, Papers of an International and Interdisciplinary Symposium*

in Mainz and Hanoi, an Asian Impact Activity in Memoriam of Momoyo Okura, Germany, Harrassowitz Verlag. Pp. 61-69.

- vi) 2013 “Encroachment: Food (in)Security and the Jarawas” jointly with Ranjit Kumar Bhattacharya in Debabrata Das Gupta (ed.) *Food and Environmental Security: Imperatives of indigenous knowledge systems*, Jodhpur, Agrobios (India); pp. 99-103.

Articles in Journals: (four)

- i) 2009 “Under a banyan tree” in *Beyond Degrees* edited by Ira Pande, IIC, New Delhi and Harper Collins.
- ii) 2010 “Sustainable Development and Spirituality” in *Sustainability Tomorrow*, Vol 5, Issue 1; January-March 2010, CII-ITC Centre of Excellence for Sustainable Development, New Delhi.
- iii) 2010; “Sustainable Development and Spirituality” in *Journal of Social Work & Social Development*, Vol.1 No.1; June 2010, Department of Social Work, Visva-Bharati.
- iv) 2011 “Jivan Devata: Quest for Interpretations” in *Journal of Indian Council of Philosophical Research*, Special Issue on Rabindranath Tagore, Volume XXVIII, Number 1, 155-164, January-March 2011.

Prof. P. K. Ghosh

Chapters in book (four)

- i) CORPORATE Social Responsibility or Responsiveness –A Journey from Corporate Philanthropy to Corporate RESPONSIBILITY, Reading materials for MSW students published by IGNOU, New Delhi, 2010.
- ii) Non-Profit Donor Agency: Reading materials for MSW students published by IGNOU, New Delhi, 2011.
- iii) Philosophy and Development of Social Work in India, Encyclopaedia of Social Work in India, 2012.
- iv) Strength Based Social Work Practice –sustainable rural development in India, Social Work and Strength Based Practice (2012) published by Brisbane Institute of Strength Based Practice, James Cook University, Australia.

Prof. Asok Kumar Sarkar

Articles in Journal (four)

- i) ‘Extent, Causes and Consequences of Spousal Violence: A Study of Bengali Married Women in Bolpur Sub-Division, West Bengal,’ *Journal of Social Work and Social Development*, Vol-1, No -1, 2010.

- ii) 'Methods and Techniques Oriented Field Work Training in Social Work,' Learning Community, Vol-2, No-3, 2011.
- iii) 'Challenges Faced by Children of Migrated Parents and Right to Education: A Case Study' (co-author), *Right to Education: Issues and Challenges*, Pragma Publications: Hyderabad, 2014.
- iv) 'Right to Health in Development Parlane: An Emerging Demand', *South Asia Politics*, Vol-13, No-1, 2014

Chapters in Book (two)

- i) 'Theories and Models in Social Group Work', MSW-008, Block-2, Indira Gandhi National Open University (IGNOU): New Delhi, 2009.
- ii) 'International Institutions and Globalization', in Surendra Singh's (ed), *Encyclopaedia of Social Work in India*, New Royal Book Company: Lucknow, 2012.

Prof. Manjumohan Mukherjee

Publications (English) (five)

- i) Female Foeticide, Social Work Foot- Prints (Samaj Karyada Hejjegalu), Bangalore, December 2012. Volume III, Issue-I, Page 30-33.
- ii) Sustainable Development and global Warming, Social Work Journal, Department of Social Work, Assam University, Silchar, Assam, Volume 2, Number 1, June 2011.
- iii) God and Religion – 2 Satyagraha, Swaraj and The Constructive Programme, The Statesman, Kolkata, 2nd February 2010
- iv) God and Religion - 1 Gandhi's Philosophy of Secularism and Non-Violence, The Statesman, Kolkata, 1st February 2010.
- v) Death of the Unborn: Foeticide and Missing Girl Child, The Statesman Kolkata, 14 April, 2009.

Books (two)

- i) Human Trafficking, Rights of Migrant Workers and Their Education (2012) Edited by Manju Mohan Mukherjee, V. Parameswaran, S.K. Roy Published by ATLANTIC Publishers & Distributors (P) Ltd. 7/22, Ansari Road, Darya Ganj, New Delhi-110002, E-mail: orders@atlanticbooks.com
- ii) **An Overview of Social Work Practice (2011)**, Manjumohan Mukherjee and Renee Beaton The Associated : B-43, Vita Colony, P.O. Dhulkot, Ambala city 134003

Prof. Debotosh Sinha**Books : (two)**

- i) **Child Welfare and Rights- Problems and Prospects**; El Alma Publications, **Kolkata**, 2010
- ii) **Social Welfare & Social Work-Selected Essays**; Concept Publishing Company Pvt. Ltd, **New Delhi**, 2012.

Articles in Journals: (six)

- i) “Tagore and Rural Reconstruction-A Synergy and Implications for Modern Social Work Practice”; **Muse India the literary ejournal**; <http://www.museindia.com/>
- ii) “Adult Oncology: Implications for Social Work practice with Cancer Patient”; **Journal of Social Work and Social Development (ISSN 2229-6468)**; Vol. 01, No 02, December, 2010
- iii) D.Sinha-Rabindranather Sriniketan Samaj Karmar ek Abhinava sanga
- iv) Arthaniti, Samajniti: Rabindra chinter Abhimuk (Edited by Sevan Jana) Dey publication, 2014, Kolkata
- v) Chapter on “Disaster and Disaster Aid-Conceptual paradigm and implications for social work intervention with special reference to Indian Scenario” in Governance, Development and Social work edited by Subhabrata Dutta and C. Ramanathan, 2013, Rutledge, new York, U.S.A
- vi) Chapter on Social Work Practice with Street Children-An Insight” in some Empirical Aspects of Economic Growth and Diversification in India’s Emerginng Economy edited by Pranab Kumar Chattopadhyay; 2014, New Delhi Publishers, New Delhi

Chapters in Books: (four)

- i) Chapter on “Voluntarism, **Human Rights and Globalization- A Synergy and Implications for Social Work Practice**” in **Indigenous Knowledge Systems and Common People’s Rights** edited by Prof D. Das Gupta; **AGROBIOS, Jodhpur, 2009.**
- ii) Chapter on “**Self-Help Group Vehicle for Women Empowerment(A Study in the Bolpur-Sriniketan Community Development Block of Birbhum District)**” in **Economics, Growth and Social Development** edited by Md. Reyazuddin; Serials Publications, New Delhi, 2009.
- iii) Chapter on “**People-Centered Advocacy in Indian Context: A Tool for Community Participation with Special Reference to Food and Environmental Security**” in *Food and Environmental Security*;

Imperatives of Indigenous Knowledge System edited by **Prof. D.Das Gupta** ; AGROBIOS, Jodhpur, 2013.

- iv) Chapter on “ **Disasters and Disaster Aid-Conceptual Paradigm and Implications for Social Work Intervention with Special Reference to Indian Scenario**” in *Governance, Development and Social Work* edited by **P.Ramanathan and S. Dutta**, Ruthledge, U.S.A. Los Angles 2013.

**Mr. Ram Prasad Das –
Publications (two)**

- i) Das, R. (2014): “**Evaluating Self-help Groups: A Village Level Analysis**”, *International Journal of Social Science*, Vol. 3, No. 1, P. 59-72, March 2014. New Delhi Publishers, ISBN: 2249-6637; (CO-authored with Mrs.Paromita Roy)
- ii) Das, R. (2014): **Identity and rights of Scheduled Tribe and Other Forest Dwellers**”, *International Journal-BITM Transaction on EECC*, Vol. 3, No. 1 (January-June issue), pp: 39-46; ISSN: 0974-9527

Dr. Paramita Roy –

Articles in Journals: (five)

- i) 2014, “Evaluating Self-help Groups:A village level analysis”, *International Journal of Social Science*, Vol 3(1), March, pp:49-62. ISSN 2249-6637.
- ii) Roy, Paramita. (2013), “Neoliberalism, Liberalism and Development practice: a theoretical exploration in the context of the changing role of the state”, *Pratidhwani, Journal of Humanities and Social Science*, Vol I (4), ISSN 2278-5264. (Online).
- iii) Roy, Paramita (2013) “Community based Health Insurance Schemes and Social Work Implications for Health Insurance Practices for the Poor”, *Indian Streams Research Journal*, Vol 3(7), ISSN 2230-7850.
- iv) Roy, Paramita and S. Dey Biswas (2011), “Opportunities and Constraints of the Kantha-stitch Craftswomen in Santiniketan: A value-chain analysis”, *Journal of Social Work and Social Development*, Vol 02(02), ISSN 2229-6468.
- v) Roy, Paramita (2010), (Book Review) “Health Providers in India – On the Frontlines of Change”, *Journal of Social Work and Social Development*, Vol 1(1)), ISSN 2229-6468.

Dr. Sukumar Pal –**Publications : (one)**

- i) Scheduled Tribe and Other Traditional Forest Dwellers: In search of their Identity,, International Journal-BITM Transcation on EECC (IJBTEECC), Vol 3, No 1, PP 39-46. ISSN: 0974-9527

Dr. Sanjoy Roy –**Journal 2012 (six)**

- i) Published an article '*Problem of Prostitution in India: Towards Legalization!*' in 'Doctrine' published by Academic Research Society (UP), May, 2012, ISSN-0976-528X.
- ii) Published an article, "*Evolving strategies to strengthen mid day meal scheme – a study of three primary schools of Lucknow*", Social Work Journal, Dept of social work, AUS, ISSN-0976-5484, July, 2012.
- iii) Published an article, '*Honour Killing: An Emerging Social Problem in India*' in Journal, 'Learning Community'-An International Journal of Educational & Social Development, May-2012, ISSN No-0976-3201(accepted).
- iv) Published an article, "*Women participation in unorganized sector in India: A Retrospective*" in the journal, Banijya, Assam University, Vol-2. No-3, July-2012, ISSN-09774-0010(accepted).
- v) Published an article "*Child trafficking in India: A Monstrous Crime*" in an international Magazine, Bal Chappal, Delhi, Issue-2, July, 2012.
- vi) Published an article "*Promoting Gender Equality and Empowerment through MDG in India*" in South Asia Politics, June 2013, Vol-12, No-2.

Edited Book (four)

- i) Published an article, "*Food Insecurity in India*" in an Edited book, *New Dimensions of Rural Development in India*' by Bishnu Mohan Dash and Dr Sanjoy Roy, by Discovery Publishing House, New Delhi, ISBN-978935056-108-9. '2012.
- ii) Published an article, "*Women Empowerment in PRI: With Special reference to West Bengal and Assam*" in an Edited Book, 'Globalization and its effect on Political Scenario in North-East India' from NEHU, in Mittal Publication, 2012.
- iii) Published an article, "*Child trafficking in India: Realities and realization*", in an Edited book, 'Child Labour: Problem, Policy &

- Implications' by Dr Ravi Prakash by Abishkar Publication, Jaipur, July, 2013(forth-coming).
- iv) Published an article, "*Women work-force in unorganized sector in India: Realization from social security perspective*", in an Edited book, 'Women Workers in Informal Sector' by Dr Ravi Prakash by Abishkar Publication, Jaipur, July, 2013(forth-coming).

Book Publication

2012 & 2013 (four)

- i) An Edited Book named '*New Dimensions of Rural Development in India*' by Discovery Publishing House, New Delhi, ISBN-978935056-108-9, p-1-275, 2012.
- ii) '*Field Work in Social Work*' by Rawat Publication, Jaipur & New Delhi, ISBN- 978-81-316-0528-8, p-1-240, 2012.
- iii) '*Migrant Rickshaw Pullers in Delhi: Assessment from Social Work Perspectives*', by LAMBERT Publishing House, Germany, 2012, ISBN No-978-3-659-21844-6.
- iv) '*Social Welfare Administration: Development and Prospects*' by Discovery Publishing House, New Delhi, 2013, ISBN-935056305-3.

Dr. Sasmita Patel

Chapter in book (one)

- i) History of Social Work in India: Central and State Initiatives during post Independence, MSW Course Material, IGNOU, New Delhi, 2010.

Article in Journal (one)

- i) SHGs-A Driving Force in Building Sustainable Communities, Social Welfare, March 2010.

Mr. Joseph Varghese

Chapters in books: (two)

- i) Course material for PG diploma in Tribal Development, Block on Tribes, IGNOU, New Delhi, 2011.
- ii) Course material for MSW, Block on Group Work, IGNOU, New Delhi, 2009.

Mr. Neelmoni Jaiswal

Article in Journal: (three)

- i) Jaysawal, Neelmoni (2013): Role of Civil Society and Its Impact on Social Capital; IOSR Journal of Humanities and Social Sciences (IOSR-JHSS)

- vol. 11, Issue 1(May-June' 2013), pp 98-106, e-ISSN: 2279-0837, p-ISSN: 2279-0845, doi: 10.9790/0837-11198106.
- ii) Jaysawal, Neelmani (2013): Success of Resettlement and Rehabilitation Activity Amidst Obstacles: A Study of China; *International Journal of Social Work and Human Services Practice*, Horizon Research Publishing vol. 1(1), Online Issue (September' 2013) pp. 26-30, e-ISSN: 2332-6840, p-ISSN: 2332-6832, doi: 10.13189/ijrh.2013.010105.
 - iii) Jaysawal, Neelmani (2013): Civil Society, Democratic Space and Social Work; *SAGE Open*, Sage Publication vol. 03, no. 04, Issue (October-December' 2013), online ISSN: 2158-2440, doi: 10.1177/2158244013504934.

Publication in Book Chapters: (one)

- i) Jaysawal, Neelmani (2014): “**Rural Development Programme of Govt. of India and their effectiveness: An assessment**” in Chattopadhyay, P.K (Eds.) *Some Empirical Aspects of Economic Growth and Diversification in India's Emerging Economy*, New Delhi Publishers, New Delhi ISBN: 978-93-81274-54-5.

Miss Sudeshna Saha

Article in Journal: (three)

- i) Saha Sudeshna (2013)“Exploitation of Women Workers in Unorganized Sector”In Steward Business Review An International refereed Journal July 2013 ISSN No.- 2320 – 9399
- ii) Saha Sudeshna(2013) ‘Essence of CSR in Modern Society’ International refereed Journal Scholarly Research Journal for Interdisciplinary Studies July-August 2013ISSN No.- 2278-8808
- iii) Saha Sudeshna(2013) ‘FDI on Retail and its Effect in Agrarian Sector’Peer Reviewed Refereed Open Access International e-Journal December 2013ISSN: 2249-0558

Publication in Book Chapters: (one)

- i) **Saha Sudeshna (2014): “ Deplorable Health Conditions in Rural India 'A Thematic Review”** in Chattopadhyay, P.K (Eds.) *Some Empirical Aspects of Economic Growth and Diversification in India's Emerging Economy*, New Delhi Publishers, New Delhi ISBN: 978-93-81274-54-5.

Miss Subhashree Sanyal

Chapters in books (seven)

- i) Sanyal, S [2013] “Partnership in Good governance: Role of Government and the HSDS” in Ramanathan, C & Dutta, S [Eds] Governance,

- Development and Social Work , Routledge, Taylor and Francis Group
ISBN 978-0-415-52251-9: (co-authored)
- ii) Sanyal, S [2012] “MGNREGA: A promise to rural India for pro-poor development” in Sinha, H & Zorema, J [Eds] Decentralization and Rural Development in North East India, Abhijeet Publications, New Delhi: ISBN 978-93-81136-65-2
 - iii) Sanyal, S [2012] “Women’s right to Health Care: Some Reflections from Cachar District, Assam” in Sinha, H[eds] Empowerment of Women in North East India: Socio-Economic Perspective; Concept Publications, New Delhi
 - iv) ISBN: 9788180699078
 - v) Sanyal, S [2013] “Realities of Building a Developed India: Reflections on The Construction Industry” in Balgopal, P.R & Bhatt, S[Eds] Social Work Response to Social Realities ISBN : 978-93-80685-78-6
 - vi) Sanyal, S [2013] “Desirable Daughters: State of Women and Healthcare in North East India, Sinha, H[eds] Health and Development in Rural North East India Concept Publications, New Delhi ISBN : 9789350740453
 - vii) Sanyal, S [2013] “Hurdles of Third Sector Intervention in North East India: Reflections from Silchar; Assam in Sinha, H[Eds] Development Constraints of North East India; Mittal Publications, New Delhi ISBN: 978935074460

Journals : (twenty three)

- i) Sanyal, S [2010] Voluntary Sector and Foreign Aid in India: Exploring Status, Progress and Challenges; Indian Journal of Social Enquiry; Vol 2[1] pp 138; ISSN 0974-9012
- ii) Sanyal, S [2010] Migration trends and impacts in India: Gendered Aspects and Dimensions; Kurukshetra Journal of Rural Development Vol 59[2] pp 18; ISSN 0021-5660
- iii) Sanyal, S [2011] Rural Employment Generation Programmes in India: An analytical review; Kurukshetra Journal of Rural Development Vol 59[3] pp 15; ISSN 0021-5660
- iv) Sanyal, S [2011]: Panchayati Raj System: A commitment for grassroots democracy; South Asia Politics Vol 9[10] pp 49; RNI: DELENG/2002/6815
- v) Sanyal, S [2011] Women in Indian Prisons: Myths and Realities; Perspective in Social Work; Vol XXVI [1] pp 1; ISSN 0974-5114
- vi) Sanyal, S [2011] Implementation of Semester System At UGC; University News; Vol. 49 [22] pp 1; ISSN 0556-2257 [co-authored]

- vii) Sanyal, S [2011] Representation, Identity and Socio-Economic Positioning of Muslim Women in India: Some reflections through literature review Social Change; Sage Publications Vol. 41[3]pp 345-357; ISSN 0049-0857; DOI 10.1177/004908571104100301
- viii) Sanyal, S [2011]: The Emerging Trends of Rural Healthcare in India; South Asia Politics Vol 10[7] pp 51; RNI: DELENG/2002/681
- ix) Sanyal, S [2011]: Assam and Millennium Development Goals; The Way So Far Yojana Vol 55 pp 54; ISSN 0971-8400
- x) Sanyal, S [2011] The Other Side of Development: Female Migration in India, Trends and Impacts Perspective in Social Work; Vol XXVI [3] ISSN 0974-5114
- xi) Sanyal, S [2012]: Development Communication: Intensifying Rural Development in India ; Kurukshetra
- xii) Vol 60[3] pp 27-30; ISSN 0021-5660
- xiii) Sanyal,S [2012]: Evolution of NGO Initiatives in India: A Brief Analysis; South Asia Politics Vol 10[11] pp 28; RNI: DELENG/2002/6815 [Co-authored]
- xiv) Sanyal,S [2012]:The Other Side of Development: Female Migration in India: Trends and Impacts; Perspective in Social Work ;Vol XXVI [3] pp 42 ;ISSN 0974-5114
- xv) Sanyal,S [2012]: Mission Education for All: Reflections From Sarva Shiksha Abhiyaan ; Kurukshetra Vol 60[11] pp 8-10; ISSN 0021-5660
- xvi) Sanyal,S [2012]: Mujhe Pankh Dedo-Give me Wings to Fly Reflections on Education of Girl Child in India ; Social Welfare Vol 59[6] pp 12-13; ISSN 0037-8038
- xvii) Sanyal,S; [2012]: Tackling The Growing Incidences of Maternal Mortality in Rural India: Emerging Issues & Concerns; Women's Link; Vol 18 [4]; ISSN 2229-6409 [Co-authored]
- xviii) Sanyal,S [2012]:Bharat Nirman: A Giant Leap Towards Rural Infrastructure Development; KurukshetraVol 60[12] pp 59-61; ISSN 0021-5660
- xix) Sanyal, S [2012]: Looking at Nagaland through MDG Lenses, Yojana Vol 56 pp 50; ISSN 0971-8400.
- xx) Sanyal, S (2013) "Primary Education in North East India: A Commentary" in Hazra, A. (Eds.), "Sustaining Development in North-East India: Emerging Issues, Challenges and Policy Measures. Concept Publications, New Delhi. ISBN: 9151250241

- xxi) Sanyal, R.R. & Sanyal, S (2013): “Nagaland: A look through MDG Lenses” in Hazra, A. (Eds.), "Sustaining Development in North-East India: Emerging Issues, Challenges and Policy Measures. Concept Publications, New Delhi. ISBN: 9151250241
- xxii) Sanyal, S [2014]: Bharat Nirman: The Story so far”; Kurukshetra Vol 62[5]. ISSN 0021-5660
- xxiii) Sanyal, S (2014): “State of Public Health in Assam” South Asia Politics Vol 12[11] pp 51-52; RNI: DELENG/2002/681

Dr. Anupam Hazra:

Books (three)

- i) Hazra, A. (2013). *India's Social Sector and Millennium Development Goals: Issues, Challenges and Policy Measures* [ISBN: 978-81-316-0579-0] Jaipur: **Rawat Publications**
- ii) Hazra, A. (2013). *Rural India and The Emerging Developmental Challenges* [ISBN: 81-8324-466-1] New Delhi: **Mittal Publications**.
- iii) Hazra, A. (2013). *Sustaining Development in North East India: Emerging Issues, Challenges and Policy Measures (ed)* [ISBN: 978-93-5125-024-1] New Delhi: **Concept Publishing Company**

Chapters in Edited Books (seven)

- i) Hazra, A. (2011). Food Crisis and the Growing Need to Ensure Food Security. In S. K. Dutta (Eds.), *Development and Rural Livelihood* (pp. 340 – 350). Kolkata: **Levant Books**
- ii) Hazra, A. (2011). NREGA: Exploring the Current Dilemmas and Dynamics. In S. Murugan (Eds.), *National Rural Employment Programme* (pp. 66 – 74). New Delhi: **Anmol Publication** [ISBN: 978-81-261-4933-9]
- iii) Hazra, A. (2012). Framing Strategies for Capturing Market in Rural India: Emerging Issues and Challenges. In L. Rathakrishnan (Eds.), *Rural Marketing and Rural Consumerism: Trends and Issues* (pp. 121 – 123). New Delhi: **Excel India Publishers**. [ISBN: 978-93-81361-61-0]
- iv) Hazra, A. (2012). NREGA and Sustainable Development: A Critical Analysis. In M.R. Biju (Eds.), *Rural Development: Under Decentralized Governance*. (pp. 401 – 413). New Delhi: **Concept Publishing Company (P) Ltd.** [ISBN: 978-81-8069-838-5]
- v) Hazra, A. (2012). MGNREGA: Exploring A New Dimension of Rural Development in India. In H. Sinha & J. Zorema (Eds.), *Decentralization and Rural Development in North East India*. New Delhi: **Abhijit Publication**. [ISBN:978-93-81136-65-2]

- vi) Hazra, A. (2012). The Challenge of Empowering Women in India: The Current Dynamics. In H. Sinha & J. Zorema (Eds.), *Women Empowerment of Women in North East India*. New Delhi: Concept Publishing Company (P) Ltd.
- vii) Hazra, A. (2013). Promoting Rural Sanitation in Assam: Issues and Policy Measures. In A. Hazra (Eds.), *Unpublished*. New Delhi: Concept Publishing Company (P) Ltd.

Articles published in Journal (eighty five)

- 1) Hazra, A. (2009). Tackling the Global Threat of Climate Change. *Social Welfare*. Vol. 56 (3). pp. 5. [ISSN:0037-8083]
- 2) Hazra, A. (2009). Displacements: An Emerging Global Concern. *Kurukshetra*. Vol. 57 (8). pp. 8. [ISSN:0021-5660]
- 3) Hazra, A. (2009). Indians in Need of Rehabilitation. *South Asia Politics*. Vol. 8 (3). pp. 29. [RNI:DELENG/2002/6815]
- 4) Hazra, A. (2009). The Global Threat of Disaster: Quantifying the Effects. *South Asia Politics*. Vol. 8 (4). pp. 27. [RNI:DELENG/2002/6815]
- 5) Hazra, A. (2009). Food for All - Still a Distant Dream. *Kurukshetra*. Vol. 57 (11). pp. 12. [ISSN:0021-5660]
- 6) Hazra, A. (2009). Educational Status of Women in India. *Social Welfare*. Vol. 56 (6). pp. 4. [ISSN:0037-8083]
- 7) Hazra, A. (2009). Gender Disparity in Education. *Yojana*. Vol. 53. pp. 32. [ISSN: 0971-8400]
- 8) Hazra, A. (2009). Budget: A North-East Perspective. *South Asia Politics*. Vol. 8 (5). pp. 28. [RNI:DELENG/2002/6815]
- 9) Hazra, A. (2009). The Ignored Indians. *Man and Development*. Vol. 31 (3). pp. 73 [ISSN: 0258-0438]
- 10) Hazra, A. (2009). Corruption and Development: Exploring the Dynamics. *Social Action*. Vol. 59 (4). pp.370. [ISSN: 0037-7627]
- 11) Hazra, A. (2009). Status of the Elderly in India. *Social Welfare*. Vol. 56 (7). pp. 5. [ISSN:0037-8083]
- 12) Hazra, A. (2009). Poverty: Still Alarming in India. *South Asia Politics*. Vol. 8 (6). pp. 28. [RNI:DELENG/2002/6815]
- 13) Hazra, A. (2009). Poverty in Rural India: Jeopardizing the Future Growth. *Kurukshetra*. Vol. 58 (1). pp. 32. [ISSN:0021-5660]
- 14) Hazra, A. (2009). Social Work as Higher Education: Analyzing the Current Prospect in India. *University News*. Vol. 47 (46). pp.11. [ISSN:0566-2257]
- 15) Hazra, A. (2009). Right to Food: Ensuring Human Dignity. *Bulletin of R.K.M Institute of Culture*. Vol. LX (11). pp.516. [ISSN:0971-2755]

- 16) Hazra, A. (2009). Hunger and Under-Nourishment in India. *Rajagiri Journal of Social Development*. Vol. 1 (1). pp. 35. [ISSN: 0973-3086]
- 17) Hazra, A. (2009). NREGA: Transforming Rural India. *Kurukshetra*. Vol. 58 (2). pp. 7. [ISSN:0021-5660]
- 18) Hazra, A. (2009). Providing Safe Drinking Water to Rural India. *South Asia Politics*. Vol. 8 (8). pp. 34. [RNI:DELENG/2002/6815]
- 19) Hazra, A. (2010). State of Health in India: The Current Scenario. *Kurukshetra*. Vol. 58 (4). pp. 3. [ISSN:0021-5660]
- 20) Hazra, A. (2010). Rural Sanitation: Still a major concern. *South Asia Politics*. Vol. 8 (10). pp. 35. [RNI:DELENG/2002/6815]
- 21) Hazra, A. (2010). Drop-out in School education: An overview. *South Asia Politics*. Vol. 8 (11). pp. 27. [RNI:DELENG/2002/6815]
- 22) Hazra, A. (2010). Development at the cost of Human life? *Social Action*. Vol. 60 (2). pp.184. [ISSN: 0037-7627]
- 23) Hazra, A. (2010). Food Security and Malnutrition: Exploring the Dynamics. *Perspectives in Social Work*. Vol. XXV (1 & 2). pp.184. [ISSN: 0974-5114]
- 24) Hazra, A. (2010). Safe Drinking Water: The Task Ahead. *Kurukshetra*. Vol. 58 (7). pp. 6. [ISSN:0021-5660]
- 25) Hazra, A. (2010). Cooperative Societies in India: Still creating hope for the poor. *Samavayika*. Vol. 2 (71). pp. 75. [ISSN: 0975-7244]
- 26) Hazra, A. (2010). Gender Budgeting and Development: The Indian Scenario. *A Journal of Social Focus*. Vol. 1 (2). pp. 95. [ISSN: 0975-4970]
- 27) Hazra, A. (2010). Women Reservation Bill: Can we hope for gender equality? *Kurukshetra*. Vol. 58 (8). pp. 8. [ISSN:0021-5660]
- 28) Hazra, A. (2010). Maternal Mortality in India. *South Asia Politics*. Vol. 9 (2). pp. 24. [RNI:DELENG/2002/6815]
- 29) Hazra, A. (2010). An Analysis of Scarcity in a State of Surplus. *Journal on Social Economics*. pp. 37. [ISBN: 0-9703797-7-3]
- 30) Hazra, A. (2010). Gender Budgeting: The Emerging Framework for Raising Women Voices. *Journal on Sociology*. pp. 99. [ISBN 0-9703797-5-7]
- 31) Hazra, A. (2010). Women Empowerment through SHG Approach: A study-based reflection. *South Asia Politics*. Vol. 9 (3 & 4). pp. 28. [RNI:DELENG/2002/6815]
- 32) Hazra, A. (2010). Current Status of Cooperative Societies in India: An Analysis. *National Cooperative Development Council Bulletin*. Vol. XXXIV. [ISSN:0972-3161]
- 33) Hazra, A. (2010). Rural Literacy in India: The Changing Scenario. *Kurukshetra*. Vol. 58 (11). pp. 3. [ISSN:0021-5660]

- 34) Hazra, A. (2010). Climate Change and Development. *South Asia Politics*. Vol. 9 (5). pp. 48. [RNI:DELENG/2002/6815]
- 35) Hazra, A. (2010). Panchayati Raj System: Strengthening Rural Decentralization and Democracy. *Kurukshetra*. Vol. 58 (12). pp.19. [ISSN:0021-5660]
- 36) Hazra, A. (2010). Rural Development in India: An Overview. *South Asia Politics*. Vol. 9 (7). pp. 19. [RNI:DELENG/2002/6815]
- 37) Hazra, A. (2010). Status of Tribal in India: An analysis. *Kurukshetra*. Vol. 59 (1). pp. 12. [ISSN:0021-5660]
- 38) Hazra, A. (2010). Migration: Still a Survival Strategy for Rural India. *Kurukshetra*. Vol. 59 (2). pp. 4. [ISSN:0021-5660]
- 39) Hazra, A. (2010). Looking at Meghalaya from MDG-lens. *Yojana*. Vol. 54. pp. 61. [ISSN: 0971-8400]
- 40) Hazra, A. (2011). Rural India: Still Searching Jobs for the Millions. *Kurukshetra*. Vol. 59 (3). pp. 3. [ISSN:0021-5660]
- 41) Hazra, A. (2011). Protection of the Rights of Girl Child. *Social Welfare*. Vol. 57 (11). pp. 5. [ISSN:0037-8083]
- 42) Hazra, A. (2011). Exploring the 'Starving' India. *Kurukshetra*. Vol. 59 (5). pp. 21. [ISSN:0021-5660]
- 43) Hazra, A. (2011). Women need an 'identity' revolution. *Social Welfare*. Vol. 57 (12). pp. 8. [ISSN:0037-8083]
- 44) Hazra, A. (2011). Dalits: The Unheard Voices of India. *South Asia Politics*. Vol. 9 (11). pp. 40. [RNI:DELENG/2002/6815]
- 45) Hazra, A. (2011). Current Prospect of Social Work in India. *Employment News*. Vol. XXXVI (2). pp. 1. [RNI: 28728/76]
- 46) Hazra, A. (2011). The 'Sanitation' crisis in India: A Threat to The 'MDG-Commitments'. *Perspectives in Social Work*. Vol. XXVI (1). pp.18. [ISSN: 0974-5114]
- 47) Hazra, A. (2011). Budget 2011: A Promise of Pro-poor Rural Growth. *South Asia Politics*. Vol. 9 (11). pp. 40. [RNI:DELENG/2002/6815]
- 48) Hazra, A. (2011) The Challenge of Empowering Women: Exploring The Current Dynamics. *IASSI Quarterly*. Vol. 30 (2). pp.40 - 51 [ISSN : 0970-9061]
- 49) Hazra, A. (2011). The Challenge of Educating Rural India. *Kurukshetra*. Vol. 59 (7). pp. 3. [ISSN:0021-5660]
- 50) Hazra, A. & Sanyal, S. (2009). Semester System at University Level: Exploring the Future Prospect. *University News*. Vol. 49 (22). pp.1. [ISSN:0566-2257]

- 51) Hazra, A. (2011). Human Trafficking & HIV/AIDS: Role of Civil Society Organizations. *South Asia Politics*. Vol. 10 (2). pp. 25. [RNI:DELENG/2002/6815]
- 52) Hazra, A. (2011). Ensuring Better Access to Credit in Rural India. *Kurukshetra*. Vol. 59 (8). pp. 7. [ISSN:0021-5660]
- 53) Hazra, A. (2011). Census 2011: Exploring the Issues of Concern. *South Asia Politics*. Vol. 10 (4). pp. 35. [RNI:DELENG/2002/6815]
- 54) Hazra, A. (2011). Establishing Good Governance in Panchayat Administration: Shaping a Vibrant Future for Rural India. *Kurukshetra*. Vol. 59 (10). pp. 3. [ISSN:0021-5660]
- 55) Hazra, A. (2011). Empowering Women in Rural India: Exploring the Current Dynamics. *Kurukshetra*. Vol. 59 (11). pp. 3. [ISSN:0021-5660]
- 56) Hazra, A. (2011). Transforming Rural India: Emerging Issues and Challenges. *Kurukshetra*. Vol. 59 (12). pp. 3. [ISSN:0021-5660]
- 57) Hazra, A. (2011). Status of women in India: Still causes concern. *South Asia Politics*. Vol. 10 (7). pp. 40. [RNI:DELENG/2002/6815]
- 58) Hazra, A. (2011). Provisioning PESA: Still a Long Way to Go. *Kurukshetra*. Vol. 60 (2). pp. 29. [ISSN: 0021-5660]
- 59) Hazra, A. (2011). MGNREGA: Ensuring a Sustainable Growth in Rural India. *Man and Society*. Vol. VIII. pp. 76. [ISSN: 2229-4058]
- 60) Hazra, A. (2012). ICT: A Catalytic Intervention for Empowering Rural India. *Kurukshetra*. Vol. 60 (3). pp. 9 [ISSN: 0021-5660]
- 61) Hazra, A. (2012). Rural India: Still Floating towards Cities. *Kurukshetra*. Vol. 60 (4). pp. 3 [ISSN: 0021-5660]
- 62) Hazra, A. (2012). Food Security in Rural India: Poverty in the Land of Plenty. *Kurukshetra*. Vol. 60 (5). pp. 7 [ISSN: 0021-5660]
- 63) Hazra, A. & Sanyal, S. (2012). Evolution of NGO Initiatives in India. *South Asia Politics*. Vol. 10 (11). pp.28. [RNI:DELENG/2002/6815]
- 64) Hazra, A. (2012). Prospects of Rural Development/Rural Management Courses in India: Exploring the Current Dynamics. *University News*. Vol. 50 (15). pp.12. [ISSN:0566-2257]
- 65) Hazra, A. (2012). Empowering Women in India: Still a Major Concern. *Perspectives in Social Work*. Vol. XXVII (1). pp. 21. [ISSN: 0974-5114]
- 66) Hazra, A. (2012). Promoting Rural Sanitation for a Better Environment in Rural India. *Kurukshetra*. Vol. 60 (8). pp 12. [ISSN: 0021-5660]
- 67) Hazra, A. (2012). Development-demography of Rural India. *Kurukshetra*. Vol. 60 (9). pp. 3 [ISSN: 0021-5660]

- 68) Hazra, A. (2012). The Challenge of Keeping Rural India Healthy. *Kurukshetra*. Vol. 60 (10). pp.3 [ISSN: 0021-5660]
- 69) Hazra, A. (2012). The Need of Right-based Empowerment Approach for Women of Rural India. *Social Action*. Vol. 62 (3). pp. 314 [ISSN: 0037-7627]
- 70) Hazra, A. (2012). The Challenge of Promoting Education in Rural India: Realities and Constraints. *Social Welfare*. Vol. 59 (6) pp.34 [ISSN:0037-8083]
- 71) Hazra, A. (2012). Strengthening Infrastructural-Base of Rural India: Realities and Constraints. *Kurukshetra*. Vol. 60 (12). pp. 14. [ISSN: 0021-5660]
- 72) Hazra, A. and Sanyal, S. (2012). Tackling the Growing Incidences of Maternal Mortality in Rural India: Emerging Issues & Concerns. *Women's Link* [ISSN: 2229-6409]
- 73) Hazra, A. (2012). India Needs to Move Faster towards its Millennium Commitments. *South Asia Politics*. Vol. 11 (6) pp.17 [RNI:DELENG/2002/6815]
- 74) Hazra, A. (2013). Rural Sanitation and the Need to Encourage Women's Participation. *Kurukshetra*. Vol. 61 (3). pp. 8. [ISSN: 0021-5660]
- 75) Hazra, A. (2013). Linking Rural Resources with Development Planning. *Kurukshetra*. Vol. 61 (5). pp. 46. [ISSN: 0021-5660]
- 76) Hazra, A. (2013). A Prudent Budget with Promises of Sustainable Growth for Rural India. *Kurukshetra*. Vol. 61 (6). pp. 30. [ISSN: 0021-5660]
- 77) Hazra, A. (2013). Empowering Rural Voices of India. *Kurukshetra*. Vol. 61 (7). pp. 3. [ISSN: 0021-5660]
- 78) Hazra, A. (2013). Efforts towards Empowering Women in Rural India. *South Asia Politics*. Vol. 12 (1) pp.33 [RNI:DELENG/2002/6815]
- 79) Hazra, A. (2013). Agriculture and Rural India's Millennium Commitments. *Kurukshetra*. Vol. 61 (8). pp. 7 [ISSN: 0021-5660]
- 80) Hazra, A. and Biswas, S. (2013). Empowering Gram Sabha: Issues, Challenges and Way Forward. *South Asia Politics*. Vol. 12 (2) pp.41 [RNI:DELENG/2002/6815]
- 81) Hazra, A. (2013). SHGs: Adding New Dimensions to Sustainable Rural Growth. *Kurukshetra*. Vol. 61 (9). pp. 3 [ISSN: 0021-5660]
- 82) Hazra, A. (2013). Where Do Women Stand in Rural India? *Kurukshetra*. Vol. 61 (10). pp. 3 [ISSN: 0021-5660]

- 83) Hazra, A. (2013). Enhancing Quality of Life across Rural India: The Current Dynamics and the Contemporary Dilemmas. *Kurukshetra*. Vol. 61 (11). pp. 3 [ISSN: 0021-5660]
- 84) Hazra, A. (2013). Outlining Ethics. *Kurukshetra*. Vol. 61 (11). pp. 3 [ISSN: 0021-5660]
- 85) Hazra, A. (2014). The Saga of Boosting Rural Development in India. *Kurukshetra*. Vol. 62 (1). pp. 3 [ISSN: 0021-5660]

- b) **Monographs:**
- c) **Chapters in Books:**
- d) **Edited Books:**
- e) **Books with ISBN with details of publishers:**
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
- d) **Citation Index — range / average:**
- e) **SNIP:**
- f) **SIR:**
- g) **Impact Factor — range / average:**
- h) **h-index:**

23. Details of patents and income generated: NA

24. Areas of consultancy and income generated: NA

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- a) Prof P.K. Ghosh was selected for Fulbright Fellowship on Academic Administration by USIEF in 2012. He was trained in the history of federal higher education to current status of education in US including community colleges. Prof Ghosh made institutional visits across Universities of Washington, Philadelphia and New York and got intricate understanding and knowledge of curriculum, recruitment, fundraising by the Universities.
- b) Prof M.M Mukherjee presented paper in 29th International Conference of Council of International Fellowship at Nicosia, Cyprus in 2011 where he presented on social work and family, change in family structure, unhappy and broken marriages, violence and family.
- c) Prof Debotosh Sinha- In the year 2007, participated in presentation of paper titled “Voluntarism, Human Rights and Globalization- A Synergy and Implications for Social Work Practice” under the Session on “Indigenous

Knowledge Systems and Common People's Rights" as a part of the 16th Congress of the International Union of Anthropological and Ethnological Sciences (IUAES) on the overall theme "HUMANITY, DEVELOPMENT AND CULTURAL DIVERSITY"(16th International Congress) held in Kunming City of Republic of China. Also in the year 2009, he participated in the 17th International Congress of Anthropological and Ethnological Science (IUAES) and presented a paper on the overall theme "Evolving Humanity and Emerging World held in Manchester, UK from August 05to 10,2013.

26. Faculty serving in

a) National committees:

- i) Prof P.K.Ghosh- UGC National Committee on Review of Autonomous Status of colleges; UGC-NERO, Gauhati, 2013.

b) International committees:

- i) Prof Manju Mohan Mukherjee- Member of Council for International Fellowship, 2011.

c) Editorial Boards:

Prof P.K.Ghosh –

- i) Journal of Social Work and Social Development, Visva-Bharati; Santiniketan.

Prof Kumkum Bhattacharya –

- i) Journal of Social Work and Social Development, Visva-Bharati; Santiniketan.

Prof Asok Kumar Sarkar –

- i) Social work Journal; Assam University; Silchar
- ii) Journal of Social Work and Social Development, Visva-Bharati; Santiniketan
- iii) Samabayika; Assam University Co-operative Journal
- iv) Participative Development; Bharati Vidyapeeth University

Dr Sanjoy Roy –

Doctrine

- i) Learning Community; New Delhi Publishers.

d) Any other (please specify):

All teachers are members in various professional associations of Social Work

- i) National Association of Professional Social Workers in India
- ii) Indian Sociological Society
- iii) Indian Statistical Institute; Kolkata

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) 2 faculties attended UGC Orientation and Refresher courses in October-November 2013 at Jawaharlal Nehru University and Burdwan University respectively. Field Work Related Workshop is organized by the Department twice in a year where teachers and field supervisors meet and a collaborative strategy and action plan for the next academic year is made. Suggestions from the field are incorporated.
- b) Training Programme on Human Rights organized by the National Human Rights Commission, New Delhi and Department of Social Work, Visva-Bharati on 29th January 2013/ Source of Funding- National Human Rights Commission, New Delhi/ Number of Participants-100.

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** Around 33% of students per year from MA Final year take up MA Dissertation Projects on various issues and topics in Social Work under individual faculties.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Around 90% of students from MA Final year as a part of their Internship Programme undertake various projects in industry and institutes every year.

29. Awards / recognitions received at the national and international level by

- a) **Faculty:**
 - i) Fulbright Fellow -1
- b) **Doctoral / post doctoral fellows:** 01
- c) **Students:** Best Abstract Award received by a student (Sattwik Dey Biswas) in an International Seminar held in Hong Kong 2010

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|--------------|--|--|---|
| January 2013 | 9 th Annual National Seminar on <i>Community Development and HIV/AIDS</i> | Raja Rammohan Roy Library Foundation, Department of Panchayat-West | Number of Participants-300, Ex-vice chancellor of Kashi Vidyapeeth Prof Surendra Singh graced the occasion. |

| | | | |
|-------------------------------|---|---|--|
| | | Bengal, IGNOU, and Registration Fees | |
| January 28-29, 2013 | Golden Jubilee Seminar on <i>Advances in Social Work Education & Practice in Changing Social Milieu</i> | Visva-Bharati and Registration Fees | Number of Participants-50, Prof Sanjai Bhatt was invited as the Key Note Speaker for the occasion. |
| 29 th January 2013 | Training Programme on Human Rights | National Human Rights Commission, New Delhi | Number of Participants-100 |

31. Code of ethics for research followed by the departments:

As per the University Research Board and BOS of the Department.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| BSW | Admission Cell | 19 | 27 | | |
| MSW | 150 | 24 | 19 | | |
| PhD | 18 | 4 | 3 | | |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|---|---|---|--|------------------------------------|
| BSW (117) | 24 (20.51%) | 82(70.08%) | 8 (6.83%) | 3 (2.56%) |
| MSW(81) | 59 (72.83%) | 15 (18.51%) | 4 (4.93%) | 3 (3.70%) |
| PhD(23) | 17 (73.91%) | 2 (8.69%) | 4 (17.39%) | N.A |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: UK Civil Service –1, Defence Services-1, NET- 17, JRF-4, Rajib Gandhi Fellowship-2

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 33 (100%) |
| PG to M.Phil. | NA |
| PG to Ph.D. | 3(8%) |
| Ph.D. to Post-Doctoral | NA |
| Employed | |
| • Campus selection | 26 |
| • Other than campus recruitment | 11 |
| Entrepreneurs | 06 |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | 52.9% |
| from other universities within the State | |
| from universities from other States | 5.8% |
| from universities outside the country | 29.4% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Library is shared with Institute of Agriculture (PSB) and PSV Library is used by the students and faculty members for academic purposes.
- b) **Internet facilities for staff and students:** Wi-Fi and internet facility is available for staff and students.
- c) **Total number of class rooms:** 05
- d) **Class rooms with ICT facility:** not yet arranged
- e) **Students' laboratories:** NA
- f) **Research laboratories:** NA

39. **List of doctoral, post-doctoral students and Research Associates:**
 a) **from the host institution/university:** 17
 b) **from other institutions/ universities :** 04
40. **Number of post graduate students getting financial assistance from the university:** NA
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**
 No new programme has been started during last five years, but syllabus has been modified at the undergraduate as well as post-graduate level. In this regard feedback was taken from the experts (Professors of other university) and alumni who are working in different development organizations.
42. **Does the department obtain feedback from**
 a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes from time to time after every semester and accordingly teaching-learning-evaluation is modified. Student's feedback is taken by teachers individually.
 b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:**
 Students' feedback is discussed in the Departmental meeting as well as field work meeting and programme is modified accordingly.
 c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes from time to time on Alumna/Reunion Meet and also from employers time to time during Alumna Meet.
43. **List the distinguished alumni of the department (maximum 10):**
 a) Prof. Pranab Chatterjee, Prof Emeritus, Mandal School of Social Sciences, Case Western University, Cleveland.
 b) Professor Swapan Kumar Garain, of Social Work, TISS
 c) Prof Prasanta Kumar Ghosh, Visva-Bharati
 d) Prof. Santanu Sarkar, XLRI Jamshedpur
 e) Dolamoni Mahapatra- Country Director, Child Fund-India
 f) Ranadip Chatterjee- State Service, UK
 g) Menaka Jha-Regional Director, South East Asia, Oxfam UK
 h) Prof Manas Ranjan Tripathi, Faculty, School of Business, Indian School of Business, Hyderabad
 i) Manabendra Nath Roy-Deputy Country Director, Save the Children-India.
 j) Nilanjan Das, Social Entrepreneur

- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
Special Lectures are organized inviting field level experts and visiting faculties from other Universities.
- 45. List the teaching methods adopted by the faculty for different programmes:**
 - a) Classroom Lectures
 - b) Interactive Session
 - c) Paper Presentations
 - d) Participatory Learning
 - e) Theatre and Street Plays
 - f) Power Point Presentations
 - g) Documentary
 - h) Field Based Learning
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
The programmes are designed keeping in view the vision, mission and goals of the department and the larger objectives of the University. Time to time monitoring of programmes are done in the Board of Studies meetings of the Department
Outcome is assessed by student's performance in examinations and job placements at the end of the programme.
- 47. Highlight the participation of students and faculty in extension activities:**
Students organize Community Based programmes and design it in consultation with faculties in the nearby 25 villages and local communities. Extension activity is also conducted with local NGOs and Government Schools/ Departments where students are placed for field work.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
The department publishes an ISSN numbered journal “Journal of Social Work and Social Development”, bi-annually.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** No
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
The department has focussed on integrating Tagore's philosophy on rural reconstruction. Our basic focus of the curriculum is rural and ecological. Field based intervention is given primary importance. Integrating theory into practice has been our prime focus.

The department seeks to evolve into a centre for advanced learning especially in areas of rural development and also community organization. Based in a rural campus; the prime focus always has been welfare of the neighbouring communities.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) UG-PG taught under one Department
- ii) Quality teaching staff.
- iii) Rural based course curriculum
- iv) Practice based course curriculum.
- v) Excellent placement of students

b) Weaknesses –

- i) Inadequate space for teachers room.
- ii) Lack of computer facility with internet connection
- iii) Cleanliness and sanitation (Lack of sweeper)
- iv) No Departmental Library.
- v) No audio visual staff

c) Opportunities –

- i) Huge field work area in nearby rural and tribal Villages
- ii) Scope of research in rural area.
- iii) Development project.
- iv) University community partnership.
- v) NGO/GO-Department partnership

d) Challenges of the Department –

- i) Organising the unorganised community.
- ii) Similar Programmes offered under the same institute.
- iii) Funding for infrastructure and inadequate maintenance staff.

52. Future plans of the department:

- a) To apply for UGC-SAP Programme
- b) To evolve as a Centre for Advance Studies in Social Work in near future

Evaluative Report of Women's Studies Centre

1. **Name of the Department:** Women's Studies Centre, Visva Bharati
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes, Palli Samgathana Vibhaga
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):** Not yet
5. **Interdisciplinary programmes and departments involved:** Yes
 Workshop on 'The Role of Women in Rabindra Sangeet and Nritya-natya (1930-61)' - discussion cum demonstration jointly with Sangeet Bhavan, Visva-Bharati. 21-23 March 2011
 Empowerment of Youth Generations in India' jointly with Hindi Bhavana on 16 April 2013
 Genderlogue on 'Social Media and the Gender Question' with Centre for Journalism and Mass Communication, Visva-Bharati in association with Friedrich Ebert Stiftung (FES), Germany on April 8, 2014.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Not yet
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:** Not Applicable
9. **Participation of the department in the courses offered by other departments:** Not Applicable
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others):**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 0 | 0 | 0 |
| Associate Professors | 1 | 1 | 1 |
| Asst. Professors | 1 | 1 | 1 |
| Others | 1 | 0 | 0 |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

- a) **Name** : Dr. Tanusree Paul
Qualification : M.Phil., Ph.D. (Social and Cultural Geography)
Designation : Assistant Professor
Specialization : Regional development, gender and space, gender and labour market, gender and development
No. of Years of Experience : 1 year 5 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- Name** : Dr. Deepita Chakravarty
Qualification : M.Phil., and Ph.D. in Economics
Designation : Associate Professor
Specialization : Gender and Development, Labour market behaviours and Gender questions in South Asia, Development issues related to Indian Industry and Services, Industrial organization
No. of Years of Experience : 13 (Previous)
No. of Ph.D./M.Phil. students guided for the last 4 years : 02

- * Professor Swastika Mukhopadhyay, Professor of Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana is presently functioning as the Chairperson of the Women's Studies Centre.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

None

13. **Percentage of classes taken by temporary faculty — programme-wise:**
Not Applicable
14. **Programme-wise Student Teacher Ratio:** Not Applicable
15. **Number of academic support staff (technical) and administrative filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|--|-----------------------|--------|
| Academic Support Staff (Technical) | Research Assistant-1 | 1 (contractual staff) | 1 |
| Administrative Staff | Professional assistant-1 Data entry operator- 1 | 0 | 0 |
| Others | Attendant-1 | 1 (Casual staff) | 1 |

16. **Research thrust areas as recognized by major funding agencies:**
Exploring possibilities of procuring fund for major and minor research projects from national/international funding agencies. In this regard, few points may be mentioned.
Dr. Tanusree Paul is working on research proposal on ICT and economic empowerment of women to be submitted to National Commission for Women.
Dr. Deepita Chakravarty is working a book on *Women and Labour* funded by Faculty Research Grants from IIM (K) and SOAS, UK initially. At present however it is being personally by the author.
Deepita has also worked on an international project title State Business Relations in India and Africa, funded by DFID (Deepita worked on West Bengal and Andhra Pradesh)
17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:** Not yet
18. **Inter-institutional collaborative projects and associated grants**
a) National collaboration: Nil b) international collaboration: Nil
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** Not yet

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

Not yet

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not Applicable**22. Publications:****a) Number of papers published in peer reviewed journals (national /international):****Dr. Tanusree Paul –**

- i) 2014, A Review of Government Programmes for Women and Children in India: Implications for Nutrition During the Thousand Day Period. *Indian Journal of Nutrition and Dietetics*. Vol. 51: 322- 339. (with Shweta Khandelwal, Radhika Dayal, Surbhi Bhalla.)
- ii) 2014, Gendered labour in India: Diversified or Confined? *Economic and Political Weekly*. Vol - XLIX No. 29,197-208 (with Saraswati Raju)
- iii) 2014, Postgraduate education in nutrition in south Asia: a huge mismatch between investments and needs. *BMC Medical Education*, Vol. 14(3):1-7. (with Shweta Khandelwal, Lawrence Haddad, Surbhi Bhalla, Stuart Gillespie and Ramanan Laxminarayan)
- iv) 2013, 'Interrogating the Global/Local Interface: Workplace Interactions in the New Economic Spaces of Kolkata', *Gender, Technology and Development*, Vol. 17(3)
- v) 2012, 'Impact of Gendered Spaces on Female Employment in the Era of Globalization', *Economic and Social Research Institute Journal*, 3 (2): 58-65.
- vi) 2011, 'Space, Gender and Fear of Crime: Some Explorations from Kolkata', *Gender Technology and Development*, 15 (3): 411-436.

Dr. Deepita Chakravarty –

- i) 'Trade Unions and Business Firms: Unorganized manufacturing in West Bengal', 2010. *Economic and Political Weekly*. Vol. 45, No. 6: 45-52.
- ii) "For Bed and Board Only": Women and Girl Children Domestic in Post Partition Calcutta (1951-1981)', *Modern Asian Studies*, Cambridge University Press, Vol.47, Issue 2 (March, 2013)) (with Ishita Chakravarty).

- iii) Industry, Labour and the State: Emerging Relations in the Indian State of West Bengal', *Journal of South Asian Development*, Sage Publications, (October, 2011) Vol 6, No. 2. (with Indranil Bose).

b) Monographs:

Dr. Deepita Chakravarty –

- i) 'Girl Children, Family and Dirty Work: Paid Domestic Service in the Indian State of West Bengal' (2011), Occasional Paper, Centre for Studies in Social Sciences, Calcutta (with Ishita Chakravarty).
- ii) 'When Daughters Migrate and Mothers Stay at Home: Paid Work of Girl Children in India', 2012, Working Paper, SOAS, University of London.
- iii) Commissioned to write a background paper as a short term Consultant titled "Women's Emerging Work Opportunities in India" for *India Gender Report*, "Ingender" World Bank (forthcoming).

c) Chapters in Books:

Dr. Tanusree Paul –

- i) 2011, 'Public Spaces and Everyday Lives: Gendered Encounters in the Metro City of Kolkata', in Saraswati Raju and Kuntala Lahiri-Dutt (eds) *Doing Gender, Doing Geography: Emerging Research in India*, New Delhi: Routledge, pp 248-267.

Dr. Deepita Chakravarty –

- i) 'Girl Children in the Care Economy: Domesticity in West Bengal', (reprint) (2012) in Padmini Swaminathan (ed.), *Women and Work*, Economic and Political Weekly along with Orient Black Swan (with Ishita Chakravarty).
- ii) 'Industrializing West Bengal? A cases of Institutional Stickyness' (2013) in Kunal Sen and Adrian Leftwich (eds.), Routledge, The UK (with Indranil Bose).

d) Edited Books:

e) Books with ISBN with details of publishers:

Dr. Deepita Chakravarty –

- i) *Expansion of Markets and Women Workers in India: A Case Study of Selected Garment Manufacturing Firms in Andhra Pradesh*, LAP Lambert Academic Publishers, Germany, March, 2011. ISBN: 978-3-8443-0991-1
- Women, Labour and the Economy in India: From Migrant Butlers to Uprooted Maids*. (Forthcoming, January, 2015) (with Ishita Chakravarty), Routledge, London, UK.

- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - g) **Citation Index — range / average:**
 - h) **SNIP:**
 - i) **SIR:**
 - j) **Impact Factor — range / average:**
 - k) **h-index:**
- 23. Details of patents and income generated:** None
- 24. Areas of consultancy and income generated:** None
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Dr. Tanusree Paul –**
 Received complete financial support from the Department of Science and Technology, Government of India to attend the 32nd International Geographical Conference in Cologne, Germany, 26-30th August 2012.
 *Paper presented “*Globalization and the Blurring of Gendered Spaces: Rhetoric or Reality*”
- Dr. Deepita Chakravarty –**
- i) Invited to give a lecture on Girl child and Work in a Workshop organized by The UNICEF and CSSS, Kolkata, 2010
 - ii) Invited to participate in the third Discussion Workshop on Arjun Sengupta Commission on Unorganised Labour, Organized by the Institute of Human Development, New Delhi, 2010.
 - iii) ‘Of Girl Child Caste: Domesticity in West Bengal’, presented at an international conference at the university of Keele in UK organized by *Gender, Work and Organization*, during 21-23 June 2010, University of Keel, The UK.
 - iv) When Daughters Migrate and Mothers Stay at Home: Paid Work of Girl Children in India’, presented at an International Conference organized by the British Association of South Asia, University of Southampton, UK, April 11-13, 2011
 - v) Public Seminar at the London School of Economics and Political Science, London, May, 16, 2011
 - vi) Invited to address a seminar on Women’s outside work, agency and girl children, Queen Elizabeth House, University of Oxford

- vii) Invited Seminar address in the Department of Development Studies, SOAS, University of London
- viii) Invited seminar address on women work and education organized by the Christian Aid, London.
- ix) State Business Relations and the question of Labour in West Bengal and Orissa: Presentations in two international seminars in Jaipur (December 2009) and
- x) Kolkata (May, 2010) organized by IPPG, University of Manchester, UK, CUTS International.

26. Faculty serving in

- a) National committees b) international committees c) Editorial Boards
- d) any other (please specify)

Dr. Tanusree Paul –

i) **Member, Committee for Prevention of Sexual Harassment at Workplace, Visva Bharati**

ii) Member, *Karmisangha*, Visva-Bharati

iii) **Member, Editorial Board of Visva-Bharati News.**

Dr. Deepita Chakravarty –

On the panel of reviewers for the following journals:

i) Economic and Political Weekly

ii) Journal of South Asian Development, Sage Publications

iii) **World Women's Forum, Elsevier**

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): None

28. Student projects:

a) **percentage of students who have done in-house projects including interdepartmental projects:** Not Applicable

b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Not Applicable

29. Awards / recognitions received at the national and international level by

a) **Faculty:**

Dr. Tanusree Paul –

i) Received complete financial support from the Department of Science and Technology, Government of India to attend the International Geographical Conference in Cologne, Germany, 26-30th August 2012.

- ii) The YOUNG GEOGRAPHER award by the Institute of Indian Geographer at the International Conference on “Environment, Agriculture and Food Security in India”, organized by Bangalore University, 19-21 February 2010.

Dr Deepita Chakravarty –

- i) Sir Ratan Tata Post Doctoral Fellow at the London School of Economics and Political Science, London, UK, 2010 - 2011. One fellowship for all South Asian Countries over all Disciplines of Social Sciences funded by the Ratan tata Trust, LSE.
- ii) Got a permanent Faculty position at SOAS, University of London, 2011
- iii) Got full support for all the above mentioned seminars and lectures from either the organizers or the serving institutions.
- b) Doctoral / post doctoral fellows:**
- c) Students:** Not Applicable

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Seminars/Conferences/Workshops | Date | Funding Organisation |
|---|----------------------|----------------------|
| A three-day film festival at Lipika Auditorium in collaboration with <i>Bikshan</i> Film Society, Santiniketan followed by discussion on the selected movies. | 12-14 February, 2010 | UGC |
| Workshop on ‘Empowerment of Women: Concept and Approach’ | 15-16 February 2010 | UGC |
| 2-day workshop on Gender Sensitization of rural SHG members | 8-9 March, 2010 | UGC |
| National seminar on ‘Women’s Education and its Significance for Development’ | 19-21 March, 2010 | UGC |
| Workshop on ‘Tagore on Gender and Development: Relevance and Implications for Contemporary Times’ jointly with Indian Social Institute, New Delhi | 30-31 July 2010 | UGC |
| Exhibition cum audio-visual on Women in Cinema jointly with department of Film Studies, Jadavpur University. | 3-5 February, 2011 | UGC |
| Workshop on ‘The Role of Women in | 21-23 March, 2011 | UGC |

| | | |
|--|----------------------|---------------|
| Rabindra Sangeet and Nritya-natya (1930-61)'- discussion cum demonstration jointly with Sangeet Bhavan, Visva-Bharati. | | |
| Workshop on 'Gender, Power and Representation' jointly organised with School of Women's Studies, Jadavpur University | 24- 25 March, 2011 | UGC |
| Workshop on 'Domestic Violence: Social and Legal Issues' | 27- 28 March, 2011 | UGC |
| Workshop on 'Women in Politics' jointly with Institute of Social Work, Kolkata | 27 August, 2011 | UGC |
| Workshop on 'Empowerment of Women and Political Awareness' jointly with Institute of Social Work, Kolkata | 20 September, 2011 | UGC |
| National seminar on 'Rumi and Rabindranath Tagore: Significance for Women in Contemporary Iran and India' in collaboration with Rumi Foundation, Santiniketan. | 3-4 November, 2011 | UGC |
| National seminar on 'Rights of Women: Legal and Social Dimension' | 23-25 November, 2011 | UGC |
| International Conference on 'Women's Creativity and Social Concern (<i>Ashramkanya</i> Amita Sen: 100 th Birth Anniversary Celebration) | 5-7 January, 2012 | UGC |
| National seminar on 'Relevance of B.R. Ambedkar in Modern Times: A Feminist Perspective' jointly with Sailajanand Falguni Smriti Mahavidyalaya, Khayrasole | 21- 22 January, 2012 | UGC |
| A conference on "Women and Rice Culture Deconstruction of Laxmi Vrat Katha" | 17 December, 2012 | Visva-Bharati |
| National Seminar on "Role of Women in Ancient Texts" | 8 March, 2013 | Visva-Bharati |
| A Conference on "Women Director in Contemporary Theater" | 24 March, 2013 | Visva-Bharati |
| Empowerment of Youth Generations in India' jointly with Hindi Bhavana | 16 April, 2013 | Visva-Bharati |
| a one-day conference on 'Debating Patriarchy: The Hindu Code Bill Controversy in India' | 2 September, 2013 | Visva-Bharati |

| | | |
|---|----------------------|---|
| A two-days National Seminar Achievements of Women in Indian Theatre | 9-10, February, 2014 | Visva-Bharati |
| Genderlogue on 'Social Media and the Gender Question' with Centre for Journalism and Mass Communication, Visva-Bharati in association with Friedrich Ebert Stiftung (FES), Germany on | April 8, 2014. | Friedrich Ebert Stiftung (FES), Germany |

31. Code of ethics for research followed by the departments: As per university guidelines

32. Student profile programme-wise: Not Applicable

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

33. Diversity of students: Not Applicable

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Not Applicable

35. Student progression: Not Applicable

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----------------------------|
| of the same university | -50 percent (one in number) |
| from other universities within the State | - |
| from universities from other States | 50 percent (One in number) |
| from universities outside the country | - |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

One: Ph.D. awarded in 2013.

38. Present details of departmental infrastructural facilities with regard to

- Library:** No
- Internet facilities for staff and students:** Yes
- Total number of class rooms:** Not yet
- Class rooms with ICT facility:** Not yet
- Students' laboratories:** Not yet
- Research laboratories:** Not yet

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university –** None
- from other institutions/ universities –** None

40. Number of post graduate students getting financial assistance from the university: Not Applicable

- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Not Applicable
- 42. Does the department obtain feedback from**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Offering M.Phil. programme 2015-16 onwards. Not yet.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Not yet
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback?** Not yet
- 43. List the distinguished alumni of the department (maximum 10):**
Not yet
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Not applicable
- Special Lectures:**
- i)** Guest lecture by Prof. Margarete Rubic, Institut fur Anglistik and Amerikanistik, Universitat Wien (Austria) jointly with the Department of English, Visva-Bharati on 'The first Professional English Women Writers (i.e. in the Restoration Period and early 18th century) on 1 September 2011.
 - ii)** Dr. Chitra Sinha, Academic Advisor based in Bahrain, delivered a lecture on "Law and Rights: For genders" on January 22, 2013. It was organized by Women's Studies Centre, Visva-Bharati at the Indira Gandhi Centre, Visva-Bharati.
 - iii)** a special lecture by Prof. Sheela Lavakare, former Professor at Jammalal Bajaj Institute of Management Studies, Mumbai University and Management Development Institution (MDI), Delhi on February 3, 2014 at Central Library Conference Hall. The topic of this special lecture was 'Gender Diversity in the Corporate Sector'
- 45. List the teaching methods adopted by the faculty for different programmes:**
Not Applicable
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**
Not Applicable

47. Highlight the participation of students and faculty in extension activities:

- a) A number of meetings were organised during October 2009 to March 2010 jointly with the members of SHGs from Basapara, Halsidanga, Mollarpur, Labhpur etc. The purpose of these meetings was to identify and to understand the problems of the rural women and issues which can be taken up for empowerment through training and workshop.
- b) Four day-long trainings on 'SHG- Bank Linkage' were organised on 3 August, 5 August, 21 September and 22 September, 2010 jointly with NABARD, Bolpur Branch to facilitate bank lending to SHGs. There were 50 participants and training was provided by faculties of NABARD Training Colleges, Bolpur. Microfinance in India- concept, formation, function and characteristic features of SHGs stages and development were discussed at length. The last session was devoted to micro-finance and its relation to women's empowerment and leadership development followed by open discussion.
- c) A Two day "Training on SHG-Bank Linkage Farmer's Club" was organised on 27-28 September, 2010 jointly with NABARD Bank, Bolpur Branch.
- d) A Health Consultation Camp for Adolescent Girls was organised on 14 February, 2011 at Islampur village in collaboration with PM Hospital, Visva-Bharati. The medical doctor visited the camp and provided consultation to about 22 girls within the age group of 10-26 mainly suffering from various gynaecological and malnutrition related problems and otherwise do not have access to doctors. Medicines were also provided by Tagoreland Rotary Club, Santiniketan.
- e) One week Stitching Training for SHGs jointly was organised on 21-27 February jointly with Silpa Sadana at Halsidanga Village. There were 10 participants taking one from each SHG.
- f) One week long Computer Training for young women (who have completed Class 10 level education) of Mollarpur, Halsidanga and Islampur jointly organised with Computer Centre, Visva-Bharati on 2-7 March, 2011.
- g) Several meetings were organised during April 2011- March 2012 with the members of SHGs and representatives of NGOs from Basapara, Halsidanga, Mollarpur, Labhpur etc. The purpose was to identify and to understand the problems of the rural women and issues which can be taken up for empowerment through training and workshop.
- h) Three one-day trainings on 'SHG- Bank Linkage' were organised on 29 June, 7 July and 8 July, 2011 at Islampur, Sekhampur Middle School, and Halsidanga jointly with NABARD, Bolpur Branch. The objective was to facilitate promotion and development of women SHG members. The faculties of

NABARD, Director of Women's Studies and research assistant participated as resource persons.

- i) An In-house Training programme was organised on 25-26 August, 2011 jointly with NABARD, Bolpur Branch. The objectives were to disseminate information about the role of SHGs in microfinance and how it results in women's empowerment, the microfinance in India- concept, formation, function and characteristic features of SHGs
- j) A number of meetings were organized during November, 2012 and March, 2013 by Prof. Manjurani Singh, Director of Women's Studies Centre, Visva- Bharati jointly with the members of Self-Help Group (SHG) from Suprity Society at Surul village near Sriniketan and other women villagers, representatives from NABARD as well as panchayat resource persons. The purpose was to identify and to understand the problems of rural women and issues which can be taken up for empowerment through training to be organized by Women's Studies Centre, Visva- Bharati.
- k) A one-day *kantha* stitch training program was organized by Women's Studies Centre, Visva-Bharati jointly with the NABARD on 9th November, 2012 at Surul village. It started with briefing on the program objectives: formation, function, and characteristics of SHGs, status of women were also discussed in detail. The other topics of discussion included the financial and other linkages, problem of banking, lack of synchronization between training and marketing, problems of group functioning within SHGs, norms, solution and support by the agencies etc. The clothes and threads were provided by Women's Studies Centre. The village women shared their own experiences about the struggles which they faced in joining the SHG. It was inferred that providing credit to these poor rural women can help them to take up small enterprise thus adding to their household income
- l) A number of meetings with the members of self-help-groups (SHGs) from Moldanga, Fuldanga, Ballavpur, Binuria, Surul and few other villages near Santiniketan, Birbhum as well as with the representatives of local non-governmental organizations (NGOs) were organized during June 2013 to Feb 2014 by the Director of Women's Studies Centre, Visva-Bharati and all staff members of W.S.C.
- m) A 45-days Skill Development Initiative Training on Tailoring programme was organized by Women's Studies Centre, Visva-Bharati in collaboration with Surul Suprity Society (NGO) during September 10, 2013 to November 17, 2013. For this training programme Women's Studies Centre, Visva-Bharati provided full financial support and training inputs. The training programme was

inaugurated on September 10 at 2.30 p.m. in the premises of Surul Suprity Society, Surul Pachim Para, Birbhum in the presence of rural women in and around Santiniketan. The participants were selected from different villages namely Surul, Binuria, Nichupatti, Kasim Bazar, Fuldanga, Moldanga, Sriniketan and most of them were Muslims. Professor Manjurani Singh, Director of Women's Studies Centre, Visva-Bharati inaugurated the programme by introducing the concept of "Empowerment".

- n) Women's Studies Centre, Visva-Bharati organized a four-days awareness training programme for the village women on 'Skill Development Initiative Training Programme on Handling Essential Household Affairs' supported by Surul Suprity Society from January 19 to January 22, 2014 in the premises of Surul Suprity Society, Surul Village, Birbhum, West Bengal. During this programme, the participants were taught the handling of L.P.G. and mobile phones. They were also made aware about Consumer Protection Act., usage of electrical home appliances, operating of banking system. After this training programme, the Director of Women's Studies Centre, Visva-Bharati provided certificate of participation to all trainees.

48. Give details of "beyond syllabus scholarly activities" of the department:

Not yet

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department is yet to offer academic programmes for students. The contribution of this Centre/department has been primarily in the area of applied research through extensive rural extension activities. Through these activities, this Centre have attempted to capacitate rural women for various income generation activities, organise meetings with rural SHG members and government functionaries to discuss the problems faced by rural people and suggest possible solutions, organise interventions for farming communities in collaboration with NABARD, spread awareness about basic household issues. Besides, this Centre has also organised several seminars, workshops, and lectures to explore gender issues in empowerment, legal matters, literature and culture etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) New department
- ii) The newly appointed two permanent staff have adequate knowledge in different areas of gender and development.
- iii) The academic staff have national and international expertise in developing course outlines.
- iv) Scope for inclusion of multidisciplinary perspective in teaching and research.
- v) Interest of the higher authorities to develop the Women's Studies Centre and the active support of the administration.

b) Weaknesses:

- i) Infrastructure (computers and printers, fund for purchasing books, journals and data/ departmental Seminar library etc.)
- ii) Limited number of staff (both academic and non-academic)
- iii) Inadequate space

c) Opportunities:

- i) New department, so scope for offering well-designed and updated academic programmes
- ii) Students having degrees in Social Sciences will find it advantageous to have an M.Phil degree in Women's Studies not only in pursuing further research in the areas of development but also employment in the national and international development sectors will be facilitated by this degree.
- iii) Scope for extensive field work based research.
- iv) As gender questions are assuming increasing academic and developmental concerns world over, possibilities of attracting national and international funding for appropriately structured research projects.
- v) Scope for extension programmes: working for the development of rural women through skill training, income generation activities etc.

d) Challenges:

- i) As this is an interdisciplinary subject, acquiring appropriate academic expertise through inter-department and external collaborations can pose a major challenge.
- ii) Acquiring appropriate readings and development of a proper seminar library

- iii) Financial challenge: adequate funding
- iv) Attracting externally funded research projects
- v) Distance from main campus and the central library

52. Future plans of the department:

The Women's Studies Centre can be visualized as a hub of interactions of intellectual ideas from different disciplines concerning the issues of gender. We propose to develop at our department as an academic centre of excellence as well as having implications for extension programmes.

We want to start the M.Phil and PhD programme from 2015-16 onwards. We are very particular in developing the Centre in terms of good quality research as well. Apart from conducting research projects to this end, we also plan to conduct regular study group interactions and seminars on our own research as well as from the colleagues working on gender in other departments of the University and outside the University. The Centre plans to publish working papers based on quality research on a regular basis. At regular intervals, we also would like to organise national and international seminars and conferences.

In the applied part, having the expertise of the Palli Samgathan Vibhaga of our University as well as the Performing Art departments, we plan to develop meaningful extension programmes for the women and men of the rural and peri-urban areas.

The Women's Studies Centre is also planning to offer mandatory gender sensitization course (as per UGC recommendation) for all undergraduate and postgraduate students of the University in collaboration with the Internal Complaints Committee of Visva-Bharati.

4. Declaration by the Head of the Institution

I hereby declare that the data included in this self-study report is true and correct to the best of my knowledge.

This report is prepared by the institution and I am not responsible for any error or omission made in the report.

I also declare that the data herein will be used for the information provided in this Self-Study Report only.


Signature of the Head of the Institution

with Seal


Seal of the Institution

Date: 05.09.2024



Visva-Bharati

Santiniketan 731235

INDIA

SELF-STUDY REPORT

Part - C

Vol. 3

Evaluative Report of the Departments

Submitted to
National Assessment and Accreditation Council
2014

C O N T E N T S

PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)

| | |
|-------------------------------------|------------|
| Palli Siksha Bhavana | 1 |
| Department: ASEPAN | 48 |
| Department: CIHAB | 71 |
| Department: EES | 89 |
| Department: Plant Protection | 105 |

VINAYA-BHAVANA (INSTITUTE OF EDUCATION)

| | |
|---------------------------|------------|
| Education | 124 |
| Physical Education | 139 |

Evaluative Report of the Palli Siksha Bahavana



The seed of Sriniketan was sown in the mind of Gurudev in 1890 when he was about 29 years old and was sent to Shilaidah by his father, Maharshi Devendranath Tagore to take charge of the family estates in eastern part of Bengal. There, for the first time he came in close contact with the village life. The poverty and misery left a deep impression in his mind and he decided that he must do something for the rural people and began to sketch all kinds of plans in his mind. At Shilaidah he had learnt the lesson that “we cannot help merely by our willingness to help. There is nothing so dangerous as inexpert service”. Gurudev sent his son Rathindranath Tagore and a friend’s son Santosh Chandra Majumdar to Illinois, USA in 1906 to study Agriculture and Animal Husbandry, respectively. In 1912, Rabindranath purchased the Kuthibari of Surul (present location of Rural Reconstruction Department – Palli Samgathana Vibhaga) which was a jungle infested and malaria ridden area. In 1923, Dairy farm was shifted from Santiniketan to Sriniketan and Poultry and Goatery units were added. The Dairy was originally started in 1901 with some cows and buffaloes with the idea that it would not only solve the problem of supplying pure and clean milk to ashrama

students but also by taking care of animals themselves, the ashrama students would gain some knowledge of animal husbandry. Next important event in the genesis of agricultural education at Sriniketan was Tagore's meeting with Leonard K. Elmhirst, an English youth, in 1920, while the latter was a student at Cornell University, U.S.A. Elmhirst fitted admirably to his plan who responded readily to share his work of bringing back life in its completeness to rural people. About that time a Japanese carpenter cum gardener Kashahara also joined. The Department of Agriculture and Village Economics (later named Palli Samgathan Vibhaga – Department of Rural Reconstruction) was formally inaugurated on February 6, 1922 with Elmhirst as the first Director. Rabindranath was very happy and confided to Elmhirst on March 1, 1922 that he wanted two things most at his school – a good art department and a good school of agriculture.

In 1957, in accordance with the recommendation of the **National Commission on Agriculture**, of which Sir Elmhirst was a member, an Institute of Rural Higher Education was set up at the present site of the Institute of Agriculture (Palli Siksha Bhavana) which was one of a few started all over India. The Institute offered a 3-year diploma course in rural services and a 2-year certificate course in **Agriculture** that time. The Institute was meant to produce rural leaders. However, later in September 1, 1963, Palli Siksha Sadana (College of Agriculture) was set up offering 4-year degree course in Agriculture and 3-year degree course in Social Science. Under the latest revised Act of the University, the college has been renamed as Palli Siksha Bhavana (PSB) in the year 1984.

1. **Name of the Institute :** Palli Siksha Bhavana (Institute of Agriculture)
2. **Year of establishment :** 1st September, 1963
The Bhavana comprises four composite academic departments viz.
 1. Department of Agronomy, Soil Science, Agril. Engineering, Plant Physiology and Animal Science (ASEPAN)
 2. Department of Crop Improvement, Horticulture and Agricultural Botany (CIHAB)
 3. Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES)
 4. Department of Plant Protection (PP)

All these departments started functioning in 1989. P.G. course in Agronomy was started in 1977 and later on Plant Protection (in 1987), Agricultural Extension (in 1991), Soil Science and Agricultural Chemistry (in 1996) and Horticulture (in 1997) were started.

Other non-academic sections include Agricultural Farm, Horticultural Farm, Dairy & Poultry Farm, PSB Library, Soil Testing Laboratory, Rathindra Krishi Vignan Kendra (RKVK, ICAR unit), AICRP on Weed (ICAR unit).

3. **Is the Department part of a School/Faculty of the university?**
It's a faculty under Visva-Bharati, a Central University of national importance.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**
UG : B. Sc. (Ag.)Hons (interdisciplinary with all the Departments of Bhavana).
PG : M. Sc. (Ag.) in the disciplines of Agronomy, Soil Science & Agricultural Chemistry, Horticulture, Agricultural Extension and Plant Protection
Ph. D. in respective disciplines of Agriculture by following traditional system (with course work).
5. **Interdisciplinary programmes and departments involved:**
 - a) The UG programme B. Sc. (Ag.) Hons, a 4-year degree course is offered jointly by all the four departments in an interdisciplinary approach.
 - b) Collaborative guidance of Ph. D. work among the departments of the institute as well as with other institutes of the University such as Institute of Science (Siksha Bhavana).
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
Our Ph. D. research work is conducted in collaboration with different departments of the Institute, other Institute of the University such as Institute of Science (Siksha Bhavana); State Agricultural Universities such as OUAT (Bhubaneswar), UBKV (Cooch Behar), BCKV (Kalyani), BAU (Ranchi), WBUAFS (Kolkata), Institute of Agricultural Science, University of Calcutta; Central Agricultural University (Imphal); ICAR Institutes such as CRIJAF (Barrackpore), IISR (Lucknow), CTCRI (Bhubaneswar), CARI (Port Blair), Horticulture Research Institute(Patna), IARI (New Delhi), NBPGR (New Delhi); State Research Institutes such as PORS (Berhampur), RRS (Chinsura) and other institutes such as Central Sericulture Research & Training Institute (Berhampore, WB).
7. **Details of programmes discontinued, if any, with reasons:**
There has been no such programme which has been discontinued.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Semester wise Choice based Course Credit System of Examination is followed in case of UG and PG programmes as per ICAR regulations, however, Ph. D. programme is offered with one semester course work as per UGC regulations.
9. **Participation of the department in the courses offered by other departments:**
 - a) Faculties of the institute are engaged in taking classes of Farm Science course of Social Work (BSW programme) of the Department of Social Work under the

Institute of Rural Reconstruction (Palli Sangathan Vibhaga), Work Education-Horticulture (Vinay Bhavana).

- b) Some faculties are involved in sharing classes/project work of the course Environmental Sciences offered by the Department of Environmental Sciences, Institute of Science (Siksha Bhavana) and Tagore Studies offered by Rabindra Bhavana at UG level.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|------------------------------------|------------|--------|------------------------------------|
| Professors | 5 | 4 | 16 |
| Associate Professors | 14 | 10 | 10 |
| Asst. Professors | 39 | 34 | 22 |
| Others | | | |
| Scientist, Soil Testing Laboratory | 2 | 0 | 0 |
| Scientist, AICRP-Weed Control | 3 | 2 | 2 |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D./ M.Phil. students for the last 4 years |
|------------------------|---------------|------------------|----------------|----------------------------|---|
| Dept. of ASEPAN | | | | | |
| Prof. A. K. Barik | Ph. D | Professor | Agronomy | 20 | 5 |
| Prof. B. K. Saren | Ph. D | Professor | Agronomy | 18 | 1 |
| Dr. B. Duary | Ph. D | Assoc. Professor | Agronomy | 15 | 3 |
| Dr. G. C. Malik | Ph. D | Assoc. Professor | Agronomy | 13 | 4 |
| Dr. S. K. Maity | Ph. D | Asst. Professor | Agronomy | 9 | 2 |

| | | | | | |
|------------------------|----------|------------------|--------------------|----|--------------------|
| Dr. K. Pramanik | Ph. D | Asst. Professor | Agronomy | 8 | 1 |
| Dr. (Mrs.) M. Banerjee | Ph. D | Asst. Professor | Agronomy | 6 | - |
| Dr. N. C. Sarkar | Ph. D | Asst. Professor | Agronomy | 6 | - |
| Prof. A. K. Chatterjee | Ph. D | Professor | Soil Science | 27 | 2 |
| Prof. S. R. Mitra | Ph. D | Professor | Agril. Chemistry | 28 | 3 |
| Prof. G. K. Ghosh | Ph. D | Professor | Soil Science | 17 | 1 |
| Dr. P. K. Biswas | Ph. D | Assoc. Professor | Soil Science | 13 | 4 |
| Dr. (Mrs.) S. Mondal | Ph. D | Asst. Professor | Soil Science | 9 | - |
| Dr. Y. V. Rao | Ph. D | Asst. Professor | Biochemistry | 7 | 3 |
| Dr. M. K. Kundu | Ph. D | Asst. Professor | Soil Science | 5 | Joined VB recently |
| Prof. S. K. Pyne | Ph. D | Professor | Animal Science | 28 | - |
| Dr. J. K. Chatterjee | Ph. D | Assoc. Professor | Animal Science | 25 | - |
| Dr. R. Moitra | Ph. D | Assoc. Professor | Agril. Engineering | 32 | 1 |
| Dr. P. Kandasamy | Ph. D | Asst. Professor | Agril. Engineering | 10 | Recently completed |
| Dr. K. C. Swain | D. Engg. | Asst. Professor | Agril. Engineering | 6 | Joined VB recently |
| Dr. D. Panda | Ph.D. | Asst. Professor | Plant Physiology | 9 | Recently completed |
| Dr. (Mrs.) S. Mondal | Ph. D. | Asst. Professor | Plant Physiology | <1 | - |
| Dept. of CIHAB | | | | | |
| Prof. P.S. Munsii | Ph. D | Professor | Horticulture | 32 | 11 |
| Dr. S. Chakravorty | Ph. D | Assoc. Professor | Horticulture | 18 | 4 |

| | | | | | |
|-------------------------|--------|------------------|------------------|-----|--------------------|
| Dr. G. Mandal | Ph. D. | Assoc. Professor | Horticulture | 15 | Joined VB recently |
| Dr. J. Mandal | Ph. D | Asst. Professor | Horticulture | 9 | 5 |
| Dr. Prahlad Deb | Ph. D | Asst. Professor | Horticulture | 1 | Joined VB recently |
| Prof. P. C. Kole | Ph. D | Professor | Genetics & Plant | 21 | 5 |
| Dr. A. Paul | Ph. D | Assoc. Professor | Genetics & Plant | 14 | 9 |
| Dr. N.R. Chakraborty | Ph. D | Asst. Professor | Genetics & Plant | 3 | Joined VB recently |
| Dept. of EES | | | | | |
| Prof. S. Chowdhury | Ph.D. | Professor | Agril.Extension | 24 | 9 |
| Prof. S. Ghosh | Ph. D | Professor | Agril.Extension | 13 | Joined VB recently |
| Dr. S. D. Mukhopadhyaya | Ph. D | Asst. Professor | Agril.Extension | 18 | 2 |
| Dr. (Mrs.) A. Saha | Ph. D | Asst. Professor | Agril.Extension | 9 | 1 |
| Prof. B. C. Roy | Ph. D | Professor | Agril. Economics | 17 | 5 |
| Dr. D. Sarkar | Ph. D | Assoc. Professor | Agril. Economics | 11 | 2 |
| Mr. B. Mondal | M. Sc. | Asst. Professor | Agril. Economics | < 1 | Joined VB recently |
| Dr. S. K. Sori | Ph. D | Asst. Professor | Agril. Economics | < 1 | Joined VB recently |
| Prof. D. Bhattacharya | Ph. D | Professor | Statistics | 24 | 4 |
| Dr. D. S. Dhakre | Ph. D | Asst. Professor | Statistics | 1 | Joined VB recently |
| Dept. of PP | | | | | |
| Prof. N. C. Mondal | Ph. D | Professor | Plant Pathology | 31 | 3 |
| Dr. R. Nath | Ph. D | Assoc. Professor | Plant Pathology | 15 | 1 |

| | | | | | |
|---|--------------|--------------------------|---------------------------|----|----------------------|
| Dr. M. K. Biswas | Ph. D | Asst. Professor | Plant Pathology | 9 | 2 |
| Dr. B. Mandal | Ph. D | Asst. Professor | Plant Pathology | 4 | - |
| Prof. K. Baral | Ph. D | Professor | Agril. Entomology | 30 | 3 |
| Prof. H. Chatterjee | Ph. D | Professor | Agril. Entomology | 19 | 4 |
| Dr. P. Mandal | Ph. D | Asst. Professor | Agril. Entomology | 11 | 4 |
| Dr. (Mrs.) S. Bhattacharya | Ph. D | Asst. Professor | Agril. Entomology | 1 | Joined VB recently |
| AICRP on Weed Control (ICAR) | | | | | |
| Dr. D. C. Mondal | Ph. D. | Asst. Taxonomist | Taxonomy | 24 | No scope of research |
| Mr. Abul Hossain | M. Sc. (Ag.) | Asst. Agronomist | Agronomy | 22 | No scope of research |
| Faculties retired/deceased/left the institute during the assessment period | | | | | |
| Prof. D. Sanyal | Ph. D. | Professor | Horticulture | 22 | 2 |
| Prof. S. Chakraborty | Ph. D. | Professor | Statistics | 34 | 1 |
| Dr. G. N. Chattopadhyay (retired on | Ph. D. | Principal Scientist-cum- | Soil Fertility Management | 41 | 3 |
| Prof. S. B. Mukhopadhyay | Ph. D. | Professor | Agril. Extension | 30 | 3 |
| Prof. G. C. De (retired on | Ph. D. | Professor | Agronomy | 41 | 3 |
| Prof. D.C. Ghosh | Ph. D. | Professor | Agronomy | 34 | 8 |
| Prof. K. M. B. Rahim | Ph. D. | Professor | Agril. Economics | 33 | 4 |
| Dr. J. S. Bhat (left on 2010) | Ph. D. | Asst. Professor | Genetics & Plant Breeding | 6 | - |

| | | | | |
|---------------------------------|--------|-----------|---------------------|---------------------------------|
| Prof. D. Basu (left on 2011) | Ph. D. | Professor | Agril. Extension | Served VB for 1 year on lien |
|---------------------------------|--------|-----------|---------------------|---------------------------------|

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Following dignitaries have visited our institute since 2009 on different occasions.

Prof. M.S. Swaminathan , Renowned Agricultural Scientist

Sri M. K. Narayanan, Hon'ble Governor, West Bengal and Rector, Visva-Bharati

Dr. S. Ayappan, DG, ICAR, New Delhi

Prof. L. N. Mandal, Former Vice- Chancellor, BCKV

Prof. Aminul Islam, Former Vice -Chancellor, Dhaka University

Prof. D. Dasgupta, Former Vice-Chancellor, BCKV

Prof. Sujit Kumar Basu, Former Vice -Chancellor, Visva-Bharati

Prof. Saroj K. Sanyal, Former Vice -Chancellor, BCKV

Prof. Asim C. Sinha, Vice-Chancellor(Officiating), UBKV

Dr. J. Timsina, IRRI-Bangladesh

Prof. Sisir K. Mukhopadhyay, Emeritus Professor of Visva-Bharati

Prof. Humbarto Gonzalez Rodriguez, UNAL, Mexico

Dr. S. K. Datta, DDG (Crop Science), ICAR, New Delhi

Dr. C. Devkumar, ADG, ICAR, New Delhi

Dr. A. K. Singh, Zonal Director, ICAR

Mr. Suresh Chander, DG, FAI, New Delhi

Dr. A. R. Sharma, Director, Directorate of Weed Science Research, ICAR

Dr. Dilip Kumar Lakshman, USDA-ARS, USA

Prof. Peter S. Cornish, Retd. Professor, University of Western Sydney

Dr. Pat Wall, CIMMYT, Mexico

Dr. Ravi Gopal Singh, Director of Research, BAU, Bhagalpur

Dr. Ashutosh Sarkar, ICARDA

Dr. John Dixon, ACIAR

Dr. Kuhu Chatterjee, Regional Manager, ACIAR south Asia

Dr. Gopi Nath Ghosh, FAO

Dr. S. J. Jambulkar, BARC

Dr. P. K. Mukherjee, BARC

13. Percentage of classes taken by temporary faculty – programme-wise information:

| Programmes | Courses | Name of the faculty | Period | Percentage of classes taken (approx.) |
|------------|-----------------|---------------------|------------|---|
| PG | Library Science | Prof. Partha Pratim | Since 2012 | 50 |

| | | | | |
|----|--------------------------|---|--------------------------------|----|
| | | Roy (Vinay Bhavana, Visva-Bharati) | | |
| PG | English Writing Skill | Mr. Biswanath Banerjee (Research Scholar, DEOMEL, Vidya Bhavana, Visva-Bharati) | Since 2012 | 50 |
| UG | Horticulture courses | Dr. Prahlad Deb | 06.11.2011 to 25.11.2012 | 35 |
| PG | Horticulture | Dr. Prahlad Deb | 06.11.2011 to 25.11.2012 | 35 |

14. Programme-wise Student Teacher Ratio:

| Programmes | Student:Teacher (cumulative) | Remarks |
|-----------------|------------------------------|--|
| UG, PG & Ph. D. | 8.2 : 1 | There are no separate teachers for different programmes. Same teachers are engaged in UG, PG and Ph.D. programmes. |

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

| Designation | Sanctioned | Filled | Vacant |
|--------------------|------------|--------|--------|
| Non-Teaching Staff | 83 | 42 | 41 |
| Technical Staff | 27 | 19 | 8 |

16. Research thrust areas as recognized by major funding agencies:

- Drought management in crop
- Weed Control in crops and cropping systems
- Weed Surveillance
- Agro-techniques of medicinal and aromatic plants
- Post-harvest technology of Horticultural crops
- Site specific nutrient management
- Mutation breeding

- h) Parthenium control and awareness
- i) GIS based soil fertility mapping
- j) Integrated nutrient management of commercial crop

17. Number of faculty with ongoing projects from

- a) National funding agencies: 4
- b) International funding agencies: 2
- c) Total grants received: **300.096 lakhs**

Give the names of the funding agencies, project title and grants received project-wise.

| Funding agencies | Project title | Grants received |
|--|---|-----------------|
| National | | |
| Dept. of ASEPAN | | |
| CRIJAF, ICAR, New Delhi | Drought management of jute under deficit rainfall areas (completed in 2011-12) | 13.45 lakhs |
| ICAR, New Delhi | All India Coordinated Research Programme on Weed Control | 37 lakhs /year |
| Ministry of Agriculture and Cooperation, Govt. of India | National Invasive Weed Surveillance (NIWS) Project (Completed in September, 2010) | 12 lakhs |
| CSIR-CSMCRI | Evaluation of fertilizer potential of sea weed saps on different crops | 8.52 lakhs |
| Dept. of CIHAB | | |
| National Horticulture Board | Cultivation of citronella and palmarosa in the farmers fields under the scheme "Introduction of new technology and concept of Horticulture" | 6.822 lakhs |
| National Mission on Medicinal Plants, Govt., of India. | Establishment of model nursery for medicinal plants | 4.00 lakhs |
| Bhabha Atomic Research Centre, Department of Atomic Energy, Govt. of India | Effect of irradiation and packaging on sapota fruits (<i>Achras zapota</i> L.) under different storage condition | 24.855 lakhs |

| | | |
|--|---|---------------------------|
| Bhabha Atomic Research Centre, Department of Atomic Energy, Govt. of India | Genetic improvement of sesame through induced mutation | 19.749 lakhs (sanctioned) |
| Dept. of EES | | |
| Indian Council of Agricultural Research | “Socio-economic Institutional and Gender Issues Influencing Spatiotemporal Variation and Sustainability of Participatory Irrigation Management Reforms in India” – under ICAR’s Lal Bahadur Shastri Young Scientist Award-2011 to Dr. Souvik Ghosh. | 35.0 lakhs |
| Dept. of PP | | |
| Ministry of Agriculture and Co-operation, Government of India | “Strengthening and Modernization of Plant Quarantine Facilities in India” (In joint collaboration with Agro-Economic Research Centre, Santiniketan) | Rs. 17.8 lakhs |
| International | | |
| Soil Testing Laboratory | | |
| International Plant Nutrition Institute | GIS based spatial variability mapping of agricultural holdings for precision nutrient management in red and lateritic soil zone. | 5.94 lakhs |
| Dept. of ASEPAN | | |
| International Plant Nutrition Institute | Nutrient optimization and yield intensification of major cereal systems of eastern India | 3.96 lakhs |

18. Inter-institutional collaborative projects and associated grants received :

a) National collaboration:

- i) Technology Mission on Jute (MM-1.5) collaborative project with CRIJAF (ICAR), Barrackpore and grant received Rs.13.45 lakhs.

b) International collaboration:

- i) A team from Australian Centre for International Agricultural Research (ACIAR) had visited and interacted with our faculties in the year 2011 to plan an international inter-institutional collaborative research and developmental project.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: 68.774 lakhs

| Funding agencies | Project title | Grants received |
|---|---|------------------------|
| Soil Testing Laboratory | | |
| Department of Science and Technology (Govt. of India) | Large scale demonstration of vermicomposted fly ash in agriculture. Funded by. Grant amount: Rs. / | 16.212 lakhs |
| Bakreswar Thermal Plant (WPDCL) | Identification of major factors controlling pH values of water resources of Bakreswar. | 0.979 lakhs |
| Essar Oil Ltd | Water quality assessment of coal bed water for providing irrigation in agriculture. (collaborated with the Dept. of EES) | 2.772 lakhs |
| Dept. of ASEPAN | | |
| Makhtesim Agan India Pvt. Ltd., Hyderabad | Bioefficacy of propaquizafop in jute (EPJ). | 1.98 lakhs |
| Crystal Crop Protection Pvt. Ltd., New Delhi | Bioefficacy of Bensulfuron-methyl in transplanted Rice (BBTR) | 5.28 lakhs |
| Crystal Crop Protection Pvt. Ltd., New Delhi | Bioefficacy of Bispyribac sodium in Rice (BBSR) | 3.19 lakhs |
| Syngenta | Bio+Phytotoxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario (collaborated with the Dept. of Plant Protection) | 8.2 lakhs |
| Bayer | Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario | 5.58lakhs |
| Dept. of CIHAB | | |
| Krishi Rasayan Pvt. Ltd. Kolkata | Assessment of efficiency of EL++ in increasing marketable yield of selected cucurbitaceous vegetable crops | 0.374 lakhs |

| | | |
|---|---|--------------|
| Krishi Rasayan Pvt. Ltd. Kolkata | Assessment of efficiency of EL++ in increasing marketable yield of mango | 0.396 lakhs |
| Food processing and Horticulture, Govt. of West Bengal | Effect of vermicompost on integrated nutrient management of root vegetable crops in red and lateritic soil zones | 2.347 lakhs |
| Krishi Rasayan Pvt. Ltd. Kolkata | Assessment of EL ++ in increasing marketable yield of selected vegetable crops | 0.40 lakhs |
| Coromandel International Ltd. | Collaborative trial programme for slow releasing micronutrients. | Rs. 38,500/- |
| Seminis Vegetable Seeds (India) Pvt. Ltd. (Completed in 2009) | Collaborative research programme for evaluation of cucumber, egg plant and okra hybrids | Rs. 56,100/- |
| Dept. of EES | | |
| Dept. of Agriculture, Govt. of West Bengal | Intensive Sugarcane Research Project | 5.97 lakhs |
| Dept. of PP | | |
| Grace Bio-Care Pvt. Ltd., Kolkata | Bio-efficacy of Grace Hume 12% (based on Humic acid) and Bloomer NB (based on Nitro Benzene 35%) for sustainable production of Lady's finger (<i>Abelmoschus esculentus</i>). | 0.89 lakhs |
| Grace Bio-Care Pvt. Ltd., Kolkata | Investigation of some bio-enriched molecules for the management of potato pests and diseases | 0.723 lakhs |
| Crystal Crop Protection Pvt Ltd. | Bioefficacy of Fipronil 80% WG against two important insect-pests of rice and Bioefficacy of Acephate 75% SP against some major pests of rice. | 3.5 lakhs |
| P. I. Industries | Evaluation of insecticides and other pesticides on major pests and diseases of different crops in red and lateritic zone of West Bengal. | 1.65 lakhs |
| Crystal Crop Protection Pvt. | Evaluation of insecticides and fungicides against some insect pests and diseases along with their phytotoxicity on different crops. | 5.0 lakhs |

20. Research facility / centre with

- State recognition: Soil Testing Laboratory
- National recognition:
 1. Rathindra Krishi Vignan Kendra (ICAR)
 2. All India Coordinated Research Project on Weed control (ICAR)
 3. Plant Tissue Analysis Facility (National Horticulture Mission)

There is no research facility / centre with international recognition at our institute.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil**22. Publications:**

- a) Number of papers published in peer reviewed journals (national/international): **420**
- b) Monographs/ bulletins: **28**
- c) Chapters in Books: **78**
- d) Edited Books: **27**
- e) Books with ISBN with details of publishers

| | | | |
|--|------|--|---|
| Chakrabarty, S, Roy Chowdhury, N and Munsil, P. S. | 2010 | Studies on Post Harvest handling of Gerbera, Gladiolus and Tuberose | LAB LAMBERT Academic Publishing, Saarbrücken, Germany, ISBN: 978-3-8383-8495-5 |
| Brahmanand P.S., Ghosh Souvik, Kumar, Ashwani, Parswal, B.S. | 2010 | “ ” - Globalisation and Indian Food Security, | Directorate of Water Management (ICAR), Bhubaneswar. P 158. (ISBN-978-81-910947-0-1). |
| Kandasamy, P. | 2013 | Studies on Farm-Mat drying of Papaya (<i>Carica papaya</i>) fruit. | LAB LAMBERT Academic Publishing, Saarbrücken, Germany, ISBN: 978-3-659-37432-6 |
| Swain, K.C. | 2013 | Precision Agriculture Technology Application | LAB LAMBERT Academic Publishing, Saarbrücken, Germany, ISBN: 978-3-659-47275-6 |
| Sarkar, D. | 2012 | <u>Agricultural Policy in West Bengal: A Policy Matrix</u> | LAP LAMBERT Academic Publishing, |

| | | | |
|-----------------------------------|------|---|---|
| | | | Germany. |
| Khatun, Dilruba and Roy, B.C. | 2012 | Rural Livelihood Diversification in West Bengal. | LAP-LAMBERT Academic Publishing, Germany (ISBN 978-3-659-22075-3) |
| Mandal, B. and Chandel, B. S. | 2012 | Economic Efficiency of Milk Production in Eastern India: A Quantitative Approach. | LAP-LAMBERT Academic Publishing, Germany (ISBN 978-3-659-21159-1). |
| Bhattacharya, D. and Roychowdhury | 2013 | Decision making with data | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-81-3) |
| Bhattacharya, D. and Roychowdhury | 2013 | Exploring data | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-80-6) |
| Bhattacharya, D. and Roychowdhury | 2013 | Practical Statistics (3 rd Edn.) | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-86-8) |
| Bhattacharya, D. and Roychowdhury | 2012 | Inferential Statistics | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-60-8) |
| Bhattacharya, D. and Roychowdhury | 2011 | Managerial Statistics | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-45-5) |
| Bhattacharya, D. and Roychowdhury | 2010 | Statistics: Theory and Practices (3 rd Edn) | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-02-8) |
| Bhattacharya, D. and Roychowdhury | 2012 | Probability and Statistical Inference (2 nd Edn) | U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-01-1) |
| Bhattacharya, D. and Roychowdhury | 2011 | Statistics in Social Science and Agricultural Research | Concept Publishing Company Pvt. Ltd., in press (ISBN 978-81-8069-822-4) |
| Mondal, B. | 2012 | Pathogenic Menace for Brinjal Cultivation in West Bengal: Bacterial Wilt of Brinjal | LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany; 978-3-659- |

| | | | |
|--|------|--------------------------------------|--|
| | | | 19234-0 |
| Kumar R, Mondal, P. and Chakravarty, M K | 2012 | Management of gram poder in chickpea | LAP LAMBERT Academic Publishing, Germany; ISBN 978-3-659-13695-5 |
| Maiti, R.K. and Sarkar, N.C | 2012 | Advances in Agro-technology | Puspa Publishing House, Kolkata (ISBN 978-81-920073-6-6) |
| Maiti, R.K. and Sarkar, N.C | 2010 | Advances in Rice Science | New Delhi publishers, New Delhi (ISBN 978-81-907421-5-3) |

f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **149**

g) Citation Index – range / average: **80**

h) SNIP

i) SJR

j) Impact Factor – range / average: **0 - 6.91**

k) h-index: **4 - 7**

23. Details of patents and income generated:

Patent for product/process is yet to be explored. However, Rathindra Krishi Vignan Kendra has identified some indigenous genotype of banana and coconut with distinguished quality attributes and is under the process of documentation.

24. Areas of consultancy:

Faculties of the institute provide career counselling and guidance to the students for the preparations of ICAR-Junior Research Fellowship Examination, ICAR-Senior Research Fellowship Examination, ICAR-NET Examination and competitive examinations such as Agricultural Research Service Examination, West Bengal Agricultural Administrative Services without any additional remuneration.

Free consultancy to the farmers over telephones, by appointments and personal contacts by the faculties.

Faculties of Palli Siksha Bhavana take part regularly in vocational training, farmers' training, entrepreneurship development training and training for extension personnel are being conducted by the Rathindra Krishi Vignan Kendra (RKVK).

Regular soil testing service to the farmers and researchers by the Soil Testing

Laboratory.

Weed survey and surveillance are done in different crops, cropping systems, non-cropped areas and aquatic bodies in different agro-climatic zones of West Bengal by the scientists of AICRP-Weed Control, an ICAR sponsored centre. Regular awareness programme on Parthenium weed in the surrounding localities by AICRP-Weed Control centre in conjunction with faculties and students of the institute.

Advisory service to farmers regarding weed menace and control measures in crops and cropping systems by AICRP-Weed Control centre.

The Agricultural Farm caters to some extent good quality seeds of high yielding varieties of common field crops grown locally at reasonable lower price.

The Horticultural Farm of the institute raises and freely supplies grafted saplings of fruit trees to the local members of Self Help Group on the occasion of *Hala Karshana*, the Festival of Ploughing each year.

Areas of income generation:

An income of approx. Rs.25000/- each year by leasing of the mango orchard by the Agricultural Farm.

Around 1 lakh income by the Agricultural Farm from its different agricultural production.

An income of approx. 5000/- each year by the Dairy Farm of the institute.

Income by Horticultural Farm approx. Rs. 25000-30000/-

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Faculties visiting other laboratories / institutions / industries in India:

The faculties of the Institute visited following universities and research institutes in connection with participating seminar/symposium, conducting examinations and participating training courses etc. during 2009 to till date:

| Universities | |
|----------------------------------|------------------------------|
| BCKV (Kalyani) | MPUAT, Udaipur |
| UBKV (Cooch Behar) | SKUAT, Srinagar |
| CAU (Imphal) | GAU, Anand |
| OUAT (Bhubaneswar) | AAU, Jorhat |
| UAS (Bangalore) | IGAU, Raipur |
| TNAU (Coimbatore) | BAU, Ranchi |
| KAU (Kerala) | Jadavpur University, Kolkata |
| HPKVV (Palampur) | ANGRAU, Hyderabad |
| Andhra University, Visakhapatnam | NBU, Siliguri |

| | |
|--|---|
| Devi Ahalyabai Visva Vidyalyaya, Indore, Punjab University, Chandigarh PAU,Ludhiana HAU Hissar ANGARU, Hyderabad UAS, Dharward, Karnataka University of Hyderabad | UAS, Bangaluru, Karnataka MAU, Parbhani , Maharashtra KKV, Dapoli, Maharashtra MPAU, Rahuri, Maharashtra YSPUHF, Solan, Himachal Pradesh Navsari Agricultural University, Navsari, Gujarat |
| Research Institutes | |
| IARI, New Delhi CRIJAF (Barrackpore) CIMAP, Lucknow DWR, Karnal CRIDA, ICAR and ICRISAT Hyderabad | CAZRI, ICAR ,Rajasthan CPRI NEH Station, Shillong NIRJAFT, Kolkata National Institute of Nutrition, Hyderabad IIHR, Bangaluru |

Faculties visiting other laboratories / institutions / industries in abroad:

Prof. P. S. Munsu visited Wageningen University & Research Centre/Applied Research at Lisse, Dee Ree(Lisserbroek), Maas & Van Steijn (Hillegom), Paauw Lelies BV(Rijnsburg) and Keukekenhof. in the Netherland. He also visited International Flower Auction Centre, Alsmier in 2008.

Prof. P. S. Munsu visited Bangladesh Agricultural University, Mymensingh during 2009.

Prof.P. S. Munsu also visited Universitat Politècnica de Catalunya and different Private nurseries, compost factories nearby Barcelona,Spain in 2011.

Prof. S. K. Pyne visited Las Vegas and Institute of Los Angeles and Chicago in USA during 21-29th July, 2013.

Dr. B. Duary visited Cairns, Austrailia-2011 and Padjadjaran University, Bandung, Indonesia-2013

Prof. D. Bhattacharya visited University of California-Davis, USA

Prof Hirak Chatterjee visited research laboratories for Medfly mass rearing facility at Caudete de las Fuentes, IVIA experimental station and release facility at Moncada, Spain in 2010.

Dr. Mohan Kumar Biswas visited Dhaka Agricultural Research laboratories in 2011.

Dr. Prahlad Deb visited University Ruhuna, Mapalana, Srilanka in 2013.

26. Faculty serving in a) National committees b) International committees

c) Editorial Boards d) any other (please specify)

| a) Faculty serving in National Committees: | |
|--|---|
| Prof. P. S. Munsî | Member (Executive/Committee of scientific societies & organization like National Horticulture Board) Expert Member for designing Applied Oriented Course in Horticulture, IGNOU, New Delhi |
| Prof. D. Bhattacharya | Member of State Implementation committee for state libraries |
| Prof. B. K. Saren | External Expert Member of Assessment Committee for promotion of Technical Posts by ASRB, ICAR, New Delhi |
| Dr. B. Duary | Member of the executive committee of the Crop and Weed Science Society Councillor (West Bengal) of India Society of Weed Science Councillor (West Bengal) of India Society of Agronomy |
| b) Faculty serving in International Committees: | |
| Prof. P. S. Munsî | Member of Selection committee in Bangladesh Agricultural University. |
| Prof. P.S.Munsî | Life member of International Society of Horticultural Sciences |
| Dr. B. Duary | Member of International Weed Science Society |
| c) Faculty serving in Editorial Boards: | |
| Prof. P.S. Munsî | 1. Acted as an executive member in the council of National Societies and in their Editorial Board 2. Member (of editorial board) as well as referees of various journals of reputation 3. Member, Editorial Board, Annual Report, Visva-Bharati |
| Prof. D. Bhattacharya | Editor of the Journal <i>Stochastic Modeling and Applications</i> Managing Editor of <i>International Journal of Statistics and Management System</i> |
| Prof. S. Chowdhury | Editorial Board, ARCC Journal (ISSN 0367-8245) |
| Prof. S. Ghosh | Member, Editorial Board, Journal of Community Mobilisation for Sustainable Development, ATIC, IARI, New Delhi. Associate Editor, Indian Research Journal of Extension |

| | |
|---|---|
| | Education, Society of Extension Education, Agra, UP Member of the Editorial Board, Journal of the Indian Society of Coastal Agricultural Research, Indian Society of Coastal Agricultural Research, CSSRI Regional Research Station, Canning Town, West Bengal |
| Prof. B. C. Roy | <i>Editor</i> , International Journal of Social Science, New Delhi |
| Dr. D. Sarkar | Editor, Journal of Social Science Studies, Macrothink Institute, USA. Editor-in-Chief, International Journal of Social Science, New Delhi |
| Dr. D. S. Dhakre | Editor, Indian Research Journal of Extension Education |
| Dr. S. D. Mukhopadhyay | Editor, Indian Research Journal of Extension Education |
| Dr. P. Mondal, Dr. B. Mondal and Dr. D. S. Dhakre | <i>Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038)</i> |
| Dr. B. Mondal | <i>Editor-in Chief of the Journal 'Green Technology' (ISSN 0973-2624).</i> <i>Reviewer of the Journal of Interacademia (ISSN 0971-9016).</i> |
| Dr. B. Duary | Member of the Editorial Board, Indian Journal of Weed Science |
| Dr. N. C. Sarkar | Managing Editor, <i>International Journal of Bio-resource and Management</i> |
| d) Faculty serving in any other: | |
| Prof. P. S. Munsii | Acted as reviewer for evaluation of publication on the manuscript entitled "Manual for Hi-tech floriculture" published by University of Calcutta and also acted as reviewer of CSIR journals on medicinal plants. |
| Prof. P. C. Koley | acted as reviewer for five Foreign journals |
| Dr. B. Duary | Resource Person of ICAR in 2010 and 2011 for presenting the network activities (Transfer of Technology) of 22 AICRP-Weed Control centres. |
| Prof. D. Bhattacharya | Reviewer of many journals published by Elsevier, Wiley, Taylor and Francis, Springer and IOS press, Netherland. |
| Prof. K. Baral | Serving as an External Expert in selection committees for selection of teachers in various Universities. He also act as |

| | |
|---------------------|---|
| | Reviewer of various Journals viz; Journal of Plant Protection and Environment . OUAT, Orrissa; Indian Journal of Entomology, IARI, New Delhi. |
| Prof. S. Ghosh | Reviewer, of Journal of Agricultural Education and Extension (Routledge Pub., Netherlands), during 2012-13. Reviewer, Water Policy (International Water Association Pub.,USA), during 2012. Reviewer, <i>Irrigation and Drainage</i> (Wiley-Blackwell Pub. United Kingdom), during 2011-12. Reviewer, Journal of Agricultural Education and Extension (formerly known as European Journal of Agricultural Education and Extension), Wageningen University, The Netherlands (during 2007). External Expert for Reviewing / Evaluation of Research Project (SWE-2002-108), Swedish Development Research – Assessment of Applications, Swedish International Development Cooperation Agency (Sida), Stockholm (during 2005). |
| Prof. H. Chatterjee | Serving as Nodal Officer for NISAGENET, ICAR, New Delhi from PSB, Visva-Bharati. Councillor of the Journal of Plant Protection and Environment . OUAT, Orrissa, Bhubaneswar since 2007. Reviewer of various Journals viz; Journal of Plant Protection and Environment . OUAT, Orrissa; Indian Journal of Entomology, IARI, New Delhi., ‘Insect Science’ PAU, Ludhiana and Journal of Plant Protection Sciences, BCKV, WB |
| Dr.J.Mondal | acted as reviewer for two Foreign journals |
| Dr N.R.Chakraborty | acted as reviewer for one Foreign journal |
| Dr. Amitava Paul | acted as reviewer for two national level journals |
| Dr. Goutam Mondal | acted as reviewer three national level journals |

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| Name of faculty | Programme(s) attended | Duration (days) | Sponsored by |
|--|--|-----------------|-----------------------------|
| Dr. B. Duary and Dr. G. C. Malik, Dr. P. | UGC sponsored 15 th Refresher Course on Environmental | 21 days | UGC Academic Staff College, |

| | | | |
|---|---|---------|---|
| Mandal, | Science, 2009 | | Burdwan |
| Dr. M. Banerjee, Dr. (Mrs.) A. Saha, Dr. Mandal and Dr. B Mondal, Dr. (Mrs.) S. Mondal, Dr. K. Pramanik | UGC sponsored 18 th Refresher Course on Environmental Science, 2011 | 21 days | UGC Academic Staff College, Burdwan |
| Dr. M. Banerjee | UGC sponsored 71 st Orientation Course 2010 | 28 days | UGC Academic Staff College, Burdwan |
| Dr. Y. V. Rao | UGC sponsored 4 th Refresher Course in Life Sciences, Nov. 3 – 23, 2012 | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. Y. V. Rao | UGC sponsored 78 th Orientation Program, Jan.11 – Feb.7, 2011 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. S. K. Maity And Dr. M. K. Biswas | UGC sponsored Refresher Course Agricultural Science, 2011 | 21 days | BHU, Varanasi, UP |
| Dr. S. K. Maity | ICAR short course on Participatory Research Appraisal at Karnal, 2011 | 10 days | DWR, Karnal, Haryana |
| Dr. S. K. Maity | ICAR short course on Research Methodology, 2012 | 10 days | CRIDA, Hyderabad, AP |
| Dr. S. K. Maity | ICAR short course on Research Methodology, 2013 | 10 days | CAZRI, Jodhpur, Rajasthan |
| Dr. K. Pramanik | UGC sponsored 70 th Orientation Course during 16 th May-12 th June, 2009 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan |

| | | | |
|-----------------------------------|--|---------|---|
| Dr. D. Panda | UGC sponsored 6 th Refresher Course on computer study on 29 th Jan-18 th Feb,2009 | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. D. Panda | UGC sponsored 70th Orientation Course during 16th May-12 th June, 2009 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. J. Mondal | UGC sponsored 18 th Refreshers course in “Environmental Science”, 20 th November to 10 th December, 2010 | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. J. Mondal | ICAR sponsored Summer school on “Horticulture Based Crop Diversification Options for Livelihood Security in Tribal Areas”, 1 st May to 10 th June, 2013. | 10 days | ICAR Research Complex for Eastern Region, Research Centre, Plandu Ranchi, Jharkhand |
| Dr. S. Chakravorty | UGC sponsored 17 th Refreshers course in “Environmental Science”, 22 nd August to 11 th Sept’2009. | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. S. Chakravorty | UGC sponsored Refreshers course in “Environmental Studies”, 8-27 Feb’2010. | 21 days | ASC - The Univrsity of Calcutta, West Bengal |
| Dr. D. S. Dhakre | ICAR Training Course on SAS programme, 2012 | 10 days | NEH-ICAR Research Complex, Barapani, Meghalaya |
| Dr. G. C. Malik and Dr. P. Mandal | National Training on Advances in Weed Management, 2013 | 10 days | DWSR (ICAR), Jabbalpur |

| | | | |
|----------------------------|--|---------|---|
| Dr. (Mrs.) S. Bhattacharya | ICAR sponsored Short course on “Detection and measurement of Insecticide Resistance including molecular aspects in Insect Pests”, 2013 | 10 days | NBAIL, Bangalore |
| Dr. M. K. Biswas | Orientation Programme, 2009 | 29 days | UGC -ASC- Jadavpur University, Kolkata |
| Dr. M. K. Biswas | 4 th Refresher Course in Life Science, 2011 | 21 days | ASC-The University of Burdwan, Burdwan, W.B. |
| Dr. M. K. Biswas | Training on “Developing Human Resource for Teaching Core Course in Plant Nematology”, 2014 | 13 days | Department of Nematology, CCS Haryana Agricultural University, Hisar, Haryana |

28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects:** 100% of PG students do projects in the form of dissertation/ Thesis.
- **percentage of students doing projects in collaboration with other universities/industry/ institute:** Around 80% of Ph. D. Research projects are done in collaboration with other universities/institutes.

29. Awards / recognitions received at the national and international level by

v Awards / recognitions received by the faculty

• International level

Prof. K. Baral of the Dept. of Plant Protection was awarded with International IPM Recognition Award 2009 at 6th International Symposium on 24 Mar, 2009, USA.

Dr. Bholanath Mondal Received ‘Young Scientist Award in Plant Pathology’ in the event of the First International Conference on Bio-Resource and Stress Management held on 6-9 Feb., 2013 at Kolkata

Received ‘Best Poster Paper Award’ entitled ‘Rethinking of Sundarbans Mangrove through Community Participation’ in the event of the First international Conference on Bio-Resource and Stress

Management held on 6-9 Feb., 2013 at Kolkata

- **National level**

Prof. D. C. Ghosh was recognized as Fellow of West Bengal Academy of Science & Technology

Prof. P.S. Munsri : ‘Shiksha Ratan Puraskar’ (2010) by India International Friendship Society, New Delhi and recognized as Fellow of the Indian Association of Biological Sciences (in Horticulture) and selected for award of Rashtrya Vidhyaratan Award 2014 by Foundation for accelerated community empowerment (FACE), Delhi.

Prof. N. C. Mandal: Pandit Jawaharlal Nehru Gold Medal award 2014 for “Individual achievement & National Development” (Education and Research) from Global Economic Progress and Research Association, Chennai, Tamil Nadu and felicitated in the International Unity Conference during January 30, 2014.

Prof. Souvik Ghosh: *Indira Gandhi Rajbhasha Puraskar* (First Prize) of Ministry of Home Affairs, Govt. of India conferred by His Excellency President of India, Shri Pranab Mukherjee at Vigyan Bhavan, New Delhi on 14th September 2012.

Lal Bahadur Shastri Outstanding Young Scientist Award 2011 of Indian Council of Agricultural Research (ICAR), Ministry of Agriculture, Government of India conferred by Hon’ble Union Minister of Agriculture and Food Processing Industries Sh. Sharad Pawar and Hon’ble Minister of State for Agriculture and Food Processing Industries Sh. Harish Rawat at National Agricultural Science Complex, Indian Council of Agricultural Research, New Delhi on 16th July 2012.

Dr. B. Duary- Recognition award 2011 by DWSR, ICAR for successful completion of NIWS project –Ministry of Agriculture and Cooperation, Govt. of India.

Dr. B. Duary- Bharat Siksha Ratan Award (2010) from Global Society for Health and Educational Growth, New Delhi for excellence in chosen field of activity.

Dr. Y. V. Rao received Fellow Award from Society of Applied Biotechnology (SAB) 2012

Dr. B. Duary-Young Scientist Award-2009 by Crop and Weed Science Society

Dr. K. Pramanik –Young Scientist Award-2013 by Ratikanta Maiti Foundation.

Dr. K. Pramanik- Young Scientist Award-2013 by Crop and Weed

Science Society

Dr. Y. V. Rao received Best Oral Presentation Award in the National Seminar on Agriculture and Biosecurity in Changing Scenario, 2014.

Dr. K. Pramanik received best poster presentation under the category of Biodiversity, Forestry and Biogeography in “The First International Conference on Bio-resource and Stress Management”, 2013

Dr. K. Pramanik received best poster under the category of Crop Husbandry, in “The First International Conference on Bio-resource and Stress Management”, 2013

Prof. B.K. Saren received best poster under the category of Crop diversification, soil health and sustainable agriculture, Session-III in “The First International Conference on Bio-resource and Stress Management”, 2013

Dr. K.C. Swain received best paper award on “ Potential and Prospectus of Greenhouse Agriculture in India” in 9th National Youth Science Congress, held at Visva-Bharati Santiniketan, 2013.

Dr. Ranjan Nath: Best Oral Presentation award in “National Seminar on Agriculture, Biosecurity in Changing Scenerio.

v **Awards / recognitions received by the Doctoral fellows**

• **National level**

Ms. Debjani Chowdhuri and Mr. Kharendra Reang are recipient of Rajeev Gandhi National Fellowship for Ph. D. programme

Sri. Chandan Maity received *Best poster presentation 25th National Youth Science congress.*

v **Awards / recognitions received by the students**

• **International level**

Mr. Sukamal Sarkar won Altech Young Scientist Award, USA for the year 2013 placed 3rd in Asia Pacific region.

Ms. Pooja Chatterje won 1st prize in group dance in International Classical Competition organized by Bharat Sanskriti Utsav held at Bardhaman in 2013.

• **National Level**

Every year an outstanding percentage of UG students of the institute are awarded with **ICAR Junior Research Fellowship** for PG studies in other institute/universities and some of them often top the rank at national level in different disciplines such as **Arka Prabha Ghosh** topped in Agronomy in 2013, **Niranjana Kumar** in Physical Science group in 2012.

Mr. Sukamal Sarkar was selected for oral presentation in the plenary

session of 5th Indian Youth Science Congress 2013 held at Visva-Bharati, Santiniketan.

Ms. Ankita Mishra stood 1st in oral presentation in Agriculture session of 5th Indian Youth Science Congress 2013 held at Visva-Bharati, Santiniketan.

Ms. Arpita Nalia stood 3rd in Rangoli making in 28th Inter University Youth Fest held at Lalit narayan Mithila University, Darbhanga, Bihar.

Ms. Sangeeta Bhattacharyya and Ms. Chandrima Shyam got 1st and 2nd prize respectively in inter-college debate on “population and environment” organized by IAPPD and Visva-Bharati in 2011.

Ms. Arpita Nalia and Ms. Shazia Sultana got 1st prize in double badminton in Inter University sports in 2013.

Ms. Arpita Nalia was runner-up in single badminton in Inter University sports in 2013.

Mr. Avik banerjee, Mr. Soham Ghosal and Mr. Tanmay Pal stood 1st in the quiz competition; Mr. Gaurav Jha (English) and Mr. Amarjeet Kumar (Hindi) stood 1st in the debate competition in the Inter University Youth Fest – 2012.

Mr. Gaurav Jha stood 1st in the Inter University Exhibition Debate organized at Visva-Bharati in 2013.

Mr. Jagannath Konra and Mr. Siddhartha Mallick represented Visva-Bharati cricket team at East Zone Inter University Men’s Cricket tournament 2013 held at University of Calcutta.

Mr. Abdul Motakabber represented Visva-Bharati university volley ball team at East Zone Inter University Men’s Cricket tournament 2012-13 held at University of Calcutta.

Mr. Jagannath Konra and Mr. Wasim Iftikar represented Visva-Bharati cricket team which won championship in Ajay Ghosh Men’s Cricket tournament orgsnized by Cricket Association of Bengal in 2011 at Santiniketan.

Mr. Jagannath Konra and Mr. Babu Kora represented Visva-Bharati cricket team at East Zone Inter University Men’s Cricket tournament 2013-14 held at Jadavpur University.

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any:

1. 2nd National Seminar on **Earthworm Ecology and Environment** & IX National Symposium on **Soil Biology and Ecology** 21-23 Nov, 2009 funded by NABARD
Outstanding participants: Prof. L. M. Mondal, former VC, BCKV, Kalyani;

Prof. Biswapati Mandal, BCKV, Kalyani; Prof. KVBR Tilak, Osmania University, Hyderabad; Prof. D. J. Bagyaraj, CNBRCD, Bangalore; Dr. Pradip Sen, Dept. of Agriculture, Govt. Of WB; Dr. Kaushik Majumder, IPNI; Dr. P. Bhattacharya, AIBORS, Noida; Prof. (Mrs.) Radha D. Kale, Bangalore; Dr. A. K. Sannigrahi, DRDO, Balasore; M. K. De, NABARD, Kolkata

2. National Workshop on **Use of Vermicomposted Fly Ash in Agriculture**, 26th May, 2011 funded by Fly Ash Unit, DST, GOI

Outstanding participants: Prof. KVBR Tilak, Osmania University, Hyderabad; Prof. Shibani Chowdhury, Visva-Bharati; Prof. Biswapati Mandal, BCKV, Kalyani; Prof. P. S. Pathak, former director, IGRI, Jhansi; Dr. S. K. Dey, Principal Scientist, IGRI, Jhansi; Mr. A. Sanyal, C-Farm, New Delhi

3. Golden Jubilee Seminar on **Advances in Agricultural Research towards Food Security and Environmental Sustainability**, 1-3 Sept, 2012 funded by IPNI, NABARD, and some corporate sectors

Outstanding participants: Prof. M. S. Swaminathan, Prof. M. K. Dasgupta; Prof. S. K. Mukhopadhyay; Prof. Aminul Islam, former VC, Dhaka National University and Daffodil International University, Bangladesh; Prof. Sirajul Haque, Dhaka University, Bangladesh

Dr. Swapan Datta, DDG (Crop Science), ICAR, New Delhi; Prof. A. C. Sinha, officiating VC, UBKV, Cooch Behar; Dr. K. Majumder, IPNI; Dr. M. L. Jat, CIMMYT; Dr. A. P. Sharma, CIFRI, Barrackpore; Dr. Soumitra Das, International Zinc Association

4. National seminar on “**Safe Food for All**” 21-23 Feb, 2012 funded by Raja Rammohan Library Foundation, Ministry of Culture, Govt. of India and some corporate sectors

Outstanding participants: Rabindranath Bhattacharyya, Minister in Agriculture, Govt. of West Bengal; Prof. Aminul Islam, former VC, Dhaka National University and Daffodil International University, Bangladesh; Prof. Ashim Chowdhury, Calcutta University; Prof. A. Chakrabarty, WBUAFS, Kolkata; Prof. P. Halder, Visva-Bharati; Prof. A. Zaman, BCKV, Kalyani; Prof. P. K. Sahoo, BCKV, Kalyani

5. National seminar on “**Agriculture and Bio-security in Changing Scenario**”, 1-3 Feb, 2013.

Funded by NABARD, University Grant and some corporate sectors

Outstanding participants: Prof. D. Dasgupta, ex-VC, BCKV, Kalyani; Prof. (Mrs.) Sabujkali Sen; Prof. K. Sengupta, BCKV, Kalyani; Prof. (Mrs.) Bandana Bose, BHU, Varanasi; Dr. Y. V. Singh, IARI, New Delhi; Dr. P. J. Mishra, OUAT, Bhubaneswar; Prof. I. Bhattacharya, BCKV, Kalyani; Prof. T. K.

Mondal, WBUAFS, Kolkata

6. National seminar on '*Recent Advances in Rice Genomics and Biotechnology*' organized jointly by the Department of Biotechnology and Palli Siksha Bhavana held at Siksha-Bhavana (Institute of Science), Visva-Bharati, Santiniketan, during March 23 & 24, 2013.
7. Two-day National Conference on **Application of Statistics in Life Sciences & Engineering** on December 10-11, 2011 funded by institutional grant.
8. National **Extension Management** Workshop on Development Projects Management on November 12-13, 2011 funded by institutional grant.
9. National Symposium on "**Plant Microbe Interactions and Crop Health Management**" & Twenty fifth Annual General Meeting of Indian Phytopathological Society (Eastern Zone) 2012 during 6-7 October, 2012 funded by UGC Grant from University and some Agrochemical companies
Outstanding participants: Prof. Pratibha Sharma, Secretary, Indian Phytopathological Society, IARI, New Delhi; Prof. N. K. Dhal, Former Dean, College of Agriculture, OUAT, Bhubaneswar; Prof. B. N. Chakraborty, President, ISMPP, North Bengal University; Prof. M. K. Dasgupta, Retd. Professor, Visva-Bharati; Prof. S. K. Mukhopadhyay; Prof. Srikanta Das, Dean, Faculty of Agriculture, BCKV, Kalyani; Prof. H. P. Mishra, OUAT, Bhubaneswar

31. Code of ethics for research followed by the departments:

All relevant codes of ethics for research as laid down in the University are followed.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|------------|
| | | Male | Female | Male | Female |
| UG (2012-13) | 1081 | 36 | 15 | 3.3 | 1.4 |
| UG (2013-14) | 1470 | 41 | 11 | 2.8 | 0.7 |
| PG (2012-13) | 378 | 37 | 9 | 9.8 | 2.4 |
| PG (2013-14) | 392 | 55 | 9 | 14.0 | 2.3 |
| Ph. D. (2012-13) | 65 | 17 | 6 | 26.2 | 9.2 |
| Ph. D. (2013-14) | 75 | 22 | 5 | 29.3 | 6.7 |

33. Diversity of students :

| Name of the Programme (refer to question no. 4) | % of students from the same University | % of students from other Universities within the State | % of students from other Universities outside the State | % of students from the other Countries |
|---|--|--|---|--|
| PG (2011-12 & 2012-13) | 16.8 | 1.7 | 39.6 | 0.0 |
| Ph. D. (2011-12 & 2012-13) | 7.4 | 3.6 | 34.3 | 0.0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

| Competitive Examinations | No. of students cleared during 2009-2013 |
|---|--|
| All India ICAR-JRF Examination | 5 (2009-10); 3 (2010-11) 10 (2011-12); 15 (2012-13) |
| All India JNU/BHU PG Entrance Test | 1 (2011-12) 2 (2012-13) |
| CAT/MAT qualified | 3 (2009-10) |
| Qualified ICAR-NET Examination | 18 number of PG students |
| West Bengal Agricultural Administrative Service | 3 number of PG students |
| Banking Service | 4 number of PG students and 1 UG student |
| School Services Examination | 8 number of PG students |

35. Student progression:

| Student progression | Percentage against enrolled | | | | | | | |
|-------------------------|--|----|---------|-----|---------|----|---------|----|
| | 2009-10 | | 2010-11 | | 2011-12 | | 2012-13 | |
| UG to PG | 77.4 | | 78.6 | | 78.1 | | 100 | |
| PG to M. Phil. | There is no M. Phil programme in Agriculture | | | | | | | |
| PG to Ph.D. | 40 | | 30.4 | | 23.1 | | 38.2 | |
| Ph.D. to Post Doctoral* | - | | - | | - | | - | |
| Employed | UG | PG | UG | PG | UG | PG | UG | PG |
| • Campus selection | 16.1 | 20 | 0 | 8.7 | 6.3 | 0 | 0 | 0 |

| | | | | | | | | |
|---------------------------------|-----|----|------|------|------|------|---|------|
| • Other than campus recruitment | 6.5 | 40 | 21.4 | 60.9 | 15.6 | 73.1 | 0 | 35.3 |
| Entrepreneurs | - | - | - | - | - | - | - | - |

* Dr. Soma Mukherjee is currently engaged as Post-Doctoral Research associate in USA , after completion of her Ph.D.during 2010 under the supervision of Prof. N. C. Mandal of Dept. of Plant Protection.

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|--------|
| of the same university | 43.75% |
| from other universities within the State | 41.67% |
| from universities from other States | 14.58% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Following faculties were awarded Ph. D. during 2009-2013:

1. Dr. D. Panda (Plant Physiology), Ph. D. from Visva-Bharati
2. Dr. P. Kandasami (Agril. Engineering), Ph. D. from Visva-Bharati
3. Dr. (Mrs.) Sananda Mondal (Plant Physiology), Ph. D. from Banaras Hindu University

38. Present details of departmental infrastructural facilities with regard to

a) Library:

An institutional library shared with Social Work Dept. of Palli Sangthan Vibhaga.

Total number books the library : 47529

Total number periodicals in the library : 5408

Subjects include languages, humanities and social science, science, home science, computer science, commerce and management, education, engineering and technology, medical sciences, agricultural science, veterinary science, law, and others.

Total No. Books & Periodicals issued 21300.

On line as well as manual library retrieval system

Internet facility for both staff and students

One departmental library recently established at the Dept. of ASEPAN

b) Internet facilities for staff and students:

Each faculty of the institute are provided with one desktop as well as one laptop computers and portable data storing devices such as pen drive, external hard disc.

Desk top computer of each faculty is connected with wired university Net Work with Internet facility and faculties of some department are also provided with portable modem to access internet connection along with note pad computer.

One computer laboratory for UG students with 30 desktops having internet connections.

UG students can avail internet facility at Institute Library and also can avail wireless wi-fi connection at some of the departments.

All PG and Ph.D. students are associated with some faculty for their research guidance and can avail internet facility available with the concerned faculty.

c) Total number of class rooms:

Four UG class rooms each of 100 capacities.

Five PG class rooms: 2 at Dept. of ASEPAN, 1 at Dept. of CIHAB, 1 at Dept. of EES and 1 at Dept. of PP.

d) Class rooms with ICT facility:

- a) All the four UG class rooms are provided with fixed LCD projector and automatic rolling projection screen.
- b) One PG class room of the Dept. EES is with ICT facility.
- c) There is an air conditioned Placement Cell with ICT facility to facilitate interactions of corporate officials with faculties and students.
- d) There are three Seminar Hall in the Institute one at each Department with air conditioning system and ICT facility. Often these Seminar Hall are also used for taking PG and Ph. D. classes.
- e) All the departments are having portable LCD projectors which are taken to the class rooms for delivering the lectures with power point presentation.
- f) There is one Community Hall of about 200 capacity under the disposal of the Principal, Palli Siksha Bhavana with air conditioning system where Seminars and Conferences are organised.

e) Students' laboratories:

- g) One computer laboratory for UG students.
- h) One workshop of Agril. Engineering for the UG students
- i) 6 UG laboratories for conducting practical classes (3 at Dept. of ASEPAN and 1 at each three other departments).

f) Research laboratories: Total - 15**Interdisciplinary facility**

- j) Soil Testing Laboratory

Dept. of ASEPAN

- k) Soil Fertility Lab
- l) Plant Physiology Lab
- m) Biochemistry Lab (also used as seating room of the faculty)
- n) Soil Microbiology Lab (also used as seating room of the faculty)
- o) Irrigation Lab (also used as seating room of the faculty)

Dept. of CIHAB

- p) Genetics and Plant breeding Lab
- q) Tissue Analysis Lab
- r) Post Harvest Studies Lab

Dept. of EES

- s) Computer Lab
- t) Audiovisual Lab

Dept. of PP

- u) Plant Pathology Lab (also used as seating room of the faculty)
- v) Inoculation chamber
- w) Insect rearing chamber
- x) Bio-control Lab

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university :

b) from other institutions/universities:

List of Doctoral Students of Department of ASEPAN

| SL.NO | NAME OF THE STUDENT | State | Remarks |
|-----------------|--------------------------|--------|---------|
| AGRONOMY | | | |
| 1. | ABHIJIT MANDAL | WB | Working |
| 2. | ANUPAM MUKHERJEE | WB | Working |
| 3. | BHABANI SANKAR NAYAK | Odisha | Working |
| 4. | DHIMAN SEN | WB | Working |
| 5. | KISHORE CHANDRA SAHOO | Odisha | Working |
| 6. | MALAY KUMAR BHOUMICK | WB | Working |
| 7. | NANGTHOMBAM ANANDO SINGH | Manipu | Working |
| 8. | PRABIR KUMAR SAHA | WB | Working |
| 9. | PRAMILA NAYAK | Odisha | Working |
| 10. | SUSHANTA KUMAR JATA | Odisha | Working |
| 11. | TUSHAR RANJAN MOHANTY | Odisha | Working |

| | | | |
|--|--------------------------|-----------|---------|
| 12. | ANITA MAHAPATRA | Odisha | Working |
| 13. | ANSHUMAN NAYAK | Odisha | Working |
| 14. | BHABANI SANKAR BISHOYI | Odisha | Working |
| 15. | BISWA RANJAN NAYAK | Odisha | Working |
| 16. | KINGKAR DEYTARAFDER | WB | Working |
| 17. | LOKNATH SHARMA | WB | Working |
| 18. | PADMAJA GUPTA | Jharkarnd | Working |
| 19. | RATIKANTA MAHANTA | Odisha | Working |
| 20. | SUMANA GHOSH | WB | Working |
| 21. | SWAHA SHEE | WB | Working |
| 22. | WAIKHOM JITEN SINGH | Mainipur | Working |
| 23. | AKSHAYA KUMAR SETHY | Odisha | Working |
| 24. | ASIM CHANDRA DASH | Odisha | Working |
| 25. | MANDIRA CHAKRABORTY | Tripura | Working |
| 26. | MD. GIASUDDIN | WB | Working |
| 27. | SAJEEB KUMAR BISWASI | Odisha | Working |
| 28. | SEKHAR SING MURA | WB | Working |
| 29. | SUBHRANATH HENSH | WB | Working |
| 30. | SUROJIT GOPE | WB | Working |
| 31. | TARAMA CHATTERJEE | WB | Working |
| 32. | ASHIM MIDYA | WB | Working |
| 33. | BHABANI SANKAR SATAPATHY | Odisha | Working |
| 34. | SAGARIKA MALIK | WB | Working |
| 35. | SOUVIK DALAL | WB | Working |
| 36. | SOMA MUKHERJEE | WB | Working |
| 37. | SPURTI MONDAL | WB | Working |
| 38. | TANMOY SHANKAR | Jharkhand | Working |
| 39. | M. MALLIKARJUN | AP | Working |
| 40. | AMALESH GHOSH | WB | Working |
| 41. | NAKUL MONDAL | WB | Working |
| 42. | BISWAJIT SAHA | WB | Working |
| 43. | NITYANANDA BAG | WB | Working |
| SOIL SCIENCE & AGRIL. CHEMISTRY | | | |
| 1. | ATHOKPAM HARIBHUSAHN | Odisha | Working |
| 2. | PARITOSH PATRA | WB | Working |
| 3. | SIDHARTHA MITRA | WB | Working |
| 4. | JIBANJIT SEN | Odisha | Working |

| | | | |
|---------------------------|------------------------|------------|---------|
| 5. | SUMANTA KAR | WB | Working |
| 6. | BIPLAB KUMAR PATI | WB | Working |
| 7. | MD. SOYEB ALI | WB | Working |
| 8. | ABHISEK SAHA | WB | Working |
| 9. | MD. ASIF IQBAL | WB | Working |
| 10. | BIBHUTI BHUSAN BEHERA | Odisha | Working |
| 11. | PRADIPTA BANERJEE | WB | Working |
| 12. | RUPABAKOR C. WARJRI | Odisha | Working |
| 13. | GOBINDA CHANDRA SHAHOO | Odisha | Working |
| 14. | LATA MALIK | Odisha | Working |
| 15. | PRADIPTA MAJHI | WB | Working |
| 16. | CHITTARANJAN SARANGI | WB | Working |
| 17. | SIDHARTHA MALICK | WB | Working |
| 18. | CHINDANANDA SINGH MURA | WB | Working |
| 19. | MONISANKAR BERA | WB | Working |
| 20. | ARUNAVA SAMANTA | WB | Working |
| 21. | MERRINE RAJU | Tamil Nadu | Working |
| ANIMAL SCIENCE | | | |
| 1 | SUJOY KUMAR SIKDAR | WB | Working |
| 2 | GOBINDA HALDER | WB | Working |
| 3 | NIRMAL KUMAR TUDU | WB | Working |
| 4 | PRATUSH BHASKAR | WB | Working |
| 5 | ARUNA CHAKRABORTY | WB | Working |
| AGRIL. ENGINEERING | | | |
| 1. | DINESH KUMAR RUSIA | Jharkhand | Working |

List of Doctoral Students of Department of CIHAB

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|---------------------------|----------------------------|---------|
| 1. | S. S. Singh | Manipur | Working |
| 2. | Rincy K. Abraham | Kerala | Working |
| 3. | Saudamini Swain | Odisha | Working |
| 4. | Himadri Sekhar Das | WB (outside Visva-Bharati) | Working |
| 5. | Bibhuti Bhusan Sahoo | Odisha | Working |
| 6. | G. P. Rao | Kerala | Working |
| 7. | Sandip Dutta | WB(outside Visva-Bharati) | Working |

| | | | |
|-----|---------------------------|----------------------------|------------------|
| 8. | Sanjeev K. Singh | Jharkhand | Working |
| 9. | Dudhane Abhijeet Sarjerao | Maharashtra | Working |
| 10. | Indrajit Sarkar | WB (outside Visva-Bharati) | Working |
| 11. | Vilas D. Gasti | AP | Working |
| 12. | Sukanta Kumar Sahoo | Odisha | Working |
| 13. | Brijesh Pandey | Bihar | Working |
| 14. | Amitava Panda | Odisha | Working |
| 15. | Suman Mukherjee | WB(outside Visva-Bharati) | Working |
| 16. | Lourembam Promin | Manipur | Awarded |
| 17. | Md. Banaz Alam | WB | Working |
| 18. | Himal Pokhrel | Sikim | Working |
| 19. | Naorem Brajendra Singh | Manipur | Thesis submitted |
| 20. | Sanghamitra Pattanaik | Odisha | Thesis submitted |
| 21. | Juhie Konal Marak | Meghalaya | Working |
| 22. | Chinanshuk Ghosh | WB | Thesis submitted |
| 23. | N. Montessori Devi | Manipur | Thesis submitted |
| 24. | Kh. Swarnalata Devi | Manipur | Thesis submitted |
| 25. | Vinod Kumar Dhangraha | UP | Working |
| 26. | Ranjan Kumar Singh | Bihar | Working |
| 27. | Sarnam Singh (Gn) | Gujrat | Working |

List of Doctoral Students of Department of EES

| Year | Name | Category | University |
|------|--------------------------------|---------------|----------------------|
| 2008 | Mr. Manoranjan Mohapatra | Ag. Extension | Came from outside VB |
| 2008 | Mr. Jagannath Patra | Ag. Extension | Came from outside VB |
| 2009 | Ms. Soma Bhattacharya (Biswas) | Ag. Extension | Came from outside VB |
| 2009 | Mr. Chandan Singha | Ag. Economics | Came from outside VB |
| 2009 | Mr. Mahamaya Prasad Nayak | Ag. Extension | Came from outside VB |
| 2010 | Mr Basudeo Kharga | Ag. Extension | Came from outside VB |
| 2010 | Mr. Sangram Paramguru | Ag. Extension | Came from outside VB |
| 2010 | Dilruba Khatun | Ag. Economics | Came from outside VB |

| | | | |
|------|-------------------------|----------------|-----------------------|
| 2010 | Mr. Md. Mozamual Hoque | Ag. Extension | Came from outside VB |
| 2010 | Mr. Sumantra Hazara | Ag. Economics | Came from outside VB |
| 2010 | Ranjan Kumar Biswas | Ag. Economics | Came from out side VB |
| 2011 | Ms. Riya Ghoshal | Ag. Extension | Came from out side VB |
| 2011 | Mr. Snehasish Karmakar | Ag. Economics | Came from out side VB |
| 2011 | Mr. Anuttam Pariari | Ag. Extension | From VB |
| 2011 | Mr. Subir Kumar Sinha | Ag. Extension | Came from out side VB |
| 2011 | Ms. Madhumita Jena | Ag. Extension | Came from out side VB |
| 2011 | Mr. Narayan Bar | Ag. Extension | Came from out side VB |
| 2011 | Mr. Saran Kumar Rizal | Ag. Extension | Came from out side VB |
| 2011 | Mr. Debabrata Mondal | Ag. Extension | From VB |
| 2011 | Ms. Satarupa Nandi | Ag. Economics | From VB |
| 2011 | Ms. Joyoti Gayen | Ag. Economics | Came from out side VB |
| 2012 | Mr Kharendra Reang | Ag. Extension | Came from out side VB |
| 2012 | Mr Samir Ranjan Das | Ag. Extension | Came from out side VB |
| 2012 | Mr. Sourav Chakraborty | Ag. Statistics | Came from out side VB |
| 2014 | Shiva Prakash | Ag. Economics | Came from out side VB |
| 2014 | Debabrata Paul | Ag. Economics | Came from out side VB |
| 2014 | Uday shanker mall | Ag. Economics | Came from out side VB |
| 2014 | Gosai Das Bairagya | Ag. Economics | Came from out side VB |
| 2014 | Gourgopal Chattopadhyay | Ag. Economics | Came from out side VB |
| 2014 | Jai Prakash | Ag. Economics | Came from out side VB |
| 2014 | Chitrasena Padhy | Ag. Extension | Came from out side VB |
| 2014 | Sabyasachi Roy | Ag. Extension | Came from out side VB |
| 2014 | Sanjenbam Sher singh | Ag. Extension | From VB |
| 2014 | Santanu kumar Patra | Ag. Extension | Came from out side VB |
| 2014 | Subhadip Das | Ag. Extension | Came from out side VB |
| 2014 | Abhiram Dash | Ag. Statistics | Came from out side VB |

Depttment of PP

| Name (Academic session 2009-10) | Host/Other Institution | Subject |
|---------------------------------|------------------------|------------------|
| 1. Sri Sourav Mandal | *(Host Institution) | Agril Entomology |
| 2. Bipattaran Pandit | (Other Institution) | -do- |

| | | |
|--|---------------------|------------------|
| 3. Sri Soumen Chakraborty | (Other Institution) | -do- |
| 4. Sri Debojit Das | (Other Institution) | -do- |
| 5. Sri Sukhabrata Sarkar | (Other Institution) | -do- |
| 6. Sri Samarendra Boral | (Other Institution) | -do- |
| 7. Siraj Monir | (Other Institution) | Plant pathology |
| 8. Sri Sandipan Garain | *(Host Institution) | -do- |
| 9. Sri Karamchand Hembram | (Other Institution) | -do- |
| Name (Academic session 2010-11) | | Subject |
| 10. Sri Sitesh Chatterjee | (Other Institution) | Agril Entomology |
| 11. Mrs Malabika Debnath | (Other Institution) | -do- |
| 12. Sri Amitava Sarkar | (Other Institution) | Plant pathology |
| 13. Sri Chandan Bhuinya | (Other Institution) | -do- |
| Name (Academic session 2011-12) | | Subject |
| 14. Mrs Hiranmayee Pradhan | (Other Institution) | Agril Entomology |
| 15. Sri Pramod Chintalkulawar | (Other Institution) | -do- |
| 16. Sri Anuj Kumar Mumgain | *(Host Institution) | -do- |
| 17. Sri Saktipada Mondal | (Other Institution) | Plant pathology |
| 18. Sri Subhadeep Pal | (Other Institution) | -do- |
| Name (Academic session 2012-13) | | Subject |
| 19. Atit Maji | *(Host Institution) | Plant pathology |
| 20. Debjani Chowdhury | (Other Institution) | -do- |
| 21. Diksha Goutam | (Other Institution) | -do- |
| 22. Uttam Mondal | *(Host Institution) | -do- |
| 23. Monish Dey | *(Host Institution) | -do- |

| | | |
|----------------------------|---------------------|------------------|
| 24. Pradip Kumar Paramanik | *(Host Institution) | -do- |
| 25. Rini Pal | (Other Institution) | -do- |
| 26. P Nagamoni | (Other Institution) | -do- |
| 27. Chandan Maity | *(Host Institution) | Agril Entomology |
| 28. Sanjay Mahanty | (Other Institution) | -do- |

- 40. Number of post graduate students getting financial assistance from the university.**
Each year **12 numbers** of post graduate students are getting financial assistance from the university.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
Need assessment is exercised by the ICAR by forming Deans' Committee to which the Principal, PSB becomes a member and also by organizing regular meetings of VCs of State Agricultural Universities (SAUs) to which the VC of our university is also invited. The Deans' Committee and VCs Conference regularly evaluates the current course curriculum and accordingly modifications are done after inviting feedbacks from the all stake holders. The institute adopts ICAR proposed syllabus and course curriculum after some modification based on needs of local agricultural scenario through conducting series of staff meetings and finally approved by BOS meeting at Department and Joint BOS at Institute and Academic Council at University level.
- 42. Does the department obtain feedback from:**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
Yes, by conducting time to time PG standing committee ,Bhavana Admission committee and Joint Board of Studies meetings, these issues are being discussed and if required necessary steps are taken.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**
Not done earlier, but recently initiated by the university.
 - alumni and employers on the programmes offered and how does the department utilize the feedback?**
Interactions are made with the alumni during Reunion Meet.
- 43. List the distinguished alumni of the department (maximum 10):**
- Prof. D. Dasgupta, Ex-VC, BCKV

- b) Professor Mrinal Kanti Dasgupta, Retd. Professor, Visva-Bharati
- c) Prof. R. K. Sarkar, Khaira professor, University of Calcutta
- d) Prof. A. K. Samsul Huda, University of Western Sydney, Australia
- e) Dr. Dilip Kumar Lakshman, USDA-ARS, USA
- f) Dr. Gopi Nath Ghosh, FAO, New Delhi
- g) Dr. Benugopal Mukhopadhyay, Deputy General Manager, NABARD, Mumbai
- h) Dr. Prabir Kumar Ghosh, Director, IGRI (ICAR), Jhansi
- i) Dr. Nawajes Ali Mondal, Ophthalmology Department, University of Michigan, USA
- j) Dr. V.G. Girish, Taiwan University
- k) Dr. G.C. Debnath, Director, Regional Meteorological Centre, Alipore, Kolkata
- l) Dr. A.K. Mondal, Director, Tropical Institutes of Forest Research, Ranchi

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts:

- a) The Fertiliser Association of India conducted 2-days (16-17 January, 2014) Fertiliser Orientation course at our Institute for the students of final year UG and all PG students with renowned resource persons such as Dr. A. K. Singh (Zonal PD-ICAR, Kolkata), Dr. S. Datta (IPNI, Kolkata), Dr. N. K. Awasthi (IPI, New Delhi) and others.
- b) Dr. Humberto Gonza'lez Rodriguez (UNAL, Mexico) delivered a talk on Forest Management and Forest Products of Mexico in August, 2011 which attended by UG and PG students.
- c) Dr. M. Nedunchezian, Principal Scientist (CTCRI, ICAR) made a presentation on Tuber crops in July, 2013.

45. List the teaching methods adopted by the faculty for different programmes:

- a) Lecture by the use of black board / white board
- b) Lecture by power point presentation
- c) Demonstration by graphs, charts and photos
- d) On line interaction through e-mails.
- e) Interaction through personal contact during off class hours as well as off days
- f) Interaction with the students through phone calls
- g) Laboratory practical in groups
- h) Field practical in groups
- i) Field visit and interaction with farmers in nearby villages
- j) Tutorial guidance for the preparation of different competitive exams particularly ICAR-JRF examination
- k) Remedial coaching was also initiated for SC,ST and OBC candidates

- l) Study tour to different university campus and research institutes
 - m) Guiding UG students individually or in group to prepare assignments/term papers
 - n) Guiding PG and Ph D students individually for conducting dissertation work
 - o) Checking practical record/field note book/field visit report during off the class hours
 - p) Informal interaction with the students by the faculties during College picnic, NSS days, *Gandhee Punnah* (day of campus cleaning), day of *vasant utsav* (on the day of Holi students visit teachers residence in group), occasion of *Hala Karshan* (festival of ploughing), *Briksh Ropan* (tree plantation), *pous utsav*, annual Sriniketan festival.
 - q) Non-verbal communication of knowledge through simplicity of campus life with greeneries and rich biodiversity, cordial ambience, cultural affluence and openness of student –teachers’ relationship.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**
- By organizing student teacher meeting/ interaction and by inviting opinions from alumni.
- 47. Highlight the participation of students and faculty in extension activities:**
- a) Field Extension work through Rural Agricultural Work Experience (RAWE)
 - b) Institute & Community Cleaning during Gandhi Punnah (10th March each year)
 - c) Organization of 7 days workshop on *Parthenium* on the occasion of *Parthenium* Awareness Week every week and during some other time
 - d) Demonstration stall at 3-days Annual Sriniketan Festival
 - e) Conducting field experiments for PG and Ph D research at farmers’ field
 - f) Organizing farmers-scientists meet
 - g) Our faculties are regularly invited to participate in different farmers’ training programmes and training programmes for extension officers organized by Rathindra Krishi Vignan Kendra, Agricultural Departments of Govt. of W.B., different NGOs such Manab Jamin, Rama Krishna Mission and corporate bodies such as IFFCO etc.
 - h) Our faculties also participate in radio talk and TV programmes on agriculture.
 - i) NSS programmes on the aspect of tree plantation, campus cleaning, awareness programme such thalassemea, traffic rules etc.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- a) The Institute organizes Orientation Programme for newly admitted UG students every year which includes one session of orientation lecture where guardians are

also invited followed by visits to libraries, farms, entire Sriniketan campus including departments and Santiniketan campus including Rabindra Bhavana.

- b) Prof. S. K. Pyne of Dept. of ASEPAN as member of Rotary International and former President of Rotary Club of Bolpur- Santiniketan is associated with different activities such as water recharging project of Central Govt., water and sanitation Project under Rotary International, literacy campaign programme, orphan children school etc.
- c) Prof. B. K. Saren of Dept. of ASEPAN is acting as Editor of UMUL a Literary Magazine in Santali, acted as Member of **Selection Committee** & Judge, **Sahitya Akademi, New Delhi** and Member of Translation Mission, **CIIL, Mysore** also remained member of West Bengal Santali Akademi upto May 2011.
- d) Dr. S. K. Maity, Dept of ASEPAN had organized several training courses of *yoga* and *pranayam* in collaboration with Art of Living centre of Durgapur with wide participation of students and staff of different faculties of the university.
- e) Students of PSB and Social Work jointly under the banner of Alexis Centre for Agriculture and Rural Development had organized two separate seminars/workshop on Democracy and Right to Information act in collaboration with Liberal Youth Forum, New Delhi in November 2012 and Legal awareness camp with active support and participation of Legal Services Authority of Birbhum District and Bolpur Sub-Divisional Court in January 2013.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

The UG and PG programme run by the institute are as per ICAR regulation and recognized by the ICAR. The institute is recognized by both ICAR and UGC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Innovations in teaching:

- a) Knowledge imbibitions from the campus life with greeneries and rich biodiversity, cordial ambience and simplicity of life style, cultural affluence and openness of student –teachers’ relationship.
- b) Adoption of Choice Based Course Credit and Semester system of teaching both at UG and PG level.
- c) Use of multimedia in teaching deliberations
- d) Learning by doing project work, field visit etc.
- e) Sensitizing the students with the realities of the farming community and agricultural practices in the villages through one semester programme on Rural Agricultural Work Experience.

- f) Entrepreneurship skill through introduction of experiential learning courses (to be started from coming academic session).
- g) The institute offers three e-courses on Disaster Management and Research Ethics and Intellectual Property Rights compulsorily to all the PG students.

Innovations in research:

- a) Release, multiplication and successful establishment of Mexican beetle (*Zygogramma bicolorata*) – an insect bio-agent on noxious weed *Parthenium* (*Parthenium hysterophorus*) in the districts of Birbhum and parts of Burdwan and Bankura.
- b) Identification, evaluation and recommendation of competitive local plants for replacement of *Parthenium*.
- c) Improved weed management technologies in different crops and cropping systems
- d) Weed management under reduced/zero tillage in rice-yellow sarson, rice-wheat cropping system.
- e) Agro-technology of hybrid rice production in the lateritic belt of West Bengal
- f) Agro-technology of baby corn production
- g) Mulching and other soil conservation technologies in rainfed crops.
- h) Alternate method of rice cultivation such as direct seeded rice, drum seeding of rice and system of rice intensification (SRI) which can save water, money and ecofriendly.
- i) Integrated nutrient management in different crops and cropping systems.
- j) Vermicomposting technology and improved vermicompost with microbial fortification
- k) Vermicomposted fly ash technology – an eco-friendly disposal of fly ash
- l) GIS based soil fertility mapping
- m) Identification suitable genotype(s) for direct use as variety and/ or indirect use in cross-breeding programme for utilization of heterosis effect in F₁ generation or isolation of promising segregants in advanced generation of breeding.
- n) Identification of resistant/ tolerant lines of taro and sweet potato stress resistance/tolerance breeding programme for use by growers.
- o) Gene for resistance to gall midge in rice has been identified through RAPD markers which will help in molecular breeding of rice.
- p) Breeding for increasing physiological efficiency of sesame helping in changing the physiological rhythm of sesame with efficient plant type for rice based cropping system.

- q) Improved techniques for vegetative propagation of some fruit crops have been developed.
- r) Integrated Nutrient Management for some fruits, vegetables, flowers and medicinal plants have been standardized.
- s) Trials on organic farming and post harvest management of different horticultural crops are going on.
- t) Initiation of Hi-tech Horticulture with special reference to micro-irrigation, polyhouses etc.
- u) Contribution in developing impact analysis tools of different projects and programmes, reliability analysis of complex systems, studies of inequality in food security etc.
- v) Sustainable management of brinjal fruit and shoot borer in egg plant, important insect-pests of rice and management of bacterial wilt in a eco-friendly way has been developed.
- w) Introduction of new technology and concept of Horticulture – cultivation of aromatic grasses under wasteland areas.

Innovations in extension:

- a) Demonstration plots on improved techniques of commercial vegetable cultivation.
- b) 'On Farm' trials on improved agro-techniques on fruit, vegetable and aromatic crops are going on as method as well as result demonstrations to the growers.
- c) Conducting some PG and Ph. D. research in farmers field
- d) Field visit and interactions with the farmers
- e) Scientists-Farmers meet
- f) Training programme by RKVK to practising farmers, women farmers and extension officials.
- g) Entrepreneurship Training by RKVK for rural youth.
- h) RKVK conducts 'On Farm Trial', 'Front Line Demonstration Trial' on improved agro-techniques at the farmers' field.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :

a) Strengths:

- i) The heritage of the institute with ideals and vision of Nobel Laureate Rabindranath Tagore, his son Rathindranath Tagore, first Vice-chancellor of Visva-Bharati and the great philanthropist Leonard K Elmhirst providing constant source of inspiration.
- ii) Existence of cordial ambience among teachers, students and other staff of

the institute effective for teaching and learning process.

- iii) Dedicated faculties of national and international reputation and mutual respect among present and former faculties who benevolently extend their advice and all sort of cooperation.
- iv) At the entry level of UG programme creamy layer of students next to medical and engineering discipline opt for agriculture discipline and they also earn fame for the institute with their extra-ordinary performance in All India level ICAR-JRF Exams, JNU and BHU Entrance Test for PG programme, ICAR- NET, Banking Service, School Service and various other competitive examinations.
- v) Perpetuation of constructive interaction with so many alumni of the institute serving national and international research institutes, universities and administration at different levels.

b) Weakness:

- i) Infrastructural inadequacy such as teacher' seating room, laboratory space, PG and Ph D classroom space, ladies hostel, PG and Ph. D. scholar hostel.
- ii) Acute shortage of qualified administrative, supporting and technical staff at the departmental level and lack of students at PG level with impressive academic record and enthusiasm as most of our UG students are admitted to other Universities/Institutes through ICAR, many of them with fellowship.
- iii) Inadequate research infrastructure with no field and research assistant, lacking of modern laboratory facilities with laboratory personnel, lack of manpower and modern facilities at Agricultural Farm, Dairy Farm and Horticultural Farm.

c) Opportunities:

- i) Ample opportunity to cater to the need of agricultural education to the students of rural area of the locality as this district is still enlisted as one of the backward districts of the state.
- ii) Provided with research infrastructural facilities, intake for PG and Ph. D. programme can still be increased and post-doctoral studies and also other short term vocational oriented certificate course can be started.
- iii) Developing active collaborative research and extension work with Agriculture Dept. of Govt. of WB getting access to their research farms nearby and also with NGOs and Corporate sectors.
- iv) There is scope of interdisciplinary teaching, research and extension work within the Visva-Bharati University with collaborative approaches particularly with the Departments of Botany, Biotechnology, Statistics,

Computer Science and Environmental Sciences of Siksha Bhavana; Departments of Economics and Geography of Vidya Bhavana and Departments Social Work, Rural Extension Centre and Palli Charcha Kendra of Palli Sangathan Vibhaga.

- v) Farmer advisory service with a Kisan Call Centre can be established to cater the need of farmers in challenging scenarios of global free trade regime and rapid climate change.

d) Challenges:

- i) More numbers of students from urban area are coming to agriculture discipline whereas promising students of rural area are still not sufficiently aware with the dignity and prospect of agricultural education. Therefore, selecting more numbers students with rural back ground for agriculture education is a great challenge.
- ii) Research priority needs to be oriented toward organic farming and integrated farming system in the context of increasing input cost, soil health problem and sustenance of livelihood and on rain water management including rain water harvesting and irrigation research particularly micro-irrigation system.
- iii) To orient the students' attitude toward self entrepreneurship instead of job orientation learning of agriculture.
To attract students from other states and abroad with strong academic enthusiasm particularly at PG and Ph. D. level.

52. Future plans of the department:

- a) Efforts have been initiated for splitting the present composite departments into departments of each subject keeping parity with the departments at national context.
- b) There are proposals to start new PG courses in the disciplines such as Agricultural Engineering and Poultry Science.
- c) Modernisation of Agricultural Farm, Dairy Farm and Horticultural Farm has been initiated with the grants of ICAR.
- d) The courses on Experiential Learning will be initiated in coming academic year to impart the agricultural graduate entrepreneurship orientation.
- e) Construction of new PG and Ph.D. scholar hostels and renovation of existing boys' and girls' hostel has been planned.
- f) There is a plan to have centralised multidisciplinary research facilities with availing grants from ICAR, UGC or some corporate sectors.
- g) The institute is pondering with an idea to initiate a seminar series with eminent speakers for the students and to organise regularly personality development

oriented motivational discussion/counselling for students as well as faculties and other staff of the institute.

- h) Collaborative interdisciplinary teaching, research and extension programme with other departments of the university are being explored by the institute.

Evaluative Report of the Department of ASEPAN

1. Name of the Department : ASEPAN

The Department consists of six disciplines namely Agronomy, Soil Science, Agril. Engg., Plant Physiology & Animal Science, that has been abbreviated as The Department of ASEPAN. The Department mainly involves in teaching (UG, PG and Ph.D), research and extension works. The Department has been offering two post graduate courses namely, M.Sc. (Ag) in Agronomy and M.Sc. (Ag) in Soil Science & Agricultural Chemistry and Ph. D. programmes are running in all mentioned disciplines.

2. Year of establishment : 1989

3. Is the Department part of a School/Faculty of the university? Yes, The Department is a part of a faculty of the University.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : UG (interdisciplinary), PG (in Agronomy and Soil Science&Agril. Chemistry) and Ph.D.(in each disciplines under traditional system)

5. Interdisciplinary programmes and departments involved: Purely inter disciplinary programmes in UG courses. The Department is also involved inter-disciplinary courses in PG programmes such as: Disaster Management, Basic Concepts in Laboratory Techniques, Agriculture Research, Research Ethics and Rural Development.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Ph. D research work in collaboration with Universities like BCKV, UBKV, OUAT (Bhubaneswar), BAU (Ranchi), WBUAFS (Belgachia), CAU(Imphal), ICAR Institutes like CRIJAF, CARI, IISR, etc. Central Sericulture Training and Research Institute and State Research Institutes.

7. Details of programmes discontinued, if any, with reasons: There is no such programme discontinued.

8. Examination System: Semester system/Choice Based Credit System.

9. Participation of the department in the courses offered by other departments:

Within Institute: Courses like Principles and Practices of Weed Management, Growth and Development of Fruit, Vegetable and Ornamental Crops, Agronomy of Pulse Crops, Soil Erosion and Conservation.

Outside the Institute: Courses like Agriculture Farm Training, Animal Husbandry offered to Social Work Department, PSV, VB.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 1 | 0 | 6 (1 vacant) |
| Associate Professors | 5 | 4 | 5 (1 vacant) |
| Asst. Professors | 19 | 18 | 11(1 vacant) |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) Name : Prof. A. K. Barik
 Qualification : M.Sc. (Ag), Ph. D
 Designation : Professor
 Specialization : Crop Husbandry
 No. of Years of Experience : 20
 No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- b) Name : Dr. B. Duary
 Qualification : M. Sc (Ag), Ph. D
 Designation : Associate Professor
 Specialization : Weed Management, Agro Meteorology, Cropping system
 No. of Years of Experience : 14¹/₂
 No. of Ph.D./M.Phil. students guided for the last 4 years : 3 + 6 (continuing)
- c) Name : Dr. G. C. Malik
 Qualification : M. Sc (Ag), Ph. D
 Designation : Associate Professor
 Specialization : Crop Husbandry
 No. of Years of Experience : 13

- No. of Ph.D./M.Phil. students guided for the last 4 years** : 4+5(continuing)
- d) **Name** : Dr. S. K. Maity
Qualification : M. Sc (Agro.), Ph. D
Designation : Assistant Professor
Specialization : Crop Husbandry
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- e) **Name** : Dr. K. Pramanik
Qualification : M. Sc (Agro.), Ph. D
Designation : Assistant Professor
Specialization : Dryland Agric., Water & nutrient Management
No. of Years of Experience : 7½
No. of Ph.D./M.Phil. students guided for the last 4 years : 5 (continuing, 1-submitted)
- f) **Name** : Dr. (Mrs.) M. Banerjee
Qualification : M. Sc (Agro.), Ph. D
Designation : Assistant Professor
Specialization : Crop Husbandry
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : 06(continuing)
- g) **Name** : Dr. N. C. Sarkar
Qualification : M. Sc (Agro.), Ph. D
Designation : Assistant Professor
Specialization : Crop Husbandry
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- h) **Name** : Prof. A. K. Chatterjee
Qualification : M. Sc (Ag.), Ph. D
Designation : Professor
Specialization : Soil Fertility, Soil Chemistry
No. of Years of Experience : 27

- No. of Ph.D./M.Phil. students guided for the last 4 years : 02**
- i) **Name : Prof. S. R. Mitra**
Qualification : M. Sc., Ph. D
Designation : Professor
Specialization : Agril. Chemistry & Biochemistry
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- j) **Name : Prof. G. K. Ghosh**
Qualification : M. Sc. (Ag.), Ph. D
Designation : Professor
Specialization : Soil Fertility, Soil Chemistry, plant nutrition
No. of Years of Experience : 17
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- k) **Name : Dr. P. K. Biswas**
Qualification : M. Sc (Ag.), Ph. D
Designation : Associate Professor
Specialization : Soil Fertility, Soil Chemistry, plant nutrition
No. of Years of Experience : 12¹/₂
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- l) **Name : Dr. (Mrs.) S. Mondal**
Qualification : M. Sc (Ag.), Ph. D
Designation : Assistant Professor
Specialization : Soil Fertility
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- m) **Name : Dr. Y. V. Rao**
Qualification : Ph. D
Designation : Assistant Professor
Specialization : Biochemistry
No. of Years of Experience : 07
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 03
- n) **Name** : Dr. M. K. Kundu
Qualification : M. Sc (Ag.), Ph. D
Designation : Assistant Professor
Specialization : Soil Fertility, Soil Chemistry, Soil Physics
No. of Years of Experience : 05
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- o) **Name** : Prof. S. K. Pyne
Qualification : Ph. D
Designation : Professor
Specialization : Animal Reproduction, livestock & Environment
No. of Years of Experience : 28
No. of Ph.D./M.Phil. students guided for the last 4 years : 03(continuing)
- p) **Name** : Dr. J. K. Chatterjee
Qualification : Ph. D
Designation : Associate Professor
Specialization : Animal Production & Management
No. of Years of Experience : 25
No. of Ph.D./M.Phil. students guided for the last 4 years : 02(continuing)
- q) **Name** : Dr. R. Moitra
Qualification : M. Tech., Ph. D
Designation : Associate Professor
Specialization : Soil & Water conservation engineering
No. of Years of Experience : 32
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- r) **Name** : Dr. P. Kandasamy
Qualification : M. E. (Ag), Ph. D
Designation : Assistant Professor
Specialization : Agril. Processing & Food Engineering
No. of Years of Experience : 09¹/₂
No. of Ph.D./M.Phil. students

- guided for the last 4 years : Nil
- s) **Name** : Dr. K. C. Swain
Qualification : D. Engg. (Agril. Eng)
Designation : Assistant Professor
Specialization : Farm Mechanical, Climate change, Renewable Energy
No. of Years of Experience : 06
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- t) **Name** : Dr. D. Panda
Qualification : M. Sc (Ag) Pl. Phy. Ph.D
Designation : Assistant Professor
Specialization : Plant & stress Physio., Plant growth regulation
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- u) **Name** : Dr.(Mrs.) S. Mondal
Qualification : M. Sc (Ag) Pl. Phy. Ph.D
Designation : Assistant Professor
Specialization : Stress Physiology, tissue culture
No. of Years of Experience : 09 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Dr. Humberto Gonza'lez Rodriguez (UNAL, Mexico)
- b) Mr. M. K. Narayanan (Hon'ble Governor, West Bengal & Rector, Visva-Bharati)
- c) Dr. M. Nendunchezhyan (CTCRI, ICAR, Bhubaneswar)
- d) Dr.(Mrs) Kuhu Raha (Regional Manager, ACIAR, South Asia)
- e) Dr. Mangilal Jat (CYMMIT, New Delhi)
- f) Prof. C. S. Chakraborty, Vice Chancellor, WBUAFS (Belgachia)
- g) Dr. C. Debkumar (ADG, ICAR, New Delhi)
- h) Dr. A. R. Sharma (Director, DWSR, Jabalpur)
- i) Prof Sisir K. Mukhopadhyay, Emeritus Professor.
- j) Prof. Biswapati Mondal, BCKV
- k) Prof. Amitabha Rakshit, BHU
- l) Prof. Amlan Kumar Ghosh, BHU

- m) Prof. Priyanka Raha, BHU
- n) Prof. G.C. Hazra, BCKV
- o) Prof. A.K.Saha, UBKV
- p) Prof. A.K.Sarkar, Birsa Agri. Univ.
- q) Prof. G.H.Santra, OUAT

13. Percentage of classes taken by temporary faculty — programme-wise: There is no such programme.

14. Programme-wise Student Teacher Ratio :

| Programmes | Student: Teacher (cumulative) | Remarks |
|--------------------------|----------------------------------|---|
| UG (Shared), PG & Ph. D. | 14.3 : 1 | There are no separate teachers for different programmes. Same teachers are engaged in UG, PG and Ph. D programmes |

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------|------------|--------|--------------|
| Technical | 9 | 6 | 6 (3 vacant) |
| Administrative | 1 | 1 | 1 |

16. Research thrust areas as recognized by major funding agencies:

- a) Soil Fertility Management
- b) Integrated Weed Management
- c) Soil Moisture Conservation techniques
- d) Vermi-composting technology
- e) Soil Health Improvement through organic matter use
- f) Use of Fly Ash
- g) Use of Rock phosphate

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Faculty involved | | Grant Received (2009-2013) |
|------------------|----------|-------------------------------|
| National | 4 | 206.2 lakhs |
| International | 2 | 3.96 lakhs |
| Total | 6 | 210.16 lakhs |

| Name of Faculty(s) | Title of the Project | Funding Agency | Grants received(Rs.) |
|--|---|---|----------------------------|
| Prof. B. K. Saren | Drought management of jute under deficit rainfall areas | CRIJAF, ICAR, New Delhi | 13.45 lakhs (Upto 2011-12) |
| Dr. B. Duary | All India Coordinated Research Programme on Weed Control | ICAR, New Delhi | 37 lakhs /year |
| Dr. B. Duary | Bioefficacy of propaquizafop in jute (EPJ). | Makhtesim Agan India Pvt. Ltd., Hyderabad | 1.98 lakhs |
| Dr. B. Duary | Bioefficacy of Bensulfuron-methyl in transplanted Rice (BBTR) | Crystal Crop Protection Pvt. Ltd., New Delhi | 5.28 lakhs |
| Dr. B. Duary | Bioefficacy of Bispyribac sodium in Rice (BBSR) | Crystal Crop Protection Pvt. Ltd., New Delhi | 3.19 lakhs |
| Dr. B. Duary | National Invasive Weed Surveillance (NIWS) Project (Completed in September, 2010) | Ministry of Agriculture and Cooperation, Govt. of India | 12 lakhs |
| Dr. G. C. Malik | Bio+Phytotoxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario | Syngenta | 8.2 lakhs |
| Dr. G. C. Malik (PI) Dr.(Mrs.)M. Banerjee (Co PI) | Bio efficacy and Phytotoxicity evaluation of some herbicides and | Bayer | 5.58lakhs |

| | | | |
|--|--|--|-------------|
| | insecticides in different crops against different weeds and insect scenario | | |
| Dr. G. C. Malik & Dr.(Mrs.)M. Banerjee | Nutrient optimization and yield intensification of major cereal systems of eastern India | IPNI | 3.96 lakhs |
| Dr.(Mrs.)M. Banerjee | Evaluation of fertilizer potential of sea weed saps on different crops | CSIR-CSMCRI | 8.52 lakhs |
| Prof. G. C. De | Evaluation of different Godrej products (completed in 2012-13) | Godrej Agrovet Ltd, Mumbai | 0.40 lakhs |
| Prof. G. C. De | Evaluation of hybrids of some field crops. (completed in 2012-13) | Devgen Seeds corporation Ltd., Hyderabad | 0.50 lakhs |
| Dr. K. Pramanik | Trial on different grades of customized fertilizers on growth and yield of aman as well as boro paddy. | Indo-Gulf Fertilizers | 0.77 lakhs |
| Dr. K. Pramanik | Trial on different grades of customized fertilizers on growth and yield of potato. | Indo-Gulf Fertilizers | 0.715 lakhs |

18. Inter-institutional collaborative projects and associated grants

- a) **National collaboration:** Technology Mission on Jute (MM-1.5) collaborative project with CRIJAF (ICAR), Barrackpore and grant received Rs.13.45 lakhs.
- b) **International collaboration:** Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total

grants received: 181.97 lakhs.

20. Research facility / centre with

- a) **state recognition :** Soil Testing Laboratory
- b) **national recognition:** AICRP-Weed Control
- c) **international recognition:** does not exist

21. Special research laboratories sponsored by / created by industry or corporate bodies: There is no special research laboratories sponsored by industries.

22. Publications:

- a) **No. of papers published in peer reviewed journals:**
 - i) **National/International:** 140
- b) **Monographs:** 19
- c) **Chapters in Books:** 43
- d) **Edited Books:** 05
- e) **Books with ISBN with details of publishers:**
 - i) Maiti, R.K. and Sarkar, N.C, Advances in Agro-technology, Puspa Publishing House, Kolkata, 2012, (ISBN 978-81-920073-6-6).
 - ii) Maiti, R.K. and Sarkar, N.C, Advances in Rice Science, New Delhi publishers, New Delhi, 2010, (ISBN 978-81-907421-5-3).
 - iii) Maiti, R.K., Humberto González Rodríguez, Sarkar, N.C., Advances in tomato technology, New Delhi publishers, New Delhi, 2009 (ISBN 978-81-907-421).
 - iv) Kandasamy, P., Studies on Farm-Mat drying of Papaya (*Carica papaya*) fruit, LAB LAMBERT Academic Publishing, Saarbrücken, Germany, 2013, ISBN: 978-3-659-37432-6.
 - v) Swain, K.C., Precision Agriculture Technology Application, LAB LAMBERT Academic Publishing, Saarbrücken, Germany, 2013, ISBN: 978-3-659-47275-6.
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** 42
- d) **Citation Index — range / average:** 80
- e) **SNIP:**
- f) **SIR:**
- g) **Impact Factor — range / average:** 0-6.91
- h) **h-index:** 4-7

23. Details of patents and income generated: No patent obtained.

- 24. Areas of consultancy and income generated:** Faculties provide consultancy to farmers and technical staffs etc. free of charge.
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Prof. S. K. Pyne visited Las Vegas and Institute of Los Angeles and Chicago in USA during 21-29th July, 2013.
 - Dr. B. Duary visited Cairns, Australia-2011 and Padjadjaran University, Bandung, Indonesia-2013
 - Prof. A. K. Barik, Prof. B. K. Saren, Dr. G. C. Malik, Dr. K. Pramanik visited CRIJAF, ICAR Barckpore, West Bengal in 2012 and 2013.
 - Dr. B. Duary visited UAS, Karnataka (2009), TNAU, Tamil Nadu (2009 and 2011), KAU, Kerala (2012), HPKV, Himachal Pradesh (2013).
 - Dr. S. K. Maity visited CIMAP, Lucknow (2010), DWR, Karnal, Haryana (2011), CRIDA, ICAR and ICRISAT Hyderabad (2012), CAZRI, ICAR, Rajasthan (2013).
 - Dr. K. Pramanik and Dr. (Mrs.) S. Mondal visited CPRI NEH Station, Shillong (2013).
 - Prof. G.K. Ghosh and Dr. P. K. Biswas visited NIRJAFT, Kolkata (2013).
 - Dr. Y.V.Rao visited Andhra University, Visakhapatnam, Devi Ahalyabai Visva Vidyalaya, Indore, National Institute of Nutrition, Hyderabad
- 26. Faculty serving in**
- National committees:**

Prof. A.K. Chatterjee –

 - External member of the Faculty Council of B.C.K.V., West Bengal.

Prof. B.K. Saren –

 - External Expert Member of Assessment Committee for promotion of Technical Posts by ASRB, ICAR, New Delhi

Dr. B. Duary –

 - Member of the executive committee of the Crop and Weed Science Society.
 - Councilor (West Bengal) of India Society of Weed Science.
 - Councilor (West Bengal) of India Society of Agronomy.
 - International committees:**
 - Editorial Boards:**

Dr. N. C. Sarkar –

 - Managing Editor, *International Journal of Bio-resource and Management*.

Dr. B. Duary –

 - Member of the Editorial Board, Indian Journal of Weed Science.

d) Any other (please specify):

Dr. B. Duary –

- i) Resource Person of ICAR in 2010 and 2011 for presenting the network activities (Transfer of Technology) of 22 AICRP-Weed Control centres.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| NAME OF THE FACULTIES | PROGRAMME(S) ATTENDED | DURATION | ORGANISED BY |
|----------------------------------|--|----------|---|
| Dr. B. Duary and Dr. G. C. Malik | UGC sponsored 15 th Refresher Course on Environmental Science, 2009 | 21 days | UGC Academic Staff College, Burdwan |
| Dr. M. Banerjee | UGC sponsored 18 th Refresher Course on Environmental Science, 2011 | 21 days | UGC Academic Staff College, Burdwan |
| | UGC sponsored 71 st Orientation Course 2010 | 28 days | UGC Academic Staff College, Burdwan |
| Dr. Y. V. Rao | UGC sponsored 4 th Refresher Course in Life Sciences, Nov. 3 – 23, 2012 | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| | UGC sponsored 78 th Orientation Program, Jan.11 – Feb.7, 2011 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. S. K. Maity | UGC sponsored Refresher Course Agricultural Science, 2011 | 21 days | BHU, Varanasi, UP |
| | ICAR short course on Participatory Research Appraisal at Karnal, 2011 | 10 days | DWR, Karnal, Haryana |
| | ICAR short course on Research Methodology, 2012 | 10 days | CRIDA, Hyderabad, AP |
| | ICAR short course on Research Methodology, 2013 | 10 days | CAZRI, Jodhpur, Rajasthan |
| Dr. K. | UGC sponsored Refresher 18 th | 21 days | UGC-Academic |

| | | | |
|-----------------|---|---------|---|
| Pramanik | Course on Environmental Science | | Staff college, University of Burdwan, Burdwan. |
| | UGC sponsored 70th Orientation Course during 16th May-12 th June, 2009 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan |
| Dr. D. Panda | UGC sponsored 6 th Refresher Course on computer study on 29 th Jan-18 th Feb, 2009 | 21 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| | UGC sponsored 70th Orientation Course during 16th May-12 th June, 2009 | 28 days | UGC-Academic Staff college, University of Burdwan, Burdwan. |
| Dr. G. C. Malik | National Training on Advances in Weed Management, 2013 | 10 days | DWSR (ICAR), Jabbalpur |

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100% of PG students do in-house projects including interdepartmental projects in the form of dissertation work.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** 60 % of Ph. D. students do projects in collaboration with other universities / institute.

29. Awards / recognitions received at the national and international level by

a) Faculty:

- i) Prof. D. C. Ghosh was recognized as Fellow of West Bengal Academy of Science & Technology
- ii) Prof. S. K. Pyne is recognized as Paul Harris Fellow, USA in connection with his association with the activities of Rotary International.
- iii) Dr. B. Duary- Recognition award 2011 by DWSR, ICAR for successful completion of NIWS project –Ministry of Agriculture and Cooperation, Govt. of India.

- iv) Dr. B. Duary- Bharat Siksha Ratan Award (2010) from Global Society for Health and Educational Growth, New Delhi for excellence in chosen field of activity.
- v) Dr. Y. V. Rao received Fellow Award from Society of Applied Biotechnology (SAB) 2012.

Young Scientist -3

- i) Dr. B. Duary-- Young Scientist Award-2009 by Crop and Weed Science Society.
- ii) Dr. K. Pramanik –Young Scientist Award-2013 by Ratikanta Maiti Foundation.
- iii) Dr. K. Pramanik- Young Scientist Award-2013 by Crop and Weed Science Society.

Best Presentation Awards - 4

- i) Dr. Y. V. Rao received Best Oral Presentation Award in the National Seminar on Agriculture and Biosafety in Changing Scenario, 2014.
- ii) K. Pramanik received best poster presentation under the category of Biodiversity, Forestry and Biogeography in “The First International Conference on Bio-resource and Stress Management”, 2013
- iii) K. Pramanik received best poster under the category of Crop diversification, soil health and sustainable agriculture in “The First International Conference on Bio-resource and Stress Management”, 2013
- iv) Prof. B.K. Saren received best poster under the category of Crop diversification, soil health and sustainable agriculture, Session-III in “The First International Conference on Bio-resource and Stress Management”, 2013
- v) Dr. K.C. Swain received best paper award on “ Potential and Prospectus of Greenhouse Agriculture in India” in 9th National Youth Science Congress, held at Visva-Bharati Santiniketan, 2013.

b) Doctoral / post doctoral fellows:

- i) Dr. K.C. Swain awarded Postdoctoral Fellow at Aarhus University, Denmark in 2009-10.

c) Students:

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Golden Jubilee Seminar on Advances in Agricultural Research towards Food Security and Environmental Sustenance, 1-3 Sept, 2012 funded by IPNI, NABARD, and some corporate sectors

Outstanding participants: Prof. M. S. Swaminathan, Prof. M. K. Dasgupta; Prof. S. K. Mukhopadhyay; Prof. Aminul Islam, former VC, Dhaka National University and Daffodil International University, Bangladesh; Prof. Sirajul Haque, Dhaka University, Bangladesh, Dr. Swapan Datta, DDG (Crop Science), ICAR, New Delhi; Prof. A. C. Sinha, officiating VC, UBKV, Cooch Behar; Dr. K. Majumder, IPNI; Dr. M. L. Jat, CIMMYT; Dr. A. P. Sharma, CIFRI, Barrackpore; Dr. Soumitra Das, International Zinc Association.

- a) National seminar on “Safe Food for All” 21-23 Feb, 2012 funded by Raja Rammohan Library Foundation, Ministry of Culture, Govt. of India and ICAR and some corporate sectors.

Outstanding participants: Rabindranath Bhattacharyya, Minister in Agriculture, Govt. of West Bengal; Prof. Aminul Islam, former VC, Dhaka National University and Daffodil International University, Bangladesh; Prof. Ashim Chowdhury, Calcutta University; Prof. A. Chakrabarty, WBUAFS, Kolkata; Prof. P. Halder, Visva-Bharati; Prof. A. Zaman, BCKV, Kalyani; Prof. P. K. Sahoo, BCKV, Kalyani

- b) National seminar on “Agriculture and Bio-security in Changing Scienario”, 1-3 Feb, 2013. Funded by NABARD, University Grant, ICAR and some corporate sectors

Outstanding participants: Prof. D. Dasgupta, ex-VC, BCKV, Kalyani; Prof. (Mrs.) Sabujkali Sen; Prof. K. Sengupta, BCKV, Kalyani; Prof. (Mrs.) Bandana Bose, BHU, Varanasi; Dr. Y. V. Singh, IARI, New Delhi; Dr. P. J. Mishra, OUAT, Bhubaneswar; Prof. I. Bhattacharya, BCKV, Kalyani; Prof. C. S. Chakravarti, VC, WBUAFS, Kolkata and Prof. T. K. Mondal, WBUAFS, Kolkata

31. **Code of ethics for research followed by the departments:** All relevant codes of ethics for research as laid down in University rules are followed.

32. **Student profile programme-wise:**

| Name of the Programme (refer to question no. 4) | Application received | Selected | | Pass percentage | |
|---|----------------------|----------|--------|-----------------|------------|
| | | Male | Female | Male | Female |
| M. Sc (Ag) Agronomy- 2012 | 117 | 11 | 1 | 9.4 | 0.9 |
| M. Sc (Ag) Agronomy- 2013 | 160 | 13 | 0 | 8.1 | 0.0 |
| M.Sc(Ag) Soil Sci.&Ag.Chem- 2012 | 48 | 1 | 0 | 2.1 | 0.0 |
| M.Sc(Ag) Soil | 23 | 3 | 1 | 13.0 | 4.3 |

| | | | | | |
|-------------------|----|----|---|-------------|------------|
| Sci.&Ag.Chem-2013 | | | | | |
| Ph. D. (2012-13) | 52 | 13 | 4 | 25.0 | 7.7 |
| Ph. D. (2013-14) | 53 | 16 | 5 | 30.2 | 9.4 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M. Sc(Ag.) Agronomy 2012 | 60 | 0 | 40 | 0 |
| M. Sc(Ag.) Agronomy 2013 | 35.7 | 7.1 | 58.2 | 0 |
| M. Sc(Ag) Soil Sc.& Ag. | 0 | 33.3 | 66.7 | 0 |
| Ph. D | 38.03 | 22.54 | 39.44 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

| Competitive Examinations | No. of students cleared during 2009-2013 |
|---|--|
| ICAR-NET Examination | 1. Amal Bera (Agronomy) 2. Mainak Ghosh (Agronomy) 3. Swaha Shee (Agronomy) 4. Wasim Iftikar (Agronomy) 5. Kaushik Mondal (Agronomy) 6. Anita Hansda (Agronomy) 7. M. Mallikarjun (Agronomy) 8. Manas Kumar Mondal (Agronomy) |
| West Bengal Agricultural Administrative Service | 1. Kajal Saha (Agronomy) 2. Abhijit Mondal (Agronomy) 3. Rajesh Saha (Agronomy) |
| Banking Service | 1. Anirban Roy (Agronomy) 2. Shreeparna Saha (Agronomy) 3. Jyotirmoy Mondal (Agronomy) 4. Arnab Datta (Agronomy) |
| School Services | 1. Shekhar Singh Mura (Agronomy) |

| | |
|-------------|--|
| Examination | 2. Subhranath Hens (Agronomy) 3. Sumana Ghosh (Agronomy) 4. Chittapriya Chowdhury (Agronomy) 5. Rupali Dom (Agronomy) |
|-------------|--|

35. Student progression:**Programme: M. Sc. (Ag.) in Agronomy**

| Student progression | Percentage against enrolled | | | |
|---------------------------------|-----------------------------|---------|---------|---------|
| | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
| PG to M.Phil. | 0 | 0 | 0 | 0 |
| PG to Ph.D. | 37.5 | 30 | 20 | 61.5 |
| Ph.D. to Post-Doctoral | 0 | 0 | 0 | 0 |
| Employed | | | | |
| • Campus selection | 50 | 10 | 0 | 0 |
| • Other than campus recruitment | 12.5 | 60 | 70 | 30.8 |
| Entrepreneurs | - | - | - | - |

Programme: M. Sc. (Ag.) in Soil Science & Ag. Chemistry

| Student progression | Percentage against enrolled | | | |
|---------------------------------|-----------------------------|----------|---------|---------|
| | 2009-10 | 2010-11* | 2011-12 | 2012-13 |
| PG to M.Phil. | 0 | - | 0 | 0 |
| PG to Ph.D. | 50 | - | 50 | 50 |
| Ph.D. to Post-Doctoral | | - | | |
| Employed | | | | |
| • Campus selection | 0 | - | 0 | 0 |
| • Other than campus recruitment | 50 | - | 50 | 0 |
| Entrepreneurs | 0 | 0 | 0 | 50 |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | 22.7% |
| from other universities within the State | 59.1% |
| from universities from other States | 18.2% |
| from universities outside the country | NIL |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 03**38. Present details of departmental infrastructural facilities with regard to**

- Library -01 (Includes students' thesis, Department News letter, books)
- Internet facilities for staff and students : Available
- Total number of class rooms : 04
- Class rooms with ICT faculty: 01
- Students laboratories :04
- Research laboratories: 02

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university: 27
- from other institutions/ universities : 43

List of Doctoral students:

| SL.NO | NAME OF THE STUDENT | State | Remarks |
|-----------------|--------------------------|---------|---------|
| AGRONOMY | | | |
| 44. | ABHIJIT MANDAL | WB | Working |
| 45. | ANUPAM MUKHERJEE | WB | Working |
| 46. | BHABANI SANKAR NAYAK | Odisha | Working |
| 47. | DHIMAN SEN | WB | Working |
| 48. | KISHORE CHANDRA SAHOO | Odisha | Working |
| 49. | MALAY KUMAR BHOUMICK | WB | Working |
| 50. | NANGTHOMBAM ANANDO SINGH | Manipur | Working |
| 51. | PRABIR KUMAR SAHA | WB | Working |
| 52. | PRAMILA NAYAK | Odisha | Working |
| 53. | SUSHANTA KUMAR JATA | Odisha | Working |
| 54. | TUSHAR RANJAN MOHANTY | Odisha | Working |
| 55. | ANITA MAHAPATRA | Odisha | Working |

| | | | |
|--|--------------------------|------------|---------|
| 56. | ANSHUMAN NAYAK | Odisha | Working |
| 57. | BHABANI SANKAR BISHOYI | Odisha | Working |
| 58. | BISWA RANJAN NAYAK | Odisha | Working |
| 59. | KINGKAR DEYTARAFDER | WB | Working |
| 60. | LOKNATH SHARMA | WB | Working |
| 61. | PADMAJA GUPTA | Jharkharnd | Working |
| 62. | RATIKANTA MAHANTA | Odisha | Working |
| 63. | SUMANA GHOSH | WB | Working |
| 64. | SWAHA SHEE | WB | Working |
| 65. | WAIKHOM JITEN SINGH | Mainipur | Working |
| 66. | AKSHAYA KUMAR SETHY | Odisha | Working |
| 67. | ASIM CHANDRA DASH | Odisha | Working |
| 68. | MANDIRA CHAKRABORTY | Tripura | Working |
| 69. | MD. GIASUDDIN | WB | Working |
| 70. | SAJEEB KUMAR BISWASI | Odisha | Working |
| 71. | SEKHAR SING MURA | WB | Working |
| 72. | SUBHRANATH HENSH | WB | Working |
| 73. | SUROJIT GOPE | WB | Working |
| 74. | TARAMA CHATTERJEE | WB | Working |
| 75. | ASHIM MIDYA | WB | Working |
| 76. | BHABANI SANKAR SATAPATHY | Odisha | Working |
| 77. | SAGARIKA MALIK | WB | Working |
| 78. | SOUVIK DALAL | WB | Working |
| 79. | SOMA MUKHERJEE | WB | Working |
| 80. | SPURTI MONDAL | WB | Working |
| 81. | TANMOY SHANKAR | Jharkhand | Working |
| 82. | M. MALLIKARJUN | AP | Working |
| 83. | AMALESH GHOSH | WB | Working |
| 84. | NAKUL MONDAL | WB | Working |
| 85. | BISWAJIT SAHA | WB | Working |
| 86. | NITYANANDA BAG | WB | Working |
| SOIL SCIENCE & AGRIL. CHEMISTRY | | | |
| 21. | ATHOKPAM HARIBHUSAHN | Odisha | Working |
| 22. | PARITOSH PATRA | WB | Working |
| 23. | SIDHARTHA MITRA | WB | Working |
| 24. | JIBANJIT SEN | Odisha | Working |
| 25. | SUMANTA KAR | WB | Working |

| | | | |
|---------------------------|------------------------|------------|---------|
| 26. | BIPLAB KUMAR PATI | WB | Working |
| 27. | MD. SOYEB ALI | WB | Working |
| 28. | ABHISEK SAHA | WB | Working |
| 29. | MD. ASIF IQBAL | WB | Working |
| 30. | BIBHUTI BHUSAN BEHERA | Odisha | Working |
| 31. | PRADIPTA BANERJEE | WB | Working |
| 32. | RUPABAKOR C. WARJRI | Odisha | Working |
| 33. | GOBINDA CHANDRA SHAHOO | Odisha | Working |
| 34. | LATA MALIK | Odisha | Working |
| 35. | PRADIPTA MAJHI | WB | Working |
| 36. | CHITTARANJAN SARANGI | WB | Working |
| 37. | SIDHARTHA MALICK | WB | Working |
| 38. | CHINDANANDA SINGH MURA | WB | Working |
| 39. | MONISANKAR BERA | WB | Working |
| 40. | ARUNAVA SAMANTA | WB | Working |
| 21. | MERRINE RAJU | Tamil Nadu | Working |
| ANIMAL SCIENCE | | | |
| 1 | SUJOY KUMAR SIKDAR | WB | Working |
| 2 | GOBINDA HALDER | WB | Working |
| 3 | NIRMAL KUMAR TUDU | WB | Working |
| 4 | PRATUSH BHASKAR | WB | Working |
| 5 | ARUNA CHAKRABORTY | WB | Working |
| AGRIL. ENGINEERING | | | |
| 2. | DINESH KUMAR RUSIA | Jharkhand | Working |

40. Number of post graduate students getting financial assistance from the university: **06**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes, Approval by BOS and Institute Board
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, Presented in BOS of the Department
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Yes, Presented in BOS of the Department

- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, Presented in BOS of the Department

43. List the distinguished alumni of the department (maximum 10):

- (a) Prof. G. C. De , Former Principal, PSB, Visva-Bharati
- (b) Prof. G. C. Mishra-OUAT, Bhubaneswar
- (c) Prof. (Mrs) Kamana Madhabi, ANGRAU,AP
- (d) Prof. A. Pratap Kumar Reddi, ANGRAU,AP
- (e) Dr. Alope Kumar Patra, OUAT, Bhubaneswar
- (f) Dr. P. Gobindakrishnan, CPRI, ICAR, Shimla, HP
- (g) Dr. Manoj Kumar Nanda, BCKV, Mohanpur
- (h) Dr. Ram Bilash Mallick, Associate Professor, CU, Kolkata
- (i) Dr. Krishna Gopal Mandal, Senior Scientist, WTC, ICAR, Bhubaneswar
- (j) Prof. Aswini Behera, OUAT, Bhubaneswar

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Dr. Humberto Gonza'lez Rodriguez (UNAL, Mexico) delivered a talk on Forest Management and Forest Products of Mexico in August, 2011 which attended by UG and PG students.

Dr. M. Nedunchezian, Principal Scientist (CTCRI, ICAR) made a presentation on Tuber crops in July, 2013.

45. List the teaching methods adopted by the faculty for different programmes:

Computer/ projector based teaching, field visit, demonstration plots etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- a) More than 50% of question papers are set by External experts.
- b) Annually the course curriculum is reviewed by BOS of the Department followed by Institute Board constituted of Senior Faculty Members and External Experts.

47. Highlight the participation of students and faculty in extension activities:

Farmers' Scientists Meet, Farmers' training meeting, All India Radio, Television programme etc.

48. Give details of "beyond syllabus scholarly activities" of the department:

- a) **Prof. B. K. Saren –**
 - i) Editor of UMUL a Literary Magazine in Santali
 - ii) Acted as Member of **Selection Committee & Judge, Sahitya Akademi, New Delhi,**
 - iii) Member of Translation Mission, **CIIL, Mysore.**

- iv) Member of West Bengal Santali Akademi upto May.2011.
- c) **Dr. (Mrs.) M. Banerjee** – NSS Programme Officer, Sriniketan, Visva-Bharati.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Department is recognized by ICAR and UGC.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
 - a) Release, multiplication and successful establishment of Mexican beetle (*Zygogramma bicolorata*) – an insect bio-agent on noxious weed *Parthenium* (*Parthenium hysterophorus*) in the districts of Birbhum and parts of Burdwan and Bankura.
 - b) Improved weed management technologies in different crops and cropping systems
 - c) Weed management under reduced/zero tillage in rice-yellow sarson, rice-wheat cropping system.
 - d) Agro-technology of hybrid rice production in the lateritic belt of West Bengal
 - e) Agro-technology of baby corn production
 - f) Weed management of rice under different crop establishment methods
 - g) Mulching and other soil conservation technologies in rainfed crops.
 - h) Identification, evaluation and recommendation of competitive local plants for replacement of *Parthenium*.
 - i) Integrated nutrient management in different crops and cropping systems.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**
 - a) Strengths :**
 - i) Faculty members published good quality research article in journal of international and national repute.
 - ii) Nationally and internationally recognized faculty members.
 - iii) Considerable number of students qualifies NET, Banking services and various other competitive examinations of national level.
 - iv) National and regional level seminars/workshops are organized time to time to exchange the knowledge and wisdom.
 - v) Faculty members are capable of handling national and international level collaborative projects.
 - b) Weaknesses :**
 - i) Infrastructural inadequacy
 - ii) Less number of full-time research students due to lack of research infrastructure in farm and labortory.

- iii) Less number of faculties in comparison to State Agricultural Universities.
- iv) Lack of experimental farm equipped with modern implements and irrigation facility

c) Opportunities

- i) Healthy and friendly environment for the students and faculties.
- ii) To open new PG courses in the disciplines like Agricultural Engineering, Plant Physiology and Animal Science.
- iii) Field work and village visit for firsthand experience
- iv) Updated syllabi and need based course curriculum are obtained from ICAR for developing every aspects.
- v) Collaborative research works within the University and with other institutions of the region.

d) Challenges

- i) To develop more linkage between the Department and Industry
- ii) To make up to date tutorial system and remedial coaching
- iii) To bring national/ international level research projects with adequate infrastructure
- iv) Availability of fund to send faculty member to attend national/international conferences and outreach programmes.
- v) To motivate the Departmental members for on-farm research works

52. Future plans of the Department:

- a) Introduction of M.Sc. Programme in Agricultural Engineering and Poultry Science
- b) Division of ASEPAN Department into three independent departments to improve teaching and learning quality.
- c) Improvement of Laboratory facility of the Department
- d) Effort has been initiated to publish a research journal with national recognition.
- e) Formation of new research oriented centers for the benefit of local farmers.
- f) Establishment of model organic farm has been planned.
- g) Mobile extension service to benefit the farmers at their door step.
- h) Establishment of a seed farm to supply good quality seeds of high yielding varieties of crops to farmers at cheaper cost.
- i) Revitalization programme of Agriculture farm and Dairy and Poultry farm will be initiated shortly.
- j) Research initiative on renewable energy source such as biogas and solar energy and their utilization have been taken.

Evaluative Report of the Department of CIHAB

1. **Name of the Department :** Crop Improvement, Horticulture & Agricultural Botany (CIHAB).

The Department of CIHAB, comprising three distinct disciplines viz. Genetics & Plant Breeding, Horticulture and Agricultural Botany, started functioning from 1989. Since its inception, the department offers various courses on Genetics & Plant Breeding, Horticulture and Agricultural Botany at U. G. level. The P. G. Programme in Horticulture started from the academic session of 1997-98 with an intake capacity of seven students per year. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in guiding students in research work leading to Ph. D. degree and extension activities. The faculty members conducted special classes exclusively for the purpose of JRF and guided final year B.Sc. (Ag.) Honours students for ICAR, JRF.

2. **Year of establishment :** 1989
3. **Is the Department part of a School/Faculty of the university?** The Department is part of the University
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG (Interdisciplinary), M.Sc(Ag) Horticulture; Ph.D (Genetics and Plant Breeding) and Ph.D (Horticulture).

5. **Interdisciplinary programmes and departments involved:**
The department is involved in interdisciplinary programmes in UG and PG.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Although there is no courses in collaboration with other Universities or Institutions, however some of our Ph. D. research work is being conducted in collaboration with different departments of the Institute, other Institute of the University such as Institute of Science (Siksha Bhavana); State Agricultural Universities such as OUA &T (Bhubaneswar), UBKV (Cooch Behar), BCKV (Kalyani); KVKs, Central Agricultural University (Imphal); ICAR Institutes; Indian Institute of Rubber Research and other State level research institute like Pulses and Oilseeds Research Station, Berhampore;

Rice Research Station, Chinsurah etc.

7. **Details of programmes discontinued, if any, with reasons:** No programme has been discontinued.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments:** The faculty members participate in the courses offered by other departments in the Institute.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned ⁺ | Filled | Actual (including CAS & MPS) |
|----------------------|-------------------------|--------|------------------------------|
| Professor | 1 | 1 | 2 |
| Associate Professors | 3 | 2 | 3 |
| Asst. Professors | 6 | 5 | 4 |
| Others | — | — | — |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Dr. P.S. Munsi
Qualification : Ph.D
Designation : Professor
Specialization : Floriculture, Medicinal and Aromatic plants
No. of Years of Experience : 32
No. of Ph.D./M.Phil. students guided for the last 4 years : 11
- b) **Name** : Dr. P. C. Kole
Qualification : Ph.D
Designation : Professor
Specialization : Plant Breeding
No. of Years of Experience : 21
No. of Ph.D./M.Phil. students guided for the last 4 years : 06(guiding 6)
- c) **Name** : Dr. Snehasish Chakravorty
Qualification : Ph.D
Designation : Associate Professor
Specialization : Olericulture & Floriculture

- No. of Years of Experience** : 18 (including BCKV, Cooch Behar service)
No. of Ph.D./M.Phil. students guided for the last 4 years : 03 (guiding 3)
- d) Name** : Dr. Amitava Paul
Qualification : Ph.D
Designation : Associate Professor
Specialization : Genetics & Plant Breeding
No. of Years of Experience : 15
No. of Ph.D./M.Phil. students guided for the last 4 years : 02 (guiding 5)
- e) Name** : Dr. Goutam Mandal
Qualification : Ph.D
Designation : Associate Professor
Specialization : Horticulture
No. of Years of Experience : 15 (including ICAR service)
No. of Ph.D./M.Phil. students guided for the last 4 years : Yet to be allotted
- f) Name** : Dr. J. Mandal
Qualification : Ph.D
Designation : Assistant Professor (Grade-III)
Specialization : Olericulture
No. of Years of Experience : 12 (including UBKV, Cooch Behar service)
No. of Ph.D./M.Phil. students guided for the last 4 years : 03 (guiding 1)
- g) Name** : Dr. N.R. Chakraborty
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Genetics & Plant Breeding
No. of Years of Experience : 2 $\frac{1}{2}$
No. of Ph.D./M.Phil. students guided for the last 4 years : 01 (guiding)
- h) Name** : Dr. Prahlad Deb
Qualification : Ph.D
Designation : Assistant Professor
Specialization : Pomology & Post-harvest Technology
No. of Years of Experience : 04 (including other service)

No. of Ph.D./M.Phil. students**guided for the last 4 years : Nil****12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**

List of senior Visiting Fellows, adjunct faculty, emeritus professors-
 Prof. T. K. Bose; Dr. D. Mukherjee; Prof P.K. Chattapadhyay; Prof. T.K. Chattapadhyay; Prof. P. K. Das; Prof. S. N. Ghosh, Prof. A. K. Chakraborty; Prof. D. K. De; Prof. P. K. Mahapatra; Prof. Tapas Dasgupta, Dr. S. J. Jambulkar, Dr. Prasun K. Mukherjee and others.

13. Percentage of classes taken by temporary faculty — programme-wise:

| Name of the faculty | Duration of teaching | Courses taught | Approximate percentage of classes taken against the courses |
|---------------------|--------------------------|-------------------------------------|---|
| Dr. Prahlad Deb | 06.11.2011 to 25.11.2012 | Different UG and PG (M.Sc.) courses | UG Courses: 35% PG Courses: 35% |

14. Programme-wise Student Teacher Ratio : PG=27:1**15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:**

| Sl. No. | Name | Designation | Category |
|---------|---------------|---|----------------|
| 1. | Vacant | Senior Laboratory Attendant | ----- |
| 2. | Vacant | Laboratory Attendant (Attached to Horticulture) | ----- |
| 3. | Vacant | Laboratory Attendant (Attached to Genetics & Plant Breeding) | ----- |
| 4. | Pradip Sarkar | Junior Laboratory Attendant | General |
| 5. | Surajit Dalui | Mali (Attached for duty at Assistant Accounts Office, Sriniketan) | Schedule Caste |
| 6. | Gouranga Das | Mali | Schedule Caste |

Non-Teaching staff of Horticulture Farm:

| Name | Designation |
|----------------------|-------------------------------------|
| <i>Vacant</i> | <i>Horticulture Overseer</i> |
| Sri Ajit Kumar Bauri | Mali |
| Sri Ram Charan Kisku | Mali |

| | |
|------------------------|---------------|
| Sri Nabin Soren | Mali |
| Smt. Rashida Bibi | Mali |
| Sri Dulal Turi | Mali |
| Sri Sisujit Mali | Mali |
| SK. Abul Hassan | Mali (Ad hoc) |
| Two vacant post | Mali |

16. Research thrust areas as recognized by major funding agencies:

- Organic farming in different horticultural crops including medicinal & aromatic plants
- Post-harvest management of fruits and vegetables
- Yield and quality improvement of cereals, pulses, oilseeds and vegetables.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Name of Faculty | Title of the project | Funding agency | Total grant |
|------------------|---|--|----------------|
| Prof. P.S. Munsi | Cultivation of citronella and palmarosa in the farmers fields under the scheme "Introduction of new technology and concept of Horticulture" | National Horticulture Board | Rs. 6,82,200/- |
| | Assessment of efficiency of EL++ in increasing marketable yield of selected cucurbitaceous vegetable crops | Krishi Rasayan Pvt. Ltd. Kolkata | Rs. 37,400/- |
| | Assessment of efficiency of EL++ in increasing marketable yield of mango | Krishi Rasayan Pvt. Ltd. Kolkata | Rs. 39,600/- |
| | Effect of vermicompost on integrated nutrient management of root vegetable crops in red and lateritic soil zones | Food processing and Horticulture, Govt. of West Bengal | Rs.2,34,700/- |
| | Assessment of EL ++ in increasing marketable yield of selected vegetable crops | Krishi Rasayan Pvt. Ltd. Kolkata | Rs. 40,000/- |

| | | | |
|--|---|--|-----------------------------|
| | Establishment of model nursery for medicinal plants | National Mission on Medicinal Plants, Govt., of India. | Rs.4,00,000/- |
| | Collaborative trial programme for slow releasing micronutrients. | Coromandel International Ltd. | Rs. 38,500/- |
| Dr. J. S. Bhat | Collaborative research programme for evaluation of cucumber, egg plant and okra hybrids | Seminis Vegetable Seeds (India) Pvt. Ltd. (Completed in 2009) | Rs. 56,100/- |
| Dr. Prahlad Deb | Effect of irradiation and packaging on sapota fruits (<i>Achras zapota</i> L.) under different storage condition | Bhabha Atomic Research Centre, Department of Atomic Energy, Govt. of India | Rs.24,85,500/- |
| Dr. A. Paul Dr. N. R. Chakraborty | Genetic improvement of sesame through induced mutation | Bhabha Atomic Research Centre, Department of Atomic Energy, Govt. of India | Rs.19,74,900/- (sanctioned) |
| Dr. Goutam Mandal Dr. Ranjan Nath Dr. Kalipada Pramanik Dr. Swarnali Bhattacharya | Bio-Efficacy Studies of Some New Generation Molecules (PGR) on different crops. | Willowood Chemicals Private Ltd., New Delhi-110025 | Rs. 2.9 lakh |

18. Inter-institutional collaborative projects and associated grants

- | | |
|---|--------------------------------|
| a) National collaboration | b) International collaboration |
| i) National Horticulture Board : | Rs 6.82 lakh |
| ii) Food Processing and Horticulture, Govt. Of West Bengal: | Rs. 2.35 lakh |
| iii) Krishi Rasayan Pvt. Ltd.: | Rs. 1.2 lakh |
| iv) National Mission on Medicinal Plants | Rs. 4.0 lakh |
| v) BARC, Trombay, Mumbai : | Rs. 44.604 lakh |
| vi) Ministry of Agriculture, Govt. of India | Rs. 1.66 cr. |

- vii) Navabharat Agro Product Ltd., Hyderabad Rs.23.5 lakh
- viii) Deptt. Of Horticulture, Andhra Pradesh Rs. 31 lakh
- 19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** As mentioned in item no. 17 & 18
- 20. **Research facility / centre with**
 - a) **state recognition :** Nil
 - b) **national recognition:** Plant Tissue Analysis Facility (National Horticulture Mission).
 - c) **international recognition:** Nil
- 21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Such system is not operational in the Bhavana.
- 22. **Publications:**
 - a) **No. of papers published in peer reviewed journals:** 82
 - b) **Monographs:**
 - c) **Chapters in Books:** 17
 - d) **Edited Books: 10** (10 Volumes of *Dictionary of Horticulture*, Late Prof. D. Sanyal of the department being one of the editors; Publisher: Naya Udyog, Kolkata)
 - e) **Books with ISBN with details of publishers: 01**
Chakrabarty, S, Roy Chowdhury, N and Munsu, P. S. (2010). Studies on Post Harvest handling of Gerbera, Gladiolus and Tuberose, LAB LAMBERT Academic Publishing, Saarbrucken, Germany, ISBN: 978-3-8383-8495-5
 - c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): 22**
 - d) **Citation Index — range / average:**
 - e) **SNIP:**
 - f) **SIR:**
 - g) **Impact Factor — range / average:**
 - h) **h-index:**
- 23. **Details of patents and income generated:** Patent for product/process is yet to be explored. However, so far income generation is concerned Rs. 1.20lakh has been generated during last four years from mango orchard.
- 24. **Areas of consultancy and income generated:**
 - a) Free consultancy to the farmers of the adjoining area
 - b) Free career counseling and guidance to the students for ICAR-Junior Research

Fellowship Examination, ICAR-Senior Research Fellowship Examination, ICAR-NET Examination and various other competitive examinations .

- c) Faculties of the Department take part in farmers' training, entrepreneurship development training, radio talk etc.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- a) Prof. P. S. Munsu visited Wageningen University & Research Centre/Applied Research at Lisse, Dee Ree(Lisserbroek), Maas & Van Steijn (Hillegom), Paauw Lelies BV(Rijnsburg) and Keukekenhof. in the Netherland. He also visited International Flower Auction Centre, Alsmier in 2008.
- b) Prof. Munsu also visited Universitat Politècnica de Catalunya and different Private nurseries, compost factories nearby Berceclona,Spain in 2011.
- c) Dr. S. Chakravorty visited Bangladesh Agricultural University, Mymensingh, Bangladesh, 2012.
- d) Dr. Prahlad Deb visited University Ruhuna, Mapalana, Srilanka in 2013.

26. Faculty serving in

a) National committees:

Prof. P. S. Munsu –

- i) External member of Ph.D. committee in Horticulture, University of Calcutta.
- ii) Member (Executive/Committee of scientific societies & organization like NHB).
- iii) Member, Executive Council of B. C. K. V. as Governor's Nominee (2008-2012)
- iv) Expert member for designing Applied Oriented Course. in Horticulture, IGNOU, New Delhi and also contributed two units (Fruit Crops and Medicinal Plants)
- v) External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.
- vi) Member of Academic bodies/Selection committee of several Universities in India.
- vii) Member, Selection Committee for Fruit Science Department of U.B.K.V. as Governor's Nominee.
- viii) Guest faculty of Calcutta University for last 30 years
- ix) External expert for selection of project proposal on technical programme meeting of BARC, Trombay at BCKV, West Bengal in 2013.
- x) Vice-President, The Agriculture Society of India, Kolkata

b) International committees:

Prof. P. S. Munsu –

- i) Member of Selection committee in Bangladesh Agricultural University.
- ii) Maintaining interactions & exchange of views with scientists (International level) acquainted during visit to abroad (Japan, Italy, USA etc.) time to time

Dr. Prahlad Deb –

- i) Founder Member, International Society for Minor Fruits & Medicinal Plants, Sri Lanka

c) Editorial Boards:

Prof. P. S. Munsu –

- i) Acted as an executive member in the council of National Societies and in their Editorial Board
- ii) Member (of editorial board) as well as referees of various journals of reputation
- iii) Member, Editorial Board, Annual Report, Visva-Bharati.
- iv) Reviewer, Manual for High-tech Horticulture published from University of Calcutta
- v) Reviewer, Technical Manual on High-tech Vegetable Cultivation for uniform economic return (University of Calcutta)

d) Any other (please specify):

Prof. P. S. Munsu –

- i) Life member of nine learned bodies including International Society of Horticultural Sciences.
- ii) National level collaborations have been made with different Universities (like C.A.U. Imphal; O.U.A.T. Bhubaneswar; Calcutta University; Jadavpur University; B.C.K.V., Kerala Agricultural University and Central Govt. Institutions like IIT Kharagpur, ICAR Ranchi etc.) to promote meaningful linkage in research activities as a faculty member of a Central University like Visva Bharati.

Prof. P. C. Kole –

- i) Prof. P. C. Kole acted as reviewer for five foreign journals
- ii) Life member of four professional societies

Dr. J. Mondal –

- i) Dr.J.Mondal acted as reviewer for one national and one international journal
- ii) Life member of six scientific societies
- iii) National level collaborations have been made with different Universities

(like C.A.U. Imphal; Calcutta University; ICAR Ranchi etc.) to promote meaningful linkage in research activities as a faculty member of a Central University like Visva Bharati.

- iv) Guest faculty of Calcutta University for last 3 years

Dr. N. R. Chakraborty –

- i) Dr. N.R.Chakraborty acted as reviewer for one Foreign journal

Dr. Amitava Paul –

- i) Dr. Amitava Paul acted as reviewer for two national level journals
- ii) Life member of three scientific societies

Dr. Goutam Mondal –

- i) Dr. Goutam Mondal acted as reviewer three national level journals
- ii) Life member of six scientific societies

Dr. Snehasish Chakraborty –

- i) Dr. Snehasish Chakravorty acted as reviewer for one national level journal
- ii) Life member of three scientific societies

Dr. Prahlad Deb –

- i) Life member of five scientific societies

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) Dr. A. Paul: Participated in ICAR sponsored **Winter School** on “Molecular Breeding and Marker Assisted Selection in Rice Improvement” at Central Rice Research Institute, Cuttack, from 1st Nov’2011-21st Nov’2011.
- b) Dr. N.R.Chakraborty: Participated UGC sponsored 88th **Orientation Programme** (28 days) at UGC Academic Staff College, The University of Burdwan and obtained “**Grade- A**” during October- November 2012.
- c) Dr. J. Mondal participated in –
 - i) UGC sponsored 18th Refreshers course in “Environmental Science” at ASC - University of Burdwan, West Bengal (20th November to 10th December, 2010)
 - ii) ICAR sponsored Summer school on “Horticulture Based Crop Diversification Options for Livelihood Security in Tribal Areas” at ICAR Research Complex for Eastern Region, Research Centre, Plandu Ranchi, Jharkhand (21st May to 10th June, 2013).
- d) Dr. Snehasish Chakravorty participated in –
 - i) UGC sponsored 17th Refreshers course in “Environmental Science” at ASC - The University of Burdwan, West Bengal (from 22nd August to 11th Sept’2009)
 - ii) UGC sponsored Refreshers course in “Environmental Studies” at ASC - The

University of Calcutta, West Bengal (from 8-27 Feb'2010)

- e) Dr. Prahlad Deb participated in –
National Workshop on “Botanical Identification and Evaluation of Indian Medicinal Plants”, School of Natural Product Studies, Jadavpur University, Kolkata (from 20 -26th November, 2013)

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** (100%), All post graduate students do projects in form of dissertation/thesis.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Many of our Ph. D. Research projects (around 60%) are done in collaboration with other universities/institutes.

29. Awards / recognitions received at the national and international level by

- a) **Faculty:**
Prof. P.S. Munsî –
 - i) ‘Shiksha Ratan Puraskar’ (2010) by India International Friendship Society, New Delhi
 - ii) Fellow of the Indian Association of Biological Sciences (in Horticulture)
 - iii) Selected for award of Rashtrya Vidyaratana Award 2014 by Foundation for accelerated community empowerment (FACE), Delhi.
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Prof. P. S. Munsî acted as one of the joint chair-persons of National seminar on ‘*Recent Advances in Rice Genomics and Biotechnology*’ organized jointly by the Department of Biotechnology and Palli Siksha Bhavana held at Siksha-Bhavana (Institute of Science), Visva-Bharati, Santiniketan, during March 23 & 24, 2013.
- b) Dr. Amitava Paul acted as Joint convener of National seminar on ‘*Recent Advances in Rice Genomics and Biotechnology*’ organized jointly by the Department of Biotechnology and Palli Siksha Bhavana held at Siksha-Bhavana (Institute of Science), Visva-Bharati, Santiniketan, during March 23 & 24, 2013.
- c) Dr. N.R.Chakraborty: Acted as Organizing Secretary of National seminar on ‘*Recent Advances in Rice Genomics and Biotechnology*’ organized jointly by the Department of Biotechnology and Palli Siksha Bhavana held at Siksha-Bhavana (Institute of Science), Visva-Bharati, Santiniketan, during March 23 & 24, 2013.

31. Code of ethics for research followed by the departments:

All relevant code of ethics of research as laid down in the University rules have been followed

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| M.Sc.(Ag).Horticulture 2012 | 78 | 1 | 2 | 1.3 | 2.6 |
| M.Sc.(Ag).Horticulture 2013 | 63 | 3 | 5 | 4.8 | 7.9 |
| Ph.D(Horticulture) 2012 | 12 | 1 | 1 | 8.3 | 8.3 |
| Ph.D(Horticulture) 2013 | 16 | 3 | 1 | 18.8 | 6.3 |
| Ph.D (Genetics and Plant Breeding) 2012 | 9 | 2 | 2 | 22.2 | 22.2 |
| Ph.D (Genetics and Plant Breeding) 2013 | 9 | 3 | 0 | 33.3 | 0.0 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M.Sc(Ag)Horticulture | 0 | 0 | 100% | 0 |
| Ph.D (Horticulture) | 33.33% | 16.67% | 50% | 0 |
| Ph.D (Genetics and Plant) | 0 | 83.33% | 16.67% | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET – 01 in 2013
- Banking Service – 03

35. Student progression:

| Student progression | Percentage against enrolled | | | |
|---------------------------------|-----------------------------|---------|---------|---------|
| | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
| UG to PG | | | | |
| PG to M.Phil. | | | | |
| PG to Ph.D. | 33.3 | 28.6 | 0 | 20 |
| Ph.D. to Post-Doctoral | | | | |
| Employed | | | | |
| • Campus selection | 33.3 | 0 | 0 | 0 |
| • Other than campus recruitment | 33.3 | 71.4 | 100 | 40 |
| Entrepreneurs | | | | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 75% |
| from other universities within the State | 25% |
| from universities from other States | Nil |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil**38. Present details of departmental infrastructural facilities with regard to**

- Library:** Departmental library is under consideration but due to acute shortage of space, it is not yet constructed.
- Internet facilities for staff and students:** available.
- Total number of class rooms:** 02
- Class rooms with ICT facility:** 01
- Students' laboratories:** 01
- Research laboratories:** 01

39. List of doctoral, post-doctoral students and Research Associates:

- from the host institution/university:**
- from other institutions/ universities :**

| Sl. No. | Name of the Ph.D students | State | Remarks |
|---------|---------------------------|-------|---------|
|---------|---------------------------|-------|---------|

| | | | |
|------|---------------------------|----------------|------------------|
| 1. | Kaberi Moharana | Odisha | Working |
| 2. | Nilesh Bhowmick | West Bengal | Working |
| 3. | Sahanur Rahaman | West Bengal | Working |
| 4. | B.V.G. Prasad | Andhra Pradesh | Working |
| 5. | S. S. Singh | Manipur | Working |
| 6. | Rincy K. Abraham | Kerala | Working |
| 7. | Saudamini Swain | Odisha | Working |
| 8. | Himadri Sekhar Das | WB | Working |
| 9. | Bibhuti Bhusan Sahoo | Odisha | Working |
| 10. | G. P. Rao | Kerala | Working |
| 11. | Sandip Dutta | WB | Working |
| 12. | Sanjeev K. Singh | Jharkhand | Working |
| 13. | Dudhane Abhijeet Sarjerao | Maharashtra | Working |
| 14. | Indrajit Sarkar | WB | Thesis submitted |
| 15. | Vilas D. Gasti | AP | Working |
| 16. | Sukanta Kumar Sahoo | Odisha | Working |
| 17. | Brijesh Pandey | Bihar | Working |
| 18. | Amitava Panda | Odisha | Working |
| 19. | Suman Mukherjee | WB | Working |
| 20. | Lourembam Promin | Manipur | Awarded |
| 21. | Md. Banaz Alam | WB | Working |
| 22. | Himal Pokhrel | Sikim | Working |
| 23. | Naorem Brajendra Singh | Manipur | Thesis submitted |
| 24. | Sanghamitra Pattanaik | Odisha | Thesis submitted |
| 25.. | Juhie Konal Marak | Meghalaya | Working |
| 26. | Chinanshuk Ghosh | WB | Thesis submitted |
| 27. | N. Montessori Devi | Manipur | Thesis submitted |
| 28. | Kh. Swarnalata Devi | Manipur | Thesis submitted |
| 29. | Vinod Kumar Dhangraha | UP | Working |
| 30. | Ranjan Kumar Singh | Bihar | Working |
| 31. | Sarnam Singh (Gn) | Gujrat | Working |

| | | | |
|-----|----------------------|-------------|---------|
| 32. | Prabhat Kumar Karak | West Bengal | Awarded |
| 33. | Partha Sarathi Medda | West Bengal | Awarded |

- 40. Number of post graduate students getting financial assistance from the university: 02**
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Yes, BOS followed by Institute Board.
- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, syllabi are revised accordingly.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, accordingly remedial measures are taken.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** No.
- 43. List the distinguished alumni of the department (maximum 10):**
- Dr. S. R. Dhua; Principal Scientist and Head, Germplasm Evaluation Division, CRRI, Cuttack.
 - Dr. A.K. Mondal, Former Director, Tropical Institute of Forest Research, Jabbalpur.
 - Dr. G. C. Debnath; Director, Regional Meteorological Centre, Alipore, Kolkata
 - Dr. Krishna Ganguly, Principal scientist, NBPGR, New Delhi
 - Dr. A.K. Shit, Sr. Scientist, CPCRI, Mohitnagar
 - Dr. Sujay Rakshit, Principal Scientist, DSR, Hyderabad.
 - Prof. S. C. Ghosh; Prof. of Biotechnology, IIT, Kharagpur
 - Dr. K. M. Hasib, Asstt. Professor of Botany, Burdwan University.
 - Dr.(Mrs.) Mariam Anal; Asstt. Prof., Horticulture; CAU, Imphal.
 - Dr. (Mrs.) Heisnam Nanita Devi, Asstt. Prof., Genetics and Plant Breeding, CAU, Imphal.
 - Mr. Vinod Kumar Dhangra, Asstt. Prof., Horticulture, Sri. Megh Singh College, Agra, U.P.
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Special lectures are arranged time to time. PG & Ph.D. students participate in the seminars, workshops.
- 45. List the teaching methods adopted by the faculty for different programmes:**
Both for MA and Ph.D coursework-

- a) Lecture by the use of black board / white board
 - b) Lecture by power point presentation
 - c) Demonstration by graphs, charts and photos
 - d) Laboratory and Field practical
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:** By organizing student teacher meeting/ interaction time to time.
- 47. Highlight the participation of students and faculty in extension activities:**
- a) Field Extension work through Rural Agricultural Work Experience (RAWE) and Experiential Learning
 - b) Conducting field experiments for PG and Ph.D research at farmers' field
 - c) Organizing farmers-scientists meet
 - d) Our faculties are regularly invited to participate in different farmers' training programmes and training programmes of extension officers organized by Rathindra Krishi Vignan Kendra, Agricultural Departments of Govt. of W.B., different NGOs such Manab Jamin, Rama Krishna Mission and corporate bodies such as IFFCO etc.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- a) Serving in editorial board of journals and reviewers of other national and international research journals.
 - b) Delivering invited lecture in seminar and symposium time to time.
 - c) Need based consultancy to local growers / farmers.
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** ICAR
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- Department updates its programme to include the recent research interests in the curricula from time to time. This helps the department to train the student in such a way that the student can feel comfortable when they join their work after finishing the studies. Credit based semester system has been incorporated for UG, PG, & Ph.D. students in order to make the course registration system more flexible. It periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging trends of the respective subjects.
- Studies on agro-botanical characters of different vegetables, flowers and other crops (cereals, pulses and oilseeds) are going on which will help identify suitable genotype(s) for direct use as variety and/ or indirect use in cross-breeding programme

for utilization of heterosis effect in F_1 generation or isolation of promising segregants in advanced generation of breeding. Work on breeding for stress resistance/tolerance of taro and sweet potato has led to identification of resistant/ tolerant lines for use by growers. Gene for resistance to gall midge in rice has been identified through RAPD markers which will help in molecular breeding of rice. Breeding for increasing physiological efficiency of sesame will help in changing the physiological rhythm of sesame with efficient plant type for rice based cropping system, 'On Farm' trials on improved agro-techniques on fruit, vegetable and aromatic crops are going on as method as well as result demonstrations to the growers. Some improved techniques for vegetative propagation of some fruit crops have been developed. Integrated Nutrient Management for some fruits, vegetables, flowers and medicinal plants have been standardized. Trials on organic farming and post harvest management of different horticultural crops are going on. Facility has been created for Hi-tech. Horticulture with special reference to micro-irrigation, polyhouses etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Well and highly qualified reputed faculty members
- ii) Faculty members publish good quality research articles in journal of national and international repute.
- iii) Sound and healthy 'teacher-student' relationship.
- iv) Post Graduate courses are offered in three major fields i.e. M.Sc. (Ag.) Horticulture in (a) Fruit Science, (b) Vegetable Science and (c) Floriculture & Landscape Architecture.
- v) Considerable no. of students qualifies in NET, banking and various other competitive examinations.
- vi) Dissemination of technology for production of major cereal crops like rice, wheat and pulses; and major horticultural crops (fruits, vegetables, flowers including medicinal plants) to the farmers of the local adjoining area of Birbhum district.

b) Weaknesses:

- i) Lack of sufficient space, non-academic staff; Infrastructural inadequacy
- ii) No M.Sc. programme in Genetics and Plant Breeding owing to lack of sufficient staff
- iii) No departmental library with modern ICT facility.
- iv) Lack of adequate laboratory facilities with well equipped modern scientific instruments to carry out the research work

- v) Lack of sufficient training and placement facilities for the students pursuing M.Sc. and Ph.D.

c) Opportunities:

- i) Consistent healthy environment & cooperation among faculty and students.
- ii) Students have the opportunity for higher studies after P.G.
- iii) Up to date syllabi catering to the latest needs and standards.
- iv) Ample scope for special lectures & invited lectures for knowledge enhancement.
- v) Considerable scope for quality and quantitative improvements of various field and horticulture crops important in red and lateritic belt.

d) Challenges:

- i) To provide more conducive scientific environment to faculty and students to carry out research works.
- ii) To admit more no. of quality students from other states & abroad
- iii) To motivate more students towards higher study and research
- iv) Modernization of laboratory and horticultural farm.
- v) To develop more linkage with other Institutes/Universities.

52. Future plans of the department:

- a) Opening up M.Sc. programmes in Genetics and Plant Breeding and set up two separate departments like 'Deptt. of Horticulture' and 'Deptt. of Genetics and Plant Breeding' to maintain parity at national and international level.
- b) Development of well equipped modern laboratory to carry out research work related to Genetics and Plant Breeding and Horticulture.
- c) Creation of new space for state of the art classrooms, seminar rooms & faculty rooms.
- d) Up-gradation of existing infrastructure to maintain high standard of quality teaching and research.
- e) Collaborative research, exchange of faculty members with other Institutes and Universities at national and international level rooms.
- f) Up-gradation of existing infrastructure to maintain high standard of quality teaching and research.

Evaluative Report of the Department of EES

- 1. Name of the Department :** The Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES).

The Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES) is one of the four departments of the Institute of Agriculture (Palli Siksha Bhavana, PSB). It was created in the year 1989. The activities of the department comprises of all the three important activities viz. teaching, research and extension. The department offers Master degree programme in the subject of Agricultural Extension and Ph.D. programme in the areas of Agril. Extension, Agril. Economics and Agril. Statistics. Agricultural Economics and Agricultural Statistics divisions of the department also cater the need of minor and supporting courses related to Economics and Statistics in various M.Sc.(Ag.) Programmes of other departments of the Bhavana.

The faculty members of the department are actively engaged in guiding research scholars leading to Ph.D degree in component disciplines of the department. Presently, most of the faculty members of the department are also involved in innovative research work by undertaking various projects in collaboration with national and international institutes. Many of such projects are of multi-disciplinary and multi-institutional in nature. The department is performing commendable work in rural extension activities, catering the training needs of farmers, farm-women and rural youths of this region following the ideas of Gurudeva Rabindranath Tagore and L. K. Elmhirst. The Department also imparts training to students, scientists, extension personnel and other Govt. Officials through the Rural Agricultural Work Experience (RAWES) programme, Farmers-Scientists meeting cum Village Camps are organised every year to get acquainted with the farmers' problems and help them find a solution.

- 2. Year of establishment :** 1989
- 3. Is the Department part of a School/Faculty of the university?** Yes, Institute of Agriculture
- 4. Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG (interdisciplinary), PG (in Ag. Extension) and Ph.D.(in Ag. Economics, Ag. Extension and Ag. Statistics under course work

based system guided by the UGC's New Regulations)

5. Interdisciplinary programmes and departments involved :

- a) B.Sc. (Ag.) Honours
- b) M. Sc. (Ag. Extension)
- c) Ph. D. (Ag. Extension)
- d) Ph. D. (Ag. Economics)
- e) Ph. D. (Ag. Statistics)

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

7. Details of programmes discontinued, if any, with reasons: We have no such programme.

8. Examination System: Credit Based Semester System

i) Participation of the department in the courses offered by other departments:
Faculties are taking classes such as Tagore Studies, environment science.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|--------------------------------------|
| Professor | 2 | 2 | 4 (2 Substantive posts, 3 under CAS) |
| Associate Professors | 4 | 3 | 1 (2 have been promoted under CAS) |
| Asst. Professors | 8 | 5 | 5 |
| Others | — | — | — |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Prof. Sarthak Chowdhury
- Qualification** : M.Sc. (Ag.) In Ag. Extension, Ph.D. in Ag. Extension
- Designation** : Professor (Under CAS)
- Specialization** : Agril. Extension
- No. of Years of Experience** : 17 years at Visva-Bharati & 7 years at BHU
- No. of Ph.D./M.Phil. students guided for the last 4 years** : 09

- b) **Name** : Prof. Debasis Bhattacharya
Qualification : M.Sc. in Statistics, Ph.D. in Statistics
Designation : Professor (Substantive Post)
Specialization : Statistical Inference, Applied Statistics
No. of Years of Experience : 24
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- c) **Name** : Prof. Souvik Ghosh
Qualification : M.Sc. in Dairy Extension, Ph.D. in Ag. Extension
Designation : Professor (Substantive Post)
Specialization : Agril. Extension
No. of Years of Experience : 3 months at Visva Bharati & 13 years at ICAR
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- d) **Name** : Prof. Bidhan Chandra Roy
Qualification : M.Sc. (Ag.) in Agril. Economics, Ph.D. in Agril. Economics
Designation : Professor (Under CAS)
Specialization : Agricultural Economics
No. of Years of Experience : 9 years at Visva-Bharati & 8 years at ICAR
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- e) **Name** : Dr. Debashis Sarkar
Qualification : M.Sc. (Ag.) in Agril. Economics, Ph.D. in Agril. Economics
Designation : Associate Professor (Substantive Post)
Specialization : Agril. Finance and Agril. Marketing
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- f) **Name** : Dr. Siddhartha Dev Mukhopadhyay
Qualification : M.Sc. (Ag.) In Ag. Extension, Ph.D. in Ag. Extension
Designation : Assistant Professor (stage II)
Specialization : Constraints Analysis, Project Management,

| | | |
|----|--|--|
| | | Communication-Diffusion-Adoption, Content Analyses |
| | No. of Years of Experience | : 18 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : 02 |
| g) | Name | : Dr. (Mrs.) Anindita Saha |
| | Qualification | : M.Sc. in Dairy Extension, Ph.D. in Agril. Extension |
| | Designation | : Assistant Professor (stage II) |
| | Specialization | : Knowledge Information system, Indigenous Knowledge system |
| | No. of Years of Experience | : 09 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : 06 |
| h) | Name | : Dr. Digvijay Singh Dhakre |
| | Qualification | : M. Sc. in (Statistics), Ph. D in (statistics) |
| | Designation | : Assistant Professor |
| | Specialization | : Statistics |
| | No. of Years of Experience | : 1 year 9 months |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : Nil |
| i) | Name | : Mr. Bitan Mondal |
| | Qualification | : M.Sc. in Dairy Economics |
| | Designation | : Assistant Professor |
| | Specialization | : Agricultural Economics/ Dairy Economics |
| | No. of Years of Experience | : 01 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : Nil |
| j) | Name | : Dr. Sumit Kumar Sori |
| | Qualification | : M.Sc. (Ag.) in Agril. Economics, Ph.D. in Agril. Economics |
| | Designation | : Assistant Professor |
| | Specialization | : Agricultural Economics |
| | No. of Years of Experience | : 6 months |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : Nil |

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** No adjunct faculty, emeritus professors and visiting faculty during this period.
13. **Percentage of classes taken by temporary faculty — programme-wise:** There is no temporary faculty taking classes now.
14. **Programme-wise Student Teacher Ratio:**
a) UG – 190:11, PG – 14:11, Ph.D. – 28:11 **Cumulative Ratio 21:1**
15. **Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual(including CAS & MPS) |
|----------------------------------|------------|--------|-----------------------------|
| Superintendent, Agril. Extension | 1 | 0 | 0 |
| Senior Assistant | 1 | 1 | 1 |
| Audio Visual Operator | 1 | 1 | 1 |
| Peon | 1 | 1 | 1 |
| Laboratory Attendant | 0 | 0 | 0 |

16. **Research thrust areas as recognized by major funding agencies:**
For Extension:
 Constraints Analyses in Agriculture, Content Analyses, Women Participation in Agro-sector, Evaluation of Development Projects.
For Economics:
 Investment & Subsidy in Agriculture, Integrated Pest Management, Sustainable Agriculture, Agricultural Finance, Agricultural Marketing, Monitoring and Evaluation Studies, Inequality and poverty, International Trade aspects of Agricultural & Allied Agricultural commodities, Livelihood Security in Rural Areas.
For Statistics:
 Exploratory data analysis, Statistical Inference & Decision Analysis, Reliability Analysis, Statistical Modeling, Applied Statistics.
17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:** 02

- a) Sponsoring Agency: Essar Oil Ltd.
(Project Name: Water Quality Assessment of Coal Bed Water for Proving Irrigation to Agriculture). Fund Received: Rs 277200/-
- b) Sponsoring Agency: Deptt of Agriculture, Govt. of West Bengal
(Project Name: Intensive Sugarcane Research Project), Fund Received: Rs597000/-

Projects Sanctioned and will be started soon :

Sponsoring Agency: Indian Council of Agricultural Research
(Project title: "Socio-economic Institutional and Gender Issues Influencing Spatiotemporal Variation and Sustainability of Participatory Irrigation Management Reforms in India" – under ICAR's Lal Bahadur Shastri Young Scientist Award-2011 to Dr. Souvik Ghosh. (Grant sanctioned: 35 lakhs)

18. Inter-institutional collaborative projects and associated grants

- a) **National collaboration:** Nil
- b) **international collaboration:**

Professor Debasis Bhattacharya Collaborates with the scientists of the Department of Statistics University of California Davis, USA since 1998 and a result many scientific papers came out and published in reputed journals. He has also collaborated with faculties of Mac-Master University, Canada.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Two departmental projects are given below:

Project Name: Water Quality Assessment of Coal Bed Water for Proving Irrigation to Agriculture.

Sponsoring Agency: Essar Oil Ltd. Grant received Rs. 277200/-

Project Name: Intensive Sugarcane Research Project

Sponsoring Agency: Deptt of Agriculture, Govt. of West Bengal. Grant received Rs. 597000/-

20. Research facility / centre with

- a) **state recognition :** NA b) **national recognition:** NA
- c) **international recognition:** NA

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications:

- a) **No. of papers published in peer reviewed journals:** 159
(International: 67, National: 92)

- b) **Monographs: 6**
- c) **Chapters in Books:**
- d) **Edited Books: 11 (Eight) with ISBN**
- e) **Books with ISBN with details of publishers:**
 - i) Khatun, Dilruba and Roy, B.C. (2012). Rural Livelihood Diversification in West Bengal. LAP-LAMBERT Academic Publishing, Germany (ISBN 978-3-659-22075-3)
 - ii) Mandal, B. and Chandel, B. S. (2012). Economic Efficiency of Milk Production in Eastern India: A Quantitative Approach. LAP-LAMBERT Academic Publishing, Germany (ISBN 978-3-659-21159-1).
 - iii) Bhattacharya, D. and Roychowdhury (2013). Decision making with data, U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-81-3)
 - iv) Bhattacharya, D. and Roychowdhury (2013). Exploring data, U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-80-6)
 - v) Bhattacharya, D. and Roychowdhury (2013). Practical Statistics (3rd Edn.), U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-86-8)
 - vi) Bhattacharya, D. and Roychowdhury (2012). Inferential Statistics, U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-60-8)
 - vii) Bhattacharya, D. and Roychowdhury (2011). Managerial Statistics, U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-45-5)
 - viii) Bhattacharya, D. and Roychowdhury (2010). Statistics: Theory and Practices (3rd Edn), U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-02-8)
 - ix) Bhattacharya, D. and Roychowdhury (2012). Probability and Statistical Inference (2nd Edn), U. N. Dhur and Sons Pvt. Ltd. (ISBN 978-93-80673-01-1)
 - x) Bhattacharya, D. and Roychowdhury (2011). Statistics in Social Science and Agricultural Research, Concept Publishing Company Pvt. Ltd., in press (ISBN 978-81-8069-822-4)
 - xi) Sarkar, D. (2012). Agricultural Policy in West Bengal: A Policy Matrix, LAP LAMBERT Academic Publishing, Germany.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** Abstracted in Scopus, Current Index to Statistics, Math Science Review, Zenterblatt Math. **61**
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**

j) **Impact Factor — range / average:**

k) **h-index:**

23. **Details of patents and income generated:** NA

24. **Areas of consultancy and income generated:** Consultation given for research data analysis coming to the department time to time.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

| Name of Faculty | Institution Visited |
|-----------------------------|-------------------------------------|
| Prof. Debashis Bhattacharya | University of California-Davis, USA |
| Prof. Debashis Bhattacharya | Punjab University, Chandigarh |

26. **Faculty serving in**

a) **National committees:**

Prof. Debasis Bhattacharya

i) Prof. Debasis Bhattacharya is a member of State Implementation committee for state libraries.

b) **International committees:**

c) **Editorial Boards:**

Prof. Debasis Bhattacharya

i) Editor of the Journal *Stochastic Modeling and Applications*.

ii) Managing Editor of *International Journal of Statistics and Management System*.

iii) Associate Editor of Journal of the Indian Society of Probability and Statistics

Prof. Sarthak Chowdhury

i) ARCC Journal (ISSN 0367-8245).

Prof. Shouvik Ghosh

i) Member of the Editorial Board, Journal of Community Mobilisation for Sustainable Development, ATIC, IARI, New Delhi (since July 2012 onwards).

ii) Associate Editor, Indian Research Journal of Extension Education, Society of Extension Education, Agra, UP, India (May 2009 onwards).

iii) Member of the Editorial Board, Journal of the Indian Society of Coastal Agricultural Research, Indian Society of Coastal Agricultural Research, CSSRI Regional Research Station, Canning Town, West Bengal, India (September 2008 onwards).

Prof. Bidhan Chandra Roy

i) Editor, International Journal of Social Science, New Delhi.

Dr. Debashis Sarkar

- i) Editor, Journal of Social Science Studies, Macrothink Institute (<http://jess.macrothink.org>), USA.
- ii) Editor-in-Chief, International Journal of Social Science, New Delhi

Dr. Siddhartha Dev Mukhopadhyay

- i) Editor, Indian Research Journal of Extension Education

Dr. Digvijay Singh Dhakre

- i) Indian Research Journal of Extension Education
- ii) International Journal of Bio-Resource and Stress Management

d) Any other (please specify):**Prof. Debasis Bhattacharya**

Reviewer of the Following Journals –

- i) Statistics and Probability Letters (Elsevier)
- ii) Journal of Multivariate Analysis (Elsevier)
- iii) Journal of Statistical Planning and Inference (Elsevier)
- iv) Naval Research Logistics (Wiley)
- v) Communication in Statistics: Theory and Methods (Taylor and Francis)
- vi) Journal of Applied Statistics (Taylor and Francis)
- vii) Sankhya (Springer)
- viii) Model Assisted Statistics and Applications (IOS press, Netherland)
- ix) Calcutta Statistical Association

Prof. Shouvik Ghosh

Reviewer of the Following Journals –

- i) Reviewer, of Journal of Agricultural Education and Extension (Routledge Pub., Netherlands), during 2012-13.
- ii) Reviewer, Water Policy (International Water Association Pub.,USA), during 2012.
- iii) Reviewer, *Irrigation and Drainage*(Wiley-Blackwell Pub. United Kingdom), during 2011-12.
- iv) External Expert for Reviewing / Evaluation of Research Project (SWE-2002-108), Swedish Development Research – Assessment of Applications, Swedish International Development Cooperation Agency (Sida), Stockholm.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| Name of faculty | Programme(s) attended | Duration (days) | Sponsored by |
|--------------------|--|-----------------|-------------------------------------|
| Dr. (Mrs.) A. Saha | UGC sponsored 18 th Refresher Course on Environmental | 21 days | UGC Academic Staff College, Burdwan |

| | | | |
|------------------|---|---------|--|
| | Science, 2011 | | |
| Dr. D. S. Dhakre | ICAR Training Course on SAS programme, 2012 | 10 days | NEH-ICAR Research Complex, Barapani, Meghalaya |

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** (100%), All post graduate students do projects in form of dissertation.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** All the students' project are with industry.

29. Awards / recognitions received at the national and international level by

a) **Faculty:**

Prof. Shouvik Ghosh –

Indira Gandhi Rajbhasha Puraskar (First Prize) of Ministry of Home Affairs, Govt. of India conferred by His Excellency President of India, Shri Pranab Mukherjee at Vigyan Bhavan, New Delhi on 14th September 2012.

Lal Bahadur Shastri Outstanding Young Scientist Award 2011 of Indian Council of Agricultural Research (ICAR), Ministry of Agriculture, Government of India conferred by Hon'ble Union Minister of Agriculture and Food Processing Industries Sh. Sharad Pawar and Hon'ble Minister of State for Agriculture and Food Processing Industries Sh. Harish Rawat at National Agricultural Science Complex, Indian Council of Agricultural Research, New Delhi on 16th July 2012.

b) **Doctoral / post doctoral fellows:** Nil

c) **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

National Workshop on Extension Management Workshop on Development Projects Management, November 12-13, 2011.

National Workshop on Extension Management Programme for Agricultural Development December 4-5, 2010

National Conference on Application of Statistics in life Science and engineering December 10-11, 2011.

National Conference on Inference for Stochastic Processes: Recent Trends and Ideas, February 21-22, 2014

UGC fund received through University and ICAR fund

Distinguished Participants

Prof. Bikas Sinha, Member National Statistic Commission, New Delhi,

Prof. K. R. Sundaram, Professor and Head, Bio Statistics Division, AIMS, Kochi.

Prof. G.C.Mishra, Professor, BHU

Prof. K. Sinha, BAU, Ranchi

- a) Two-day National Conference on Application of Statistics in Life Sciences & Engineering on December 10-11, 2011 funded by institutional grant.
- b) National Extension Management Workshop on Development Projects Management on November 12-13, 2011 funded by institutional grant.

31. Code of ethics for research followed by the departments:

All relevant code of ethics for research is followed.

32. Student profile programme-wise:

| Name of the Programme (refer to question no.4) | Applications received | Selected | | Pass percentage | |
|---|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| P.G. (2013-14) | 64 | 29 | 01 | 45.31 | 1.56 |
| P.G. (2012-13) | 67 | 15 | 6 | 22.39 | 8.96 |
| Ph.D. (2013-14) | 19 | 7 | 0 | 36.84 | 0.00 |
| Ph.D. (2012-13) | 24 | 9 | 2 | 37.50 | 8.33 |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|---|---|---|--|------------------------------------|
| P.G. (2013-14) | 0 | 0 | 100 | 0 |
| P.G. (2012-13) | 0 | 0 | 100 | 0 |
| Ph.D. (2013-14) | 0 | 14.29 | 85.71 | 0 |
| Ph.D. (2012-13) | 0 | 0 | 100 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: One ICAR NET (Ganesh Das in Agril. Extension).

35. Student progression:

| Student progression | Percentage against enrolled | | | |
|---------------------------------|-----------------------------|---------|---------|---------|
| | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
| PG to M.Phil. | 0 | 0 | 0 | 0 |
| PG to Ph.D. | 33.3 | 0 | 25 | 0 |
| Ph.D. to Post-Doctoral | 0 | 0 | 0 | 0 |
| Employed | | | | |
| • Campus selection | 0 | 0 | 0 | 0 |
| • Other than campus recruitment | 66.7 | 100 | 75 | 66.7 |
| Entrepreneurs | - | - | - | - |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|--------|
| of the same university | 72.73% |
| from other universities within the State | 9.09% |
| from universities from other States | 18.18% |
| from universities outside the country | 0.00% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Ten faculties have Ph.D. degree. One is going to complete shortly.

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Departmental library is under consideration but due to shortage of space that has not taken shape yet.
- b) **Internet facilities for staff and students:** Available.
- c) **Total number of class rooms:** 03
- d) **Class rooms with ICT facility:** 02
- e) **Students' laboratories:** 01
- f) **Research laboratories:** 02

39. List of doctoral, post-doctoral students and Research Associates:

- a) from the host institution/university:

b) from other institutions/ universities :

| Year | Name | Category | University |
|-------------|--------------------------------|-----------------|-----------------------|
| 2008 | Mr. Manoranjan Mohapatra | Ag. Extension | Came from outside VB |
| 2008 | Mr. Jagannath Patra | Ag. Extension | Came from outside VB |
| 2009 | Ms. Soma Bhattacharya (Biswas) | Ag. Extension | Came from outside VB |
| 2009 | Mr. Chandan Singha | Ag. Economics | Came from outside VB |
| 2009 | Mr. Mahamaya Prasad Nayak | Ag. Extension | Came from outside VB |
| 2010 | Mr Basudeo Kharga | Ag. Extension | Came from outside VB |
| 2010 | Mr. Sangram Paramguru | Ag. Extension | Came from outside VB |
| 2010 | Dilruba Khatun | Ag. Economics | Came from outside VB |
| 2010 | Mr. Md. Mozamual Hoque | Ag. Extension | Came from outside VB |
| 2010 | Mr. Sumantra Hazara | Ag. Economics | Came from outside VB |
| 2010 | Ranjan Kumar Biswas | Ag. Economics | Came from out side VB |
| 2011 | Ms. Riya Ghoshal | Ag. Extension | Came from out side VB |
| 2011 | Mr. Snehasish Karmakar | Ag. Economics | Came from out side VB |
| 2011 | Mr. Anuttam Pariari | Ag. Extension | From VB |
| 2011 | Mr. Subir Kumar Sinha | Ag. Extension | Came from out side VB |
| 2011 | Ms. Madhumita Jena | Ag. Extension | Came from out side VB |
| 2011 | Mr. Narayan Bar | Ag. Extension | Came from out side VB |
| 2011 | Mr. Saran Kumar Rizal | Ag. Extension | Came from out side VB |
| 2011 | Mr. Debabrata Mondal | Ag. Extension | From VB |
| 2011 | Ms. Satarupa Nandi | Ag. Economics | From VB |
| 2011 | Ms. Joyoti Gayen | Ag. Economics | Came from out side VB |
| 2012 | Mr Kharendra Reang | Ag. Extension | Came from out side VB |
| 2012 | Mr Samir Ranjan Das | Ag. Extension | Came from out side VB |
| 2012 | Mr. Sourav Chakraborty | Ag. Statistics | Came from out side VB |
| 2014 | Shiva Prakash | Ag. Economics | Came from out side VB |
| 2014 | Debabrata Paul | Ag. Economics | Came from out side VB |
| 2014 | Uday shanker mall | Ag. Economics | Came from out side VB |
| 2014 | Gosai Das Bairagya | Ag. Economics | Came from out side VB |
| 2014 | Gourgopal Chattopadhyay | Ag. Economics | Came from out side VB |
| 2014 | Jai Prakash | Ag. Economics | Came from out side VB |
| 2014 | Chitrasena Padhy | Ag. Extension | Came from out side VB |
| 2014 | Sabyasachi Roy | Ag. Extension | Came from out side VB |
| 2014 | Sanjenbam Sher singh | Ag. Extension | From VB |

| | | | |
|------|---------------------|----------------|-----------------------|
| 2014 | Santanu kumar Patra | Ag. Extension | Came from out side VB |
| 2014 | Subhadip Das | Ag. Extension | Came from out side VB |
| 2014 | Abhiram Dash | Ag. Statistics | Came from out side VB |

- 40. Number of post graduate students getting financial assistance from the university: 02**
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Through Board of studies and Institute Board.
- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes; Syllabi are revised accordingly.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes; accordingly remedial measures are taken.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** Yes, suggestions are incorporated through Board of studies and Institute Board.
- 43. List the distinguished alumni of the department (maximum 10):**
- Dr. V.G. Girish, Lecturer, Taiwan University
 - Dr. Swapna Sikder, Deputy Director of Agriculture, Govt. of West Bengal.
 - Dr. Probhat Paul, Associate Professor, UBKV
 - Dr. Chandan Panda, Asst. Professor, Tripura Central University
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
Special lectures are arranged for the PG & Ph.D. students participate in the seminars, workshops.
- 45. List the teaching methods adopted by the faculty for different programmes:**
Audio-Visual aids, Chalk and Talk
Industrial placement, Block placement
Field visit
Visit to Demonstration plot
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
By organizing student teacher meeting/ interaction.

47. Highlight the participation of students and faculty in extension activities:

Field Extension work through Rural Agricultural Work Experience (RAWE), Department & Community Cleaning during Gandhi Purnah (10th March each year) and during some other time.

48. Give details of “beyond syllabus scholarly activities” of the department:

Participate in NSS, Gandhi Purnah, Magh Mela, Poush Mela.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: ICAR**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

Department updates its programme to include the recent research interests in the curricula from time to time. This helps the department to train the student in such a way that the students can feel comfortable when they will join their work after finishing their studies. Credit based Semester system has been incorporated for UG, PG & Ph.D. students in order to make the course registration system more flexible. It periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging trends of the respective subjects. Seminars, Workshops, Symposia, Trainings, Winter & Summer Schools are organized in accordance with the need of the hour to generate new knowledgebase in both basic as well as applied field. Mention may be made of the contribution in developing impact analysis tools of different projects and programmes, reliability analysis of complex systems, studies of inequality in food security etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**a) Strengths –**

- i) Internationally & Nationally reputed faculty members.
- ii) Faculty members publish good quality research articles in journal of national & international repute.
- iii) Considerable number of students qualifies in Banking and various other competitive examinations of national and international standard.
- iv) National & international Seminars, Symposia, Workshops are organized in a regular interval which helps faculty & students enhance their knowledge.
- v) Intregation of three important social science subjects viz. Extension, Economics and Statistics under one umbrella.

b) Weaknesses –

- i) Infrastructural inadequacy.
- ii) No departmental library.

- iii) Less number of students opting for full time research.
- iv) No in-house placements for P.G. and Ph.D. students.
- v) Internet facility available with limited bandwidth and for a limited period only.

c) Opportunities –

- i) Consistent healthy environment & cooperation among faculty and students.
- ii) Students have the opportunity for higher studies after P.G.
- iii) Up to date syllabi catering to latest needs and standards.
- iv) Ample scope for special lectures & invited lectures for knowledge enhancement

d) Challenges –

- i) To admit more students from other states & abroad.
- ii) To make up to date tutorial system and remedial coaching.
- iii) To motivate more students towards high end research.
- iv) To motivate doctoral students towards Post Doc & D.Sc.
- v) To develop more linkage between the department and industry.

52. Future plans of the department:

- a) To open P.G. courses on Agri-Business Management and Bio-Statistics.
- b) To establish an advanced statistical & computing laboratory to facilitate latest research and training needs of faculty & students.
- c) Creation of new space for state of the art classrooms, seminar rooms & faculty rooms.
- d) Upgradation of existing infrastructure to maintain high standard of quality teaching.

Evaluative Report of the Department of Plant Protection

1. Name of the Department : Plant Protection

The Department of Plant Protection was established in 1989 with the amalgamation of two important sections viz. Agricultural Entomology and Plant Pathology. Earlier these two major sections were functioning since 1965 under the Department of Agriculture, Palli Siksha Sadana. However, M.Sc.(Ag) in Plant Protection with specialization in Agril. Entomology and Plant Pathology were offered since 1987. Presently this department offers resident instruction programme in Agricultural Entomology and Plant Pathology comprises undergraduate instruction for the students of Palli Siksha Bhavana and postgraduate instruction leading to M.Sc. and Ph.D. degrees in Plant Protection. The department provides special emphasis on field oriented practicals and trainings to both UG and PG students as well as Rural Agricultural Work Experience programme to UG students. In addition to that the faculty members conduct special classes exclusively for the purpose of JRF,ARS, NET for M.Sc(Ag) students and guide final year B.Sc. (Ag.) Hons students for ICAR, JRF. The postgraduate students are trained in economic entomology, biocontrol, ecology, toxicology, physiology, taxonomy, mycology, bacteriology, virology, mushroom pathology and post harvest pathology. However, traditional strengths of research in the department has been in economic entomology, toxicology and biological control. At present emphasis is given on synthesizing IPM modules for different crops involving bio- agents, cultural practices, host plant resistance and eco friendly chemicals.

2. Year of establishment : 1989

3. Is the Department part of a School/Faculty of the university? Yes, It's under Institute (Faculty) of Agriculture; Palli Siksha Bhavana, Visva-Bharati.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :

UG (interdisciplinary), **PG** (in Plant Protection) and **Ph.D.** (Agril. Entomology and Plant Pathology under traditional system)

5. Interdisciplinary programmes and departments involved: Yes, We have interdisciplinary UG, PG & Ph.D programmes with other departments like Agronomy,

Soil Science, Horticulture, Genetics and Plant Breeding, Extensions, Economics and Statistics. Besides that, we have collaborative PhD programmes with other Universities.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** We have **Ph.D** courses in collaboration with –
 - a) BCKV, Mohanpur,
 - b) UBKV, CoochBehar
 - c) CAU, Imphal
 - d) ZSI, Kolkata
 - e) OUAT, Bhubaneswar, Odisha
 - f) IARI, NBPGR, New Delhi
7. **Details of programmes discontinued, if any, with reasons:** Not applicable
8. **Examination System:** Credit based Semester System.
9. **Participation of the department in the courses offered by other departments:** Department provide expertise in minor and supporting courses offered by other departments, for example:-
 Course No. – PGS-502 Library sciences
 Course No. – PGS-504, Basic Laboratory Techniques
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 3 |
| Associate Professors | 2 | 1 | 1 |
| Asst. Professors | 5 | 5 | 4 |
| Others | Nil | Nil | Nil |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**
 - a) **Name** : Prof. Nakul Chandra Mondal
 - Qualification** : M.Sc.(Ag) & Ph.D in Plant Pathology
 - Designation** : Professor (Under MPS)
 - Specialization** : Post harvest & root pathology
 - No. of Years of Experience** : 31
 - No. of Ph.D./M.Phil. students guided for the last 4 years** : 03

- b) **Name** : Prof. Kanchan Baral
Qualification : M.Sc.(Ag) & Ph.D in Agril. Entomology
Designation : Professor (Substantive post)
Specialization : Economic Entomology
No. of Years of Experience : 30
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) **Name** : Prof. Hirak Chatterjee
Qualification : M.Sc.(Ag) & Ph.D in Agril. Entomology
Designation : Professor (Under CAS)
Specialization : Economic Entomology (Sustainable pest management)
No. of Years of Experience : 22
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- d) **Name** : Dr. Ranjan Nath
Qualification : M.Sc.(Ag) & Ph.D in Plant Pathology
Designation : Associate Professor (Substantive post)
Specialization : Plant Virology & Fungal Pathology
No. of Years of Experience : 15
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- e) **Name** : Dr. Palash Mandal
Qualification : M.Sc.(Ag) & Ph.D in Agril. Entomology
Designation : Assistant Professor (Substantive post)
Specialization : Economic Entomology (Biological control)
No. of Years of Experience : 11
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- f) **Name** : Dr. Mohan Kumar Biswas
Qualification : M.Sc.(Ag) & Ph.D in Plant Pathology
Designation : Assistant Professor (Substantive post)
Specialization : Mushroom & Fungal plant pathology
No. of Years of Experience : 08
No. of Ph.D./M.Phil. students guided for the last 4 years : 02

- g) **Name** : Dr. Bholanath Mandal
Qualification : M.Sc.(Ag) & Ph.D in Plant Pathology
Designation : Assistant Professor (Substantive post)
Specialization : Plant Bacteriology & Fungal Pathology
No. of Years of Experience : 04
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- h) **Name** : Dr. Swarnali Bhattacharya
Qualification : M.Sc.(Ag) & Ph.D in Agril. Entomology
Designation : Assistant Professor (Substantive post)
Specialization : Economic Entomology (Biological control)
No. of Years of Experience : 01
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof Dilip Lakshman, USDA-ARS-USA
b) Prof Humbarto Gonzalez Rodriguez, UNAL, Mexico
c) Prof J Timsina, IRRI, Bangladesh
d) Prof. Mrinal Kanti Dasgupta; Alumni, VB
e) Prof. Santosh kumar Panda, OUT, Bhubneswar, Odisha
f) Dr. N.S. Talukar, AVRDC, Taiwan

13. Percentage of classes taken by temporary faculty — programme-wise: Not applicable.

14. Programme-wise Student Teacher Ratio: Students = 238 (UG-190; PG-16 & Ph.D 32); Teacher = 8; Ratio:- **30: 1** Cumulative

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

| Designation | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------------|---|--------|------------------------------|
| Senior Technical Assistant | 1 (Gen) | 1 | 1 (Attached to this Dept) |
| Senior Technical Assistant | 1 (ST) | 1 | 1 |
| Laboratory Attendant | 2 (Gen) | 2 | 2 |
| Administrative Staff | No administrative staff has been sanctioned till date | | |

16. Research thrust areas as recognized by major funding agencies:

- a) Integrated Pest Management towards sustainable crop production; Behavioural manipulation of crop pests; Toxicology; Biological Control; Host Plant resistance; Integrated Resistance Management against biopesticides and Development of Eco-friendly Package of Practices / Modules to combat noxious insect-pests befitted for the zones under reference.
- b) Integrated Diseases Management; Mushroom Pathology, Post harvest and Root Pathology.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**International projects –**

| Funding agency | Title of the Project | Grants received(Rs) |
|---|--|---------------------|
| Department for International Development (DFID), London, UK | “Implementation and promotion of IPM technology for the control of eggplant (brinjal) fruit and shoot borer (<i>Leucinodes orbonalis</i>) in Indo-gangetic plains of South Asia” | Rs. 9,06,444/- |
| Vater and Sohn Eiselen-Stiftung, Ulm, Germany through AVRDC, Taiwan | “Pioneering Development of a Public-Private partnership in the use of Agribiotechnology for Sustainable solutions to insect-pests on Crucifer crops in India” | US\$6000 |

National projects –

| Funding agency | Title of the Project | Grants received(Rs) |
|-----------------------------------|--|---------------------|
| Grace Bio-Care Pvt. Ltd., Kolkata | ‘Bio-efficacy of Grace Hume 12% (based on Humic acid) and Bloomer NB (based on Nitro Benzene 35%) for sustainable production of Lady’s finger (<i>Abelmoschus esculentus</i>)’ | Rs. 89,000.00 |

| | | |
|--|---|----------------|
| Grace Bio-Care Pvt. Ltd., Kolkata | ‘Investigation of some bio-enriched molecules for the management of potato pests and diseases’ | Rs. 72,300.00 |
| Crystal Crop Protection Pvt Ltd. | ‘Bioefficacy of Fipronil 80% WG against two important insect-pests of rice and Bioefficacy of Acephate 75% SP against some major pests of rice’ | Rs. 3,50,000/- |
| Directorate of PPQ & S, Ministry of Agriculture, Govt. of India. | ‘Strengthening and Modernization of Pest Management Approach in India (SMPMA)’ | |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

| Funding agency | Title of the Project | Grants received(Rs) |
|--------------------------------------|---|---------------------|
| Grace Bio-Care Pvt. Ltd., Kolkata | ‘Bio-efficacy of Grace Hume 12% (based on Humic acid) and Bloomer NB (based on Nitro Benzene 35%) for sustainable production of Lady’s finger (Abelmoschus esculentus)’ | Rs. 89,000.00 |
| Grace Bio-Care Pvt. Ltd., Kolkata | ‘Investigation of some bio-enriched molecules for the management of potato pests and diseases’ | Rs. 72,300.00 |

| | | |
|--|---|----------------|
| Crystal Crop Protection Pvt Ltd. | ‘Bioefficacy of Fipronil 80% WG against two important insect-pests of rice and Bioefficacy of Acephate 75% SP against some major pests of rice’ | Rs. 3,50,000/- |
| Directorate of PPQ & S, Ministry of Agriculture, Govt. of India. | ‘Strengthening and Modernization of Pest Management Approach in India (SMPMA)’ | |

b) international collaboration:

| Funding agency | Title of the Project | Grants received(Rs) |
|---|--|---------------------|
| Department for International Development (DFID), London, UK | “Implementation and promotion of IPM technology for the control of eggplant (brinjal) fruit and shoot borer (<i>Leucinodes orbonalis</i>) in Indo-gangetic plains of South Asia” | Rs. 9,06,444/- |
| Vater and Sohn Eiselen-Stiftung, Ulm, Germany through AVRDC, Taiwan | “Pioneering Development of a Public-Private partnership in the use of Agribiotechnology for Sustainable solutions to insect-pests on Crucifer crops in India” | US\$6000 |

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** Received about Rs. 35 lakhs from
 - a) DFID, UK &
 - b) Horticultural Board, W.B.
20. **Research facility / centre with**
 - a) **state recognition:** Availability of research facility is at par with the other SAUs in WB
 - b) **national recognition:**
 - c) **international recognition:**
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** A complete laboratory on Biological control of crop pest & diseases will be

coming up in a big way.

22. Publications:

- a) **No. of papers published in peer reviewed journals:** International - 14, National - 63, Total = 77
- b) **Monographs:** 03
- c) **Chapters in Books:** 18
- d) **Edited Books:** 01
- e) **Books with ISBN with details of publishers:**
Mondal, B. (2012). Pathogenic Menace for Brinjal Cultivation in West Bengal: Bacterial Wilt of Brinjal, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany; 978-3-659-19234-0
Kumar R, Mondal, P. and Chakravarty, M K (2012). Management of gram poder in chickpea, LAP LAMBERT Academic Publishing, Germany; ISBN 978-3-659-13695-5
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** 30
- g) **Citation Index — range / average:**
- h) **SNIP:**
- i) **SIR:**
- j) **Impact Factor — range / average:**
- k) **h-index:** 2

23. Details of patents and income generated: Not yet however, some income will be generated shortly from hands on training on mushroom cultivation.

24. Areas of consultancy and income generated: Telephonic Advisory services in relation to pest management are also extended to farmers. Diagnostics and advisory services towards sustainable pest management are extended to Directorate of Agriculture, Govt. of West Bengal and different NGO's. In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages and also participated in All India Radio and Television extension programmes.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- a) Prof. N.C. Mandal visited many national research laboratories like, PAU, HAU, ANGARU and TNAU.
- b) Prof. Kanchan Baral visited OUAT, Odisha, CAU; Imphal.
- c) Prof. Hirak Chatterjee visited research laboratories for Medfly mass rearing

facility at Caudete de las Fuentes, IVIA experimental station and release facility at Moncada, Spain.

- d) Dr. Ranjan Nath visited IARI, New Delhi, BCKV, Mohanpur and RAU, Jodhpur.
- e) Dr. Palash Mondal visited UAS, Dharwad, Karnataka.
- f) Dr. Mohan Kumar Biswas visited Dhaka Agricultural Research laboratories.
- g) Dr. Bholanath Mondal visited Xaviers college, Palayamkottai, Tamilnadu.
- h) Dr. Swarnali Bhattacharya visited OUAT, Chiplima campus and NBAII (ICAR), Bangalore.

26. Faculty serving in

a) National committees:

Prof. Kanchan Baral –

- i) Serving as an External Expert in selection committees for selection of teachers in various Universities.

Prof. Hirak Chatterjee –

- i) Serving as Nodal Officer for NISAGENET, ICAR, New Delhi from PSV, Visva-Bharati.

b) International committees: Nil

c) Editorial Boards:

Prof. Hirak Chatterjee –

- i) Acting as Councilor of the Journal of Plant Protection and Environment, OUAT, Orrissa, Bhubaneswar since 2007.

Dr. Palash Mondal –

- i) Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038).

Dr. Bholanath Mondal –

- i) Editor-in Chief of the Journal 'Green Technology' (ISSN 0973-2624).
- ii) Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038).

d) Any other (please specify):

Prof. Kanchan Baral –

- i) act as Reviewer of various Journals viz; Journal of Plant Protection and Environment, OUAT, Orrissa; Indian Journal of Entomology, IARI, New Delhi.

Prof. Hirak Chatterjee –

- i) Prof. Hirak Chatterjee act as Reviewer of various Journals viz; Journal of Plant Protection and Environment, OUAT, Orrissa; Indian Journal of Entomology, IARI, New Delhi, 'Insect Science' PAU, Ludhiana and Journal of Plant Protection Sciences, BCKV, WB.

Dr. Bholanath Mondal –

i) Reviewer of the Journal of Interacademia (ISSN 0971-9016).

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| NAME OF THE FACULTIES | PROGRAMME(S) ATTENDED | DURATION | ORGANISED BY |
|-------------------------------|---|----------|---|
| Dr. P. Mondal & Dr. B. Mondal | 18 th Refresher Course in Environmental Science, 2011 | 21 days | UGC-ASC, Bardhaman University |
| Dr. P. Mandal | National Training on Advances in Weed Management, 2013 | 10 days | DWSR (ICAR), Jabbalpur |
| Dr. Swarnali Bhattacharya | Short course on “Detection and measurement of Insecticide Resistance including molecular aspects in Insect Pests”, 2013 | 10 days | NBAII, Bangalore ICAR sponsored |
| Dr. M. K. Biswas | Orientation Programme | 29 days | UGC -ASC- Jadavpur University, Kolkata |
| Dr. M. K. Biswas | 9 th Refresher Course in Agricultural Sciences, 2011 | 21 days | UGC-ASC- Banarus Hindu University, Baranasi |
| Dr. M. K. Biswas | 4 th Refresher Course in Life Science | 21 days | ASC-The University of Burdwan, Burdwan, W.B. |
| Dr. M. K. Biswas | Training on “Developing Human Resource for Teaching Core Course in Plant Nematology” | 13 days | Department of Nematology CCS Haryana Agricultural University, Hisar, Haryana |

28. Student projects:

a) **percentage of students who have done in-house projects including interdepartmental projects: 100%**, all PG students do projects in the form of

dissertation.

- b) **percentage of students doing projects in collaboration with other universities / industry / institute: 50%.**

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. K. Baral –

- i) International IPM Recognition Award 2009 at 6th International Symposium on 24 Mar, 2009, USA.

Prof. N. C. Mandal -

- i) Pandit Jawharlal Nehru Gold Medal award 2014 for “Individual achievement & National Development” (Education and Research) from Global Economic Progress and Research Association, Chennai, Tamil Nadu and felicitated in the International Unity Conference during January 30, 2014.

Dr. Ranjan Nath –

- i) Best Oral Presentation award in “National Seminar on Agriculture, Biosecurity in Changing Scenerio.

Dr. Bholanath Mondal –

- i) Received ‘Young Scientist Award in Plant Pathology’ in the event of the First International Conference on Bio-Resource and Stress Management held on 6-9 Feb., 2013 at Kolkata.
- ii) Received ‘Best Poster Paper Award’ entitled ‘Rethinking of Sundarbans Mangrove through Community Participation’ in the event of the First international Conference on Bio-Resource and Stress Management held on 6-9 Feb., 2013 at Kolkata.

b) Doctoral / post doctoral fellows:

Mrs. Debjani Choudhury, doctoral scholar, received Rajiv Gandhi National Fellowship.

c) Students:

Sri Chandan Maity received Best poster presentation 25th National Youth Science congress.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Twenty fifth Annual General Meeting of Indian Phytopathological Society (Eastern Zone) 2012 during 6-7 October, 2012

Source of funding: UGC Grant from University and some Agrochemical companies

Outstanding participants:

1. Prof. Pratibha Sharma, Secretary, Indian Phytopathological Society, IARI, New

Delhi

2. Prof. N. K. Dhal, Former Dean, College of Asgriculture, OUAT, Bhubaneswar
3. Prof. B. N. Chakraborty, President, ISMPP, North Bengal University
4. Prof. M. K. Dasgupta, Retd. Professor, Visva-Bharati
5. Prof. S. K. Mukhopadhyay
6. Prof. Srikanta Das, Dean, Faculty of Agriculture, BCKV, Kalyani
7. Prof. H. P. Mishra, OUAT, Bhubaneswar

31. Code of ethics for research followed by the departments:

All relevant codes of ethics for research as laid down in the University rules are followed.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|-------------|
| | | Male | Female | Male | Female |
| PG (2012-13) | 72 | 09 | 0 | 12.5 | 0.0 |
| PG (2013-14) | 82 | 07 | 2 | 8.5 | 2.4 |
| PhD (2012-13) | 25 | 07 | 03 | 28.0 | 12.0 |
| PhD (2013-14) | 26 | 07 | 02 | 26.9 | 7.7 |

33. Diversity of students:

| Name of the Programme (refer to question no. 4) | % of students from the same University /Board | % of students from other Universities/Board | % of students from other Universities /Board outside the state | % of students from other Countries |
|---|---|---|--|------------------------------------|
| PG (2012-13) | 0 | 0 | 100 | 0 |
| PG (2013-14) | 22.22% | 0 | 77.78% | 0 |
| PhD (2012-13) | 50% | 0 | 50% | 0 |
| PhD (2013-14) | 15.38% | 15.38% | 69.24% | 0 |

- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:** Research Eligibility Test (RET) Qualified: 05 (One) in 2013, 02 (One) in 2012, NET qualified=09.

ICAR-NET Qualifie candidates:

1. Anuj Mamgain (Plant Pathology)
2. Sangram Kumar Senapati (Agril. Entomology)
3. P. Nagmani (Plant Pathology)
4. Debjani Chowdhuri (Plant Pathology)
5. Sabyasachi Pal (Agril. Entomology)
6. Tarak Brahma Majhi (Agril. Entomology)
7. Dipak Mandal (Agril. Entomology)
8. Sabyasachi Roy (Agril. Economics)
9. Kaushik Sen (Agril. Entomology)

35. Student progression:

| Student progression | Percentage against enrolled | | | |
|---------------------------------|--|----------------|----------------|----------------|
| UG to PG | UG programme is jointly offered by all the departments | | | |
| PG to M.Phil. | There is no M. Phil programme in Agriculture | | | |
| PG to Ph.D. | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
| | 50% | 40% | 29% | 33% |
| Ph.D. to Post-Doctoral* | - | - | - | - |
| Employed | | | | |
| • Campus selection | 25% | 20% | 0% | 0% |
| • Other than campus recruitment | 25% | 40% | 71% | 33% |
| Entrepreneurs | - | | | |

* Dr. Soma Mukherjee is currently engaged as Post-Doctoral Research associate in USA, after completion of her Ph.D. during 2010 under the supervision of Prof. N. C. Mandal.

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | 37.5% |
| from other universities within the State | 50% |
| from universities from other States | 12.5% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: All the faculties were Ph.D holders before joining this service.

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Presently we have a small departmental library but Institutional Library facility is available.
- b) **Internet facilities for staff and students:** Uninterrupted service is not available.
- c) **Total number of class rooms:** (02) including laboratory
- d) **Class rooms with ICT facility:** (01) also used as seminar room.
- e) **Students' laboratories:** (01) also considered as class room.
- f) **Research laboratories:** Insect Rearing Chamber, Inoculation Chamber, Biocontrol laboratory, *Plant Pathology Laboratory (also used for seating of the faculties)*

39. List of doctoral, post-doctoral students and Research Associates:

- a) **from the host institution/university:** At present 20 Doctoral students are doing their research work.
- b) **from other institutions/ universities :** 8 (eight).

| Name (Academic session 2009-10) | M/F | Host/Other Institution | State | Subject |
|---------------------------------|-----|------------------------|-------|------------------|
| 1. Sri Sourav Mandal | M | *(Host Institution) | WB | Agril Entomology |
| 2. Bipattaran Pandit | M | (Other Institution) | WB | -do- |
| 3. Sri Soumen Chakraborty | M | (Other Institution) | WB | -do- |
| 4. Sri Debojit Das | M | (Other Institution) | WB | -do- |
| 5. Sri Sukhabrata Sarkar | M | (Other Institution) | WB | -do- |
| 6. Sri Samarendra Boral | M | (Other Institution) | WB | -do- |
| 7. Siraj Monir | M | (Other Institution) | WB | Plant pathology |
| 8. Sri Sandipan Garain | M | *(Host Institution) | WB | -do- |
| 9. Sri Karamchand Hembram | M | (Other Institution) | WB | -do- |
| Name (Academic session 2010-11) | | | | Subject |
| 10. Sri Sitesh | M | (Other Institution) | WB | Agril |

| | | | | |
|--|---|---------------------|-----------|------------------|
| Chatterjee | | Institution) | | Entomology |
| 11. Mrs Malabika Debnath | F | (Other Institution) | WB | -do- |
| 12. Sri Amitava Sarkar | M | (Other Institution) | WB | Plant pathology |
| 13. Sri Chandan Bhuinya | M | (Other Institution) | WB | -do- |
| Name (Academic session 2011-12) | | | | Subject |
| 14. Mrs Hiranmayee Pradhan | E | (Other Institution) | ORISSA | Agril Entomology |
| 15. Sri Pramod Chintalkulawar | M | (Other Institution) | MAHARSTRA | -do- |
| 16. Sri Anuj Kumar Mumgain | M | *(Host Institution) | UP | -do- |
| 17. Sri Saktipada Mondal | M | (Other Institution) | WB | Plant pathology |
| 18. Sri Subhadeep Pal | M | (Other Institution) | WB | -do- |
| Name (Academic session 2012-13) | | | | Subject |
| 19. Atit Maji | M | *(Host Institution) | WB | Plant pathology |
| 20. Debjani Chowdhury | F | (Other Institution) | TRIPURA | -do- |
| 21. Diksha Goutam | M | (Other Institution) | DELHI | -do- |
| 22. Uttam Mondal | M | *(Host Institution) | WB | -do- |
| 23. Monish Dey | M | *(Host Institution) | WB | -do- |
| 24. Pradip Kumar Paramanik | M | *(Host Institution) | WB | -do- |
| 25. Rini Pal | F | (Other Institution) | WB | -do- |
| 26. P Nagamoni | F | (Other Institution) | ANDP | -do- |

| | | | | |
|--------------------|---|---------------------|--------|------------------|
| | | Institution) | | |
| 27. Chandan Maity | M | *(Host Institution) | WB | Agril Entomology |
| 28. Sanjay Mahanty | M | (Other Institution) | ORISSA | -do- |

- 40. Number of post graduate students getting financial assistance from the university:** 10 (ten) including Ph.D students.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**
Regular assessment on academic progress as well as any changes in course curriculum if any are discussed in the departmental meeting and then ratified in our BOS which are then sent to our Institute board of the Bhavana.
- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes, by conducting time to time departmental committee and BOS meetings, these issues are being discussed and if required necessary steps are to be taken up like re-structuring the syllabi, introduction of ICT etc.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The department used to take proactive steps according to the feedback getting from the students.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** Alumni and retired professors are invited time to time to deliver their presentation on the respective subjects for enrichment and upliftment of the faculties as well as students.
- 43. List the distinguished alumni of the department (maximum 10):**
- Prof Mrinal Kanti Dasgupta, Rtd. Professor of Plant Protection, PSB*
 - Prof. Adhir Ranjan Dutta. Retired Professor of Plant Protection, PSB*
 - Prof. Supriya Chakraborty, School of life Science, JNU, New Delhi*
 - Dr. Shaonpius Mondal, University of Idaho , USA*
 - Dr. Manas Ghosh, Dean, IRDM Faculty Centre, RKM, Narendrapur*
 - Prof. Samiran Ganguli, DR, RAU, Bikaner*
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
Special lectures are arranged sometimes. PG & Ph.D. students participate in the seminars, workshops.

- 45. List the teaching methods adopted by the faculty for different programmes:**
Mainly Chalk & Talk, use of charts, models for demonstration and LCD projection sometimes.
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:** By organizing student teacher meeting/ interaction.
- 47. Highlight the participation of students and faculty in extension activities:**
Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time and simultaneously the department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to farmers. Diagnostics and advisory services towards sustainable pest management are extended to Directorate of Agriculture, Govt. of West Bengal and different NGO's.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
a) *Career Counseling to students*
b) *Conducting study tours of the students*
- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Recognized by ICAR and UGC.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
Faculties of the department have got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. Among them one has achieved international recognition after its successful completion. Some new technologies w.r.t. sustainable management of brinjal fruit and shoot borer in egg plant, important insect-pests of rice and management of bacterial wilt in a eco-friendly way has been developed., Moreover, new vistas towards mushroom production in a commercial has been developed.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
a) Strengths –
i) Department is endowed with Internationally & Nationally reputed faculty members.
ii) Availability of established labs, equipments and instructional farms. Curricula is sound and theory oriented
iii) Faculty members have immense potentiality to take up new venture in

effective teaching, research and extension as they publish good quality research articles in various national & international journals of repute.

- iv) The department has produced quite a good numbers of students who are already established in foreign country as well as in various sectors in India. Also some NET qualified students will uphold the glory in near future,
- v) Present faculty members have developed expertise to act as resource person for imparting training on Bio-rational management of crop pest and diseases for sustainable food production and able to conduct National & international Seminars, Symposia, Workshops.

b) Weaknesses –

- i) Infrastructural inadequacy like acute shortage of space to accommodate modern equipments. Internet facility available with limited bandwidth and No dedicated bio-control laboratory and established Plant-health Clinic
- ii) Lack of motivation and change of aptitude for accepting ‘Plant protection’ as a potential business for productive employment among the students.
- iii) Less number of students opting for full time research & sometime leaves in the mid way due to getting employment
- iv) Shortage of teaching and non-teaching staffs. Very limited scope for the faculties to attend international seminars and workshops to keep them well informed about global development in this arena.
- v) Lack of inter-institutional linkages and public –private partnership in plant protection education.

c) Opportunities –

- i) To upgrade the curricula on a regular basis through periodic reviews. Development of information bank, question bank and power-point presentation slide bank on the subjects. Updating class notes by the faculties of the department and preparation of teaching manuals.
- ii) To attract meritorious students by introducing job oriented courses, like sericulture, apiculture & mushroom culture that are having bright opportunities for self employment and private sector job.
- iii) To develop entrepreneurship among the UG, PG students through hands on training.
- iv) Better use of resources and developing competence and confidence in the output.
- v) Potential to respond to the need of time.

d) Challenges of the Department –

- i) To alleviate the problems in developing resource base for grooming plant protection graduates on the lines of current requirements to ensure

- employability.
- ii) To establish inter-institutional linkages to the extent of faculty/resource exchange programmes and through means of collaboration and cooperation for better perception of the problem.
 - iii) Making curricula w.r.t rural –realistic and farmer centric. Strengthening the link between teaching, research and extension to reduce the time gap in disseminating new technologies.
 - iv) Ensuring biosecurity as well as environment friendly plant health management to enhance quantity and quality of agricultural yields.
 - v) Strengthening basic research for advancement in pest management and efficient resource use.

52. Future plans of the department:

- a) The Department has been planning to establish a Plant Health Clinic for providing single window solution to the farmers of adjoining areas as well as to set up a well equipped bio-control laboratory for conducting need based research at molecular level.
- b) To conduct basic and strategic research in Entomology & Plant Pathology.
- c) To provide services in insect and disease science and technologies.

Evaluative Report of the Department of Education

1. **Name of the Department :** Department of Education
2. **Year of establishment :** 1947
3. **Is the Department part of a School/Faculty of the university?** Yes, a part of Vinaya-Bhavana.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) B. Ed.
 - b) M. A. (Education)
 - c) Ph. D
 - d) D. Litt.
5. **Interdisciplinary programmes and departments involved :**
 - a) Programmes involved
 - i) Community Development Programme
 - ii) Cultural Programme
 - iii) Games & Sports
 - iv) Seminar & Workshops
 - b) Departments involved
 - i) Physical Education
 - ii) Sangit Bhavana
 - iii) Palli Siksha Vibhaga
 - iv) Shilpa Sadan
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** N.A.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :** The Department participates by way of sparing its faculty members for taking classes in the Department of Physical Education.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 02 | Nil | 04 |
| Associate Professors | 08 | 03 | 09 |
| Asst. Professors | 16 | 11 | 13 |
| Others | – | – | – |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- a) **Name** : Professor Benudhar Chinara
Qualification : M.A., M.Phil & Ph.D
Designation : Professor
Specialization : Physical Education
Health Education
No. of Years of Experience : 23
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- b) **Name** : Prof. Sambhu Charan Roy
Qualification : M.P.E & Ph.D.
Designation : Professor
Specialization : Research Methodology
Peace and Values Education
Elementary Education
Assessment & Evaluation
Teacher Education
No. of Years of Experience : 32
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- c) **Name** : Dr.Sukla Bhattacharya
Qualification : M.Sc., M.Ed. & Ph.D.
Designation : Associate Professor
Specialization : Environmental Education
Values & Human Rights Education
No. of Years of Experience :
No. of Ph.D./M.Phil. students guided for the last 4 years : 07

- d) **Name** : Dr. Kahnu Charan Sahoo
Qualification : M.A., M.Phil, Ph.D & NET
Designation : Associate Professor
Specialization : Science Education
 Environmental Education
 Comparative Education
 Educational Technology
 Educational Psychology &
 Curriculum Development
No. of Years of Experience : 22
No. of Ph.D./M.Phil. students guided for the last 4 years :
- e) **Name** : Dr.Biplab Kumar Chatterjee
Qualification : M.Sc., Ph.D
Designation : Associate Professor
Specialization : Work Education
 Horticulture
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- f) **Name** : Dr. Partha Pratim Sikdar
Qualification : M.Fine, NET
Designation : Assistant Professor
Specialization : Artistic Handicraft, Sculpture – Stone Carving, Bronze Casting, Plaster Casting, Welded Steel, Wood Carving
No. of Years of Experience :
No. of Ph.D./M.Phil. students guided for the last 4 years : 00
- g) **Name** : Dr. Trishna Banerjee
Qualification : M.Mus, Ph.D
Designation : Assistant Professor
Specialization : Music Education
 Rabindra Sangit
 Hindustani Classical Music
 Traditional Bengali Song
No. of Years of Experience : 11

- No. of Ph.D./M.Phil. students guided for the last 4 years** : 00
- h) Name** : Dr. Sant Kumar Rath
Qualification : M.A., M.Ed., Ph.D & NET
Designation : Assistant Professor
Specialization : Teacher Education
 Philosophy of Education
No. of Years of Experience : 09
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- i) Name** : Dr. Prohlad Roy
Qualification : Ph.D., M.A.(Bengali), M.A. (Education), M.A. (Public Administration), M.A. (Sociology), M.Sc(Criminology), B.Ed. & Diploma in Journalism, NET
Designation : Assistant Professor
Specialization : Teacher Education
 Social Education
 Folk Education
 Educational Administration
 Language Education
 Tagore's Educational Thoughts
 Dalit Education
 Comparative Education
No. of Years of Experience : 15
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- j) Name** : Dr. Asheesh Srivastava
Qualification : M.Sc, M.A., M.Ed. & Ph.D., NET
Designation : Assistant Professor
Specialization : Philosophy of Education Research
 Methodology & Stats.
 Contemporary Issues, Trends & Problems in Education Mathematics.
 Teaching Educational Policies & Programmes.
No. of Years of Experience : 10

| | | | |
|--|--|---|---|
| No. of Ph.D./M.Phil. students guided for the last 4 years | | : | |
| k) | Name | : | Dr. Md.Saheer Siddiqui |
| | Qualification | : | M.A., M.B.A. & Ph.D., NET |
| | Designation | : | Assistant Professor |
| | Specialization | : | Economics of Education, Human Resource Development & Management Contemporary Issues in School Education and Problems of Minority Education. Spirituality in Education and Contemporary Philosophies: Upanishads, Islam and Sufism. Teaching of English Language and Literature. |
| | No. of Years of Experience | : | 04 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
| l) | Name | : | Dr. Sarita Anand |
| | Qualification | : | M.A., M.Ed & Ph.D, NET |
| | Designation | : | Assistant Professor |
| | Specialization | : | Educational Technology Measurement & Evaluation |
| | No. of Years of Experience | : | 03 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 02 |
| m) | Name | : | Chitralkha Maiti |
| | Qualification | : | M.Sc., B.Ed, NET |
| | Designation | : | Assistant Professor |
| | Specialization | : | Teaching of geography Measurement and Evaluation Regional Planning |
| | No. of Years of Experience | : | 03 |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 00 |
| n) | Name | : | Sharmila Yadav |
| | Qualification | : | M.Sc, , M.Ed., NET |
| | Designation | : | Assistant Professor |
| | Specialization | : | Educational Psychology Special Education |

No. of Years of Experience : 02
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : 00

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: None

13. Percentage of classes taken by temporary faculty — programme-wise :

- a) B.Ed. : 25%
- b) M.A.(Education) : Nil
- c) Ph. D : Nil

14. Programme-wise Student Teacher Ratio :

- a) B.Ed. : 5 : 1
- b) M.A.(Education): 7 : 1
- c) Ph.D: 4 : 1

15. Number of academic support staff (technical) and administrative filled and actual :

| Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Academic – technical | 01 | 01 | 01 |
| Administrative | 13 | 13 | 13 |

16. Research thrust areas as recognized by major funding agencies: Exploring possibilities.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants

- a) National collaboration: Nil
- b) international collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- a) state recognition : Nil
- b) national recognition: Nil
- c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:**a) No. of papers published in peer reviewed journals:****i) National:**

| | | |
|---------------------|---|-----------|
| Dr. S. Bhattacharya | – | 01 |
| Dr. S.K. Rath | – | 08 |
| Dr. P. Roy | – | 02 |
| Dr. A Srivastava | – | 08 |
| Dr. Md. S. Siddiqui | – | 06 |
| Total | – | 25 |

ii) International:

| | | |
|--------------------|---|-----------|
| Dr. S Bhattacharya | – | 01 |
| Dr. P. Roy | – | 09 |
| Total | – | 10 |

b) No. of Monograph:

| | | |
|------------|---|----|
| Dr. P. Roy | – | 02 |
|------------|---|----|

c) No. of Chapters in Books:

| | | |
|--------------------|---|-----------|
| Dr. S Bhattacharya | – | 02 |
| Dr. S.K. Rath | – | 01 |
| Dr. P. Roy | – | 10 |
| Dr. A Srivastava | – | 03 |
| Total | – | 16 |

d) No. of Edited Books:

| | | |
|------------|---|----|
| Dr. P. Roy | – | 01 |
|------------|---|----|

e) Books with ISBN with details of publishers:

- i) Professor S.C. Roy, Bronchial Asthma, Yoga Practices or Physical Exercises, Rita Publisher, Kolkata, 2005.
- ii) Professor S.C. Roy, Health & Physical Education, Rita Publisher, Kolkata, 2006.
- iii) Dr. S. Bhattacharya, Environmental Education: The Contemporary Phase, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/Germany, 2012, ISBN: 978-3-659-22121-7.
- iv) Dr. P. Roy, Mythological Education In Oral Literature Study On Tribes Of Arunachal Pradesh & West Bengal, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/Germany, 2013, ISBN: 978-3-659-43795-3.
- v) Dr. P. Roy, Dalit Education The Planning Of Rabindranath Tagore &

Mahatma Gandhi, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/Germany, 2013, ISBN: 978-3-659-43761-8.

- vi) Dr. P. Roy, The View of Tagore Studies, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2013, ISBN: 978-3-659-38578-0.
- vii) Dr. P. Roy, Paradoxical view and Content Analysis in Quality Education, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2013, ISBN: 978-3-659-32859-6.
- viii) Dr. P. Roy, Education Thoughts and Philosophy of Rabindranath Tagore, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2013, ISBN: 978-3-659-32371-3.
- ix) Dr. P. Roy, Education for Dalit, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2013, ISBN: 978-3-659-32181-8.
- x) Dr. P. Roy, Secondary Education Comparative Delineation, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2012, ISBN: 978-3-659-29784-7.
- xi) Dr. P. Roy, Language Teaching, Curriculum and Problems An Analysis, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2012, ISBN: 978-3-659-29113-5.
- xii) Dr. P. Roy, Human Rights in Ancient Indian Society An Educational Retrospect, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2012, ISBN: 978-3-659-27747-4.
- xiii) Dr. P. Roy, Primary Education A Comparative Appraisal, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO. KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2012, ISBN: 978-3-659-27503-6.
- xiv) Dr. P. Roy, Work Education Recapitulation on Vinaya Bhavana of Visva-Bharati, Lambert Publication, AV AKADEMIKERVERLAG GMBH & CO.

- KG, HEINRICH-BCKING STR,6-8,66121 SAARBRUCKEN, DEUTSCHLAND/ Germany, 2013, ISBN: 978-3-659-45701-2.
- xv) Dr. P. Roy, Absurd psychology and modern Bengali poetry, Laxmi Books Publications, Maharashtra, 2012, ISBN: 798-81-92843-2-0.
 - xvi) Dr. P. Roy, Development Of Mass Education The Contribution Of Hariguruchand, Laxmi Books Publications, Maharashtra, 2012, ISBN: 978-81-92843-1-.
 - xvii) Dr. P. Roy, The Voice Of Time Educational And Social Thoughts, Laxmi Books Publications, Maharashtra, 2012, ISBN: 978-81-92843-0-6.
 - xviii) Dr. P. Roy, Expression: Education, Literature, And Society, Laxmi Books Publications, Maharashtra, 2013, ISBN: 978-81-924687-8-5.
 - xix) Dr. A. Srivastava, Neo-Realism in Educational Policies and Programmes, APH, New Delhi, 2011, ISBN: 978-81-313-1203-2.
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**
 - d) **Citation Index — range / average:**
 - e) **SNIP:**
 - f) **SIR:**
 - g) **Impact Factor — range / average:**
 - h) **h-index:**
23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated:** Exploring possibilities
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil
26. **Faculty serving in**
- a) **National committees:** 04
 - b) **International committees:** Nil
 - c) **Editorial Boards:** 06
 - d) **Any other (please specify):**
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
- a) **UGC, ASC, Refresher / Orientation programs :** Yes
 - b) **Workshops :** Yes
 - c) **Training Programs:** Yes

d) **Short Term Programme:** Yes

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** 100%
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** 01
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** 01

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|--|--|--|--|
| 5 th & 6 th September 2013 | "Legacy of Radhakrishnan : Representing India in the New Global Order" | National | Professor Kalyan Bagchi, Professor Suniti Pathak, Professor U.C.Vashishtha, Professor Nirmalangshu Mukherjee, Professor Rakesh Chandra |

31. Code of ethics for research followed by the departments:

As per the Guidelines of UGC & Visva-Bharati

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|----------|
| | | Male | Female | Male | Female |
| B.Ed. – 2012-13 | 2083 | 47 | 53 | 100% | 100% |
| 2013-14 | 987 | 50 | 50 | – | – |
| M.A.(Education)–2012-13 | 280 | 27 | 12 | 100% | 100% |
| 2013-14 | 304 | 26 | 13 | – | – |
| Ph.D – 2012 | 50 | 05 | 02 | 100%(CW) | 100%(CW) |
| 2013 | | 11 | 07 | – | – |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| B.Ed.– 2012-13 | 77 % | 22 % | 01 % | Nil |
| 2013-14 | 77 % | 21 % | 02% | Nil |
| M.A.(Education) – 2012-13 | 10.25 % | 87.17% | 2.56% | Nil |
| 2013-14 | 07.69 % | 89.74% | 2.56% | Nil |
| Ph.D. – 2013 | 16.66% | 44.44% | 38.88% | Nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil**35. Student progression:**

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 16.66% |
| Ph.D. to Post-Doctoral | Nil |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | Nil 90% (Approximately) |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|--------|
| of the same university | 14.28% |
| from other universities within the State | 35.7% |
| from universities from other States | 50% |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 03 |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to

a) Library:

- i) Library Automation
- ii) Reading Room
- iii) Separate Reference Section
- iv) Internet Facility (Gitanjali Server)

b) Internet facilities for staff and students: Yes

c) Total number of class rooms: 05

d) Class rooms with ICT facility: 02

e) Students' laboratories:

- i) ICT
- ii) Psychology
- iii) Geography
- iv) Science Lab
- v) Artistic Handicraft
- vi) Wood Craft
- vii) Weaving
- viii) Music
- ix) Horticulture

f) Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university': Nil

b) from other institutions/ universities : Nil

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes, by Survey Method

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:

- i) For Syllabus Modification
- ii) Modifying, developing and adopting new strategies for teaching-learning-evaluation

b. students on staff, curriculum and teaching-learning-evaluation and how does

the department utilize the feedback:

- i) If positive, appreciating and advocating for the same and in case of negative, persuading the person concerned informally and encouraging meaningful involvement in different programmes and activities.
- ii) For curriculum / syllabus modification.
- iii) Modifying, developing and adopting new strategies for teaching-learning-evaluation.

c. alumni and employers on the programmes offered and how does the department utilize the feedback:

- i) Examining the programme critically
- ii) Obtaining the suggestions and meaningful involvement

43. List the distinguished alumni of the department (maximum 10):

- a) Dr. Sailaja Sankar Ray
- b) Dr.Dillip Mukhopadhyaya
- c) Dr. Biswanath Roy
- d) Smt. Subhra Tagore
- e) Prof. Sukhen Das
- f) Prof. Mohit Chakraborty
- g) Dr. Namita Das
- h) Prof. Dibakar Kundu
- i) Dr. Sukla Bhattacharya
- j) Dr. Manoranjan Bandyopadhyay

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- a) Special Lecture
- b) Workshop
- c) Weekly Seminar

45. List the teaching methods adopted by the faculty for different programmes:

- a) Project
- b) Peer Group Discussion
- c) Focused Group Discussion
- d) Demonstration
- e) Exhibition
- f) Seminar
- g) Workshop
- h) Field Study
- i) Lecture

46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
 - a) Preparation of a well thought out Blueprint in consultation with Faculty members, students and administrative personnel.
 - b) Distribution of Assignments as per Experience, Expertise & Ability
 - c) Constant and continuous Supervision & Monitoring of the Programme on the basis of the Feedback from time to time.
47. **Highlight the participation of students and faculty in extension activities:**
 - a) Occupational Exploration
 - b) Community Work in Collaboration with REC
 - c) Activities relating RTE & Literacy
 - d) Conduct of Field Survey
48. **Give details of “beyond syllabus scholarly activities” of the department:**
49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:** No
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
 - a) **Strengths** :
 - i) Tagorean Educational Thought & Practice
 - ii) Unique Craft Based Work Education for Teacher Trainees
 - iii) Extension Activities - Community Work, Educational Programme & Research
 - iv) Spiritual & Cultural Value integration
 - v) Eco-Consciousness
 - vi) Integration of Professional & Liberal Education
 - b) **Weaknesses:**
 - i) Lack of Research Climate / Ethos
 - ii) Financial Resource Generation Capacity
 - iii) National & International Collaboration
 - iv) Integrated & Interdisciplinary Research
 - c) **Opportunities:**
 - i) Educational Innovations
 - ii) Education for Community Work & Rural Development (REC)
 - iii) Academic Staff College
 - iv) Activities relating RTE, Literacy
 - v) National & International Collaboration / MOU

d) Challenges (SWOC) of the Department:

- i) Creation of Centre of Excellence in Education.

52. Future plans of the department:

- a) Opening of M.Ed. & M.Phil Programme
- b) Revival & Strengthening of Extension Activities
- c) Promotion of Interdisciplinary & Theme based Research
- d) Inclusion of Pre-Primary Teacher Education, Elementary Teacher Education Programme
- e) National & International Collaboration
- f) Integrated, Interdisciplinary & Theme based Research

Evaluative Report of the Department of Physical Education

1. **Name of the Department :** Department of Physical Education
2. **Year of establishment :** 1997
3. **Is the Department part of a School/Faculty of the university?** Yes, Vinaya-Bhavana, Visva-Bharati
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - a) UG- BA/BSC (Honours) in Physical Education- 3 Years
 - b) T.E- B.P.Ed- 01 year
 - c) PG- M.P.Ed- 2 Year
 - d) Ph.D.
5. **Interdisciplinary programmes and departments involved :** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
7. **Details of programmes discontinued, if any, with reasons:**
B.P.E programme discontinued for not fulfilling UGC/NCTE guidelines.
8. **Examination System:** Semester System
9. **Participation of the department in the courses offered by other departments :** Nil.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 01 | NIL | 01+01=02 |
| Associate Professors | 03 | 02 | 03+03=06 |
| Asst. Professors | 06 | 02 | 04+02=06 |
| Others | — | — | — |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :

- | | | |
|---|---|--|
| a) Name | : | Prof. Braja Nath Kundu |
| Qualification | : | M.P.Ed, Ph.D |
| Designation | : | Professor |
| Specialization | : | Exercise Physiology, Kinanthropometry and Statistics |
| No. of Years of Experience | : | 25 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
| b) Name | : | Dr. Sagarika Bandyopadhyay |
| Qualification | : | M.P.E, M.Phil, Ph.D |
| Designation | : | Associate Professor |
| Specialization | : | Exercise Physiology; Game/Sport: Track & Field |
| No. of Years of Experience | : | 31 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 05 |
| c) Name | : | Dr. Ashok Kumar Goon |
| Qualification | : | M.P.E, Ph.D, Diploma in Coaching: Football (NSNIS, Patiala) |
| Designation | : | Associate Professor |
| Specialization | : | Exercise Physiology; Game/Sport: Football |
| No. of Years of Experience | : | 27 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 04 |
| d) Name | : | Dr. Sumanta Kr. Mondal |
| Qualification | : | M.P.E, M.Phil, Ph.D, Diploma in Coaching: Athletics (NSNIS, Kolkata) |
| Designation | : | Associate Professor |
| Specialization | : | Track & Field, Sports Biomechanics |
| No. of Years of Experience | : | 20 |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
| e) Name | : | Dr. Samiran Mondal |
| Qualification | : | M.P.Ed, Ph.D |

- Designation** : Associate Professor
Specialization : Exercise and Sports Physiology
No. of Years of Experience : 16
No. of Ph.D./M.Phil. students guided for the last 4 years : 05
- f) Name** : Dr. Sudarsan Biswas
Qualification : M.P.E, M.Phil, Ph.D, Diploma in Coaching: Football (NSNIS, Kolkata)
Designation : Associate Professor (Dy. Director), Physical Education
Specialization : Exercise and Sports Physiology, Game: Football
No. of Years of Experience : 19
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- g) Name** : Dr. Mahesh Sawata Khetmalis
Qualification : M.P.E, M.Phil, Ph.D
Designation : Assistant Professor
Specialization : Gymnastics & Exercise and Sports Psychology
No. of Years of Experience : 10
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:** N.A.
- 13. Percentage of classes taken by temporary faculty — programme-wise :**
 a) UG : 40%
- 14. Programme-wise Student Teacher Ratio :**
 a) UG, TE, PG & Ph.D : 14 : 01
- 15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :**
- | Support Staff | Sanctioned | Filled | Actual |
|----------------------|------------|--------|--------|
| Academic – technical | Nil | Nil | Nil |
| Administrative | 05 | 06 | 06 |
- 16. Research thrust areas as recognized by major funding agencies:**
 a) Exercise Physiology

b) Sports Physiology

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: 02
18. Inter-institutional collaborative projects and associated grants
a) National collaboration: Nil b) international collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil
20. Research facility / centre with
a) state recognition : Nil b) national recognition: Nil
c) international recognition: Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications:
 - a) No. of papers published in peer reviewed journals: 20
 - b) Monographs: 01
 - c) Chapters in Books: 01
 - d) Edited Books: Nil
 - e) Books with ISBN with details of publishers: Nil
 - c) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): 01
 - d) Citation Index — range / average: Nil
 - e) SNIP: Nil
 - f) SIR: Nil
 - g) Impact Factor — range / average: Nil
 - h) h-index: Nil
23. Details of patents and income generated: Nil
24. Areas of consultancy and income generated: Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil
26. Faculty serving in
 - a) National committees:
 - i) Prof Brajanath Kundu

- ii) Dr. Sagarika Bondyopadhyay
- iii) Dr. Ashok Kumar Goon
- iv) Dr. Sumanta Kumar Mondal
- v) Dr. Samiran Mondal
- vi) Dr. Sudarsan Biswas
- vii) Dr. Mahesh Swata Khetmalis
- b) International committees:**
- c) Editorial Boards:**
- d) Any other (please specify):**
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
 - a) UGC, ASC, Refresher / Orientation programs : Yes**
 - b) Workshops : Yes**
 - c) Training Programs: Yes**
 - d) Short Term Programme: Yes**
- 28. Student projects:**
 - a) percentage of students who have done in-house projects including interdepartmental projects: 13%**
 - b) percentage of students doing projects in collaboration with other universities / industry / institute: Nil**
- 29. Awards / recognitions received at the national and international level by**
 - a) Faculty: 01**
 - b) Doctoral / post doctoral fellows: Nil**
 - c) Students: Nil**
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

| Date | Seminar/Workshop | Source of Funding (National /International) | Details of Outstanding Participants |
|------|---|---|--|
| | 24 th National Conference of Sports Psychology on “Sports and Exercise Psychology: Career Development and Psychological Aspects of Youth Sports” | | |

| | | | |
|------|--|--|--|
| 2014 | 24 th Pan Asian Sports & Physical Education Conference, 2014 on Traditional Sports and Modern Sports for the Development of Global Human Resource | | |
|------|--|--|--|

31. Code of ethics for research followed by the departments:

At per with guidelines of the Department.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG [BA/BSC (Hons.) in Phy. Edn] | 475 | 37 | 02 | 90% | 100% |
| Teacher Education [B.P.Ed] | 152 | 46 | 04 | 100% | 100% |
| PG [M.P.Ed] | 311 | 21 | 09 | 100% | 100% |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG [BA/BSC (Hons.) in Phy. Edn] | 25% | 95% | 5% | NIL |
| Teacher Education [B.P.Ed] | 90 % | 98% | 2% | NIL |
| PG [M.P.Ed] | 60% | 100% | NIL | NIL |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) General: 16
- b) OBC: 03
- c) SC: 08
- d) ST: 03

35. Student progression:

| Student progression | Percentage against enrolled |
|--|---------------------------------|
| UG to TE (B.P.Ed) | 90% |
| B.P.Ed to M.P.Ed | 66% |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | 50% |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | Campus selection held regularly |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | NIL |
| from other universities within the State | 37.5% |
| from universities from other States | 62.5% |
| from universities outside the country | NIL |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | 04 |
| Ph.D. | 11 |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Bhavana Library
- b) **Internet facilities for staff and students:** Yes
- c) **Total number of class rooms:** 06
- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** 03
- f) **Research laboratories:** 03

39. List of doctoral, post-doctoral students and Research Associates:**a) from the host institution/university:**

- | | | |
|---------------------------|-----------------------|----------------------|
| i) Biswajit Garai | xi) Saurav Sengupta | xxi) Santwana Mondal |
| ii) Biswanath Garai | xii) Radharani Ghosh | xxii) Sanjoy Ghosh |
| iii) Chandan Ghosh | xiii) Aminul Haque | xxiii) Arghya Mondal |
| iv) Debasish Das | xiv) Praloy Nayek | |
| v) Madhu Sudan Hazra | xv) Manashi Dey | |
| vi) Pintu Lal Mondal | xvi) Abhijit Thander | |
| vii) Pradip Tudu | xvii) Sujoy Birbanshi | |
| viii) Zirtluanga Chhangte | xviii) Debashri Koner | |
| ix) Biswajit Achary | xix) Sankarsan Pal | |
| x) Papan Mondal | xx) Mahaprasad Ghosh | |

b) from other institutions/ universities :

- | | |
|------------------------|---------------------------|
| i) Arup Gayen | ix) Prasanta Bhuinya |
| ii) Bharti Nigam | x) Amit Kumar Dutta |
| iii) Raj Kumar Majhi | xi) Badal Kr. Jana |
| iv) Sanjib Ghosh | xiii) Aditya Narayan Adak |
| v) Sekhar Mondal | xiv) Swarnava Mukherjee |
| vi) Sumitra Kirtaniya | xv) Arnab Ghosh |
| vii) Tadang Minu | xvi) Sundar Biswas |
| viii) Dibyendu Acharya | xvii) Saidul Islam |

40. Number of post graduate students getting financial assistance from the university: Nil**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

B.P.Ed and M.P.Ed courses were introduced with the NCTE recognition as recognition of NCTE was an essential criteria to run the courses for students' placement in state and central Government Jobs.

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes by reviewing of syllabus and framing and reframing of time table.
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, Students feedback is place in the teachers meeting for further action plan.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback:** Reviewing and re-structuring the theory and

practical classes time table on the basis of their remarks.

43. **List the distinguished alumni of the department (maximum 10):** Nil
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Work shop:2012-13
45. **List the teaching methods adopted by the faculty for different programmes:**
Demonstration whole-part-whole, Task, guided discovery, exploratory.
46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
Peer discussion among faculty members, Interval Tests, Assignments, Project.
47. **Highlight the participation of students and faculty in extension activities:**
Promoting village sports organizing workshop for health and fitness awareness, sporting performance, expertise for organizing and conducting different games and sports by local school, club, district and state association.
48. **Give details of “beyond syllabus scholarly activities” of the department:**
 - a) Acting as resource persons in other universities.
 - b) Invited as guest speakers, keynote speakers.
 - c) Framing Syllabus for school education, higher education at state and national level.
 - d) Member of Editorial board, Advisory board of different Journals and periodicals and also acting as peers.
 - e) Acting as guest teacher in other universities.
 - f) Pursuing research work at own interest with and without financial assistance and publishing research articles in national and international journals
49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:**
Yes, B.P.Ed and M.P.Ed courses are recognized by the NCTE (National Council for Teacher Education).
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
The Department of Physical Education has accomplished Twenty (20) Ph.D. works within 2005-2014 i.e. 7 years on different Sports science disciplines. The findings of the studies are fundamental information which can be employed significantly for identification and development of talents in different sports, development of health and fitness awareness and they are expected to play active role in the improvement of health & fitness status of the people. Department has also accomplished many major

and minor research projects on different challenging subjects like Environmental Science, Aids awareness and welfare of Aids affected patients, Child health and Nutrition with emphasis on psycho-motor development and neuro-physiological aspects of human performance.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths –

- i) Discipline
- ii) Team work
- iii) Quality Teachers
- iv) Unity
- v) Dedication and Sincerity.

b) Weaknesses:

- i) Insufficient properly developed Play Ground.
- ii) Insufficient Updated and sophisticated Laboratory Equipment.
- iii) Insufficient Exposures of Students to the best professional Institution of the country.
- iv) Insufficient IT facilities .
- v) Insufficient Text books in the Library.

c) Opportunities:

- i) Development of Academic and Sports excellence.
- ii) Scope for higher studies
- iii) Placement in professional fields
- iv) Career development in allied disciplines
- v) Avenues to join interdisciplinary fields.

d) Challenges (SWOC) of the Department:

- i) Quality development of teachers.
- ii) Research in sports science disciplines at an advanced level.
- iii) Creation of center of excellence in Physical Education and Sports.
- iv) Collaborative works with other Indian and Foreign Universities.
- v) Development of Human excellence as part of extension activities.

52. Future plans of the department:

- a) Establishment of Modern Environment Friendly Sports Complex with synthetic track.
- b) Stadium for outdoor games.
- c) Modern Gymnasium with multigym facility subject to availability of future grants.
- d) Establishment of Modern Yoga Centre and Health Club etc.

4. Declaration by the Head of the Institution

I hereby declare that the institution and its management, faculty, staff and students and others, as applicable:

1) comply the purpose of the institution for the national development and progress of the society have been achieved.

2) have achieved the purpose of the institution as provided by the state during the past year.

Srinivasulu Reddy, Principal
 Vinaya-Bhavana

24/09/2020

Signature of the Head of Institution

Srinivasulu Reddy

Place: *Chennai*
 Date: *24/09/2020*



Visva-Bharati

Santiniketan 731235

INDIA

SELF-STUDY REPORT

Part - C

Vol. 4

Evaluative Report of the Departments

Submitted to
National Assessment and Accreditation Council
2014

C O N T E N T S

SIKSHA-BHAVANA

| | |
|---|------------|
| Biotechnology | 1 |
| Botany | 21 |
| Chemistry | 53 |
| Environmental Studies | 81 |
| Mathematics | 96 |
| Integrated Science Education and Research Centre (ISERC) | 129 |
| Physics | 150 |
| Statistics | 174 |
| Zoology | 184 |
| Computer and System Sciences | 246 |

RABINDRA-BHAVANA

(INSTITUTE OF EDUCATION)

| | |
|-------------------------|------------|
| Rabindra Bhavana | 280 |
| SWOC Analysis | 296 |

BRIEF PROFILE OF SOME ANCILLARY DEPARTMENTS

| | |
|----------------------------------|------------|
| Pearson Memorial Hospital | 315 |
| Granthana Vibhaga | 319 |

ENCLOSURES

| | |
|---|------------|
| Modular Syllabus | 320 |
| Remedial Coaching | 352 |
| Ph.D. Ordinance (a few copies attached) | 354 |
| Internal Complaints Committee (ICC) for Prevention of Sexual Harassment against Women at Workplace (PSHWW) | 357 |

Evaluative Report of the Department of Biotechnology

1. **Name of the Department :** Biotechnology
2. **Year of establishment :** 1997 (Supported by DBT, GOI from 2004)
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** Yes.
The Department was started as a Centre under school of Life sciences in 1997 and was taught and managed by the faculties of the Department of Botany & Department of Zoology fully up to 2002 and subsequently partly until 2009 as there were only two faculties of the Centre for Biotechnology from 2002 to 2005, and from 2009 four more joined; in the year 2013 the Centre was upgraded to a Department.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 - a) Ongoing Bilateral collaboration with the Department of Biology, University of Rome, Tor Vergata on “Biotechnology and nanotechnology of cultural heritage”, Coordinator from Visva-Bharati: Prof. S.P. Adhikary, 2011-2014.
 - b) MOU with Bose Institute, Kolkata on Biotechnology for rural development since 2013 which involve research collaboration and also in extension programmes.
7. **Details of programmes discontinued, if any, with reasons:**
Biotechnology teaching programme at M.Sc. level started from 1997 with the coordinated effort of the Department of Botany and Department of Zoology, however, it was fully supported by the DBT-HRD grant and the students admitted were those who qualify through combined entrance examination conducted by JNU. Since it gave an all India character to the Department, the course with students admitted from the examination through Visva-Bharati entrance test was discontinued from 2005.
8. **Examination System:** Semester and Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Yes.
The faculties of the Department taught “Cell Biology” course to the 5 year integrated course of Physical sciences of the University from 2009 to 2012.

10. Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 1 |
| Associate Professors | 2 | 2 | 2 |
| Asst. Professors | 4 | 4 | 4 |
| Others | Nil | Nil | |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) Name : Dr. S.P. Adhikary
Qualification : Ph.D., D.Sc.
Designation : Professor
Specialization : Microbiology; Bioprocess Engineering
No. of Years of Experience : 33 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04 (Awarded), 01 (Submitted), 04 (Working)
- b) Name : Dr. Amit Roy
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Molecular Biology; Genetic Engineering
No. of Years of Experience : 12 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 01 (Awarded), 01 (Submitted), 05 (Working)
- c) Name : Dr. T. Chaudhuri
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Virology, Cell Biology
No. of Years of Experience : 08 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03 (Working)
- d) Name : Dr. Nilanjana Das
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Biochemistry IPR
No. of Years of Experience : 08 years
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 02 (Working)
- e) Name : Dr. Jolly Basak
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Biochemistry Bioinformatic
 No. of Years of Experience : 05 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 04 (Working)
- f) Name : Dr. Narottam Dey
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Plant Biotech Biostatistics
 No. of Years of Experience : 08 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 04 (Working)
- g) Name : Dr. Samiran Saha
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Immunology, Animal Biotechnology
 No. of Years of Experience : 04 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01 (Working)
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
 a) Prof. Sanghamitra Raha – Senior Professor of Saha Institute of Nuclear Physics, visiting Professor through UGC XIIth plan merged scheme.
13. **Percentage of classes taken by temporary faculty — programme-wise : N.A.**
14. **Programme-wise Student Teacher Ratio :**
 a) PG (2012-2014) – 4:1
 b) PG (2013-2015) – 3:1
15. **Number of academic support staff (technical) and administrative sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|------------------|--------|
| Academic Support Staff (Technical) | - | Nil | Nil |
| Administrative Staff | - | 1 (Casual Staff) | 1 |

| | | | |
|--------|---|-----------------|---|
| Others | - | 3 (Contractual) | 3 |
|--------|---|-----------------|---|

16. Research thrust areas as recognized by major funding agencies:

Thrust area identified and approved by DST-FIST: Understanding stress adaption mechanism in plants, animals and microbes; other areas are project based as approved for financial support by UGC, CSIR, DST, DBT and MOEF for projects of faculties.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: Extramural funding through projects received by the faculty: [Total amount approximately 2 crores and 45 lakhs]; Details, faculty wise received given below:

Prof. S.P. Adhikary, PI:

- Name of the project: "Molecular taxonomy of stress tolerant cyanobacteria and characterization of stress proteins and antioxidant defence systems in selected anhydrobiotes." Sponsored by Department of Science and Technology, Govt. of India(2010-2013). Rs. 29 lakhs.
- Name of the project: "Taxonomy capacity building project on Algae-AICOPTAX." Sponsored by Ministry of Environment and Forests, Govt. of India; Ongoing All India coordinated project since September 2003; East zone coordinator: S.P. Adhikary. (Project completed on 31st March 2012). Rs. 32 Lakhs.
- Name of the project: DST-SSD entitled "Development of seaweed liquid fertilizer formulation for pulses and vegetable crops and its popularization for development of entrepreneurship in rural areas." sponsored by Department of Science and Technology, Govt. of India (2010-2013). Rs. 12.75 lakhs.
- International collaboration on "Biotechnology and nanotechnology of Cultural Heritage" between Prof. S.P. Adhikary, Visva-Bharati, India and Prof. Patrizia B. Albertano / Dr.Laura Bruno, Department of Biology, University of Rome, Tor Vergata, Italy (2011-2013).
- Dr. B.P. Pal National Environmental Fellowship award project on Biodiversity by MOEF, Govt. of India to Prof. S.P. Adhikary. (2012-2014). Rs. 12 Lakhs

Dr. A. Ray, PI:

- Name of the project: "Screening and characterization of antimicrobial compound(s) from *Ceriops decandra*, a beneficial mangrove plant from Indian Sundarban estuary." Sponsored by UGC, New Delhi (2011-2014). Rs. 9.15 Lakhs

Dr. Nilanjana Das, PI:

- Name of the Project: "Age and reactive species mediated modification of

macromolecules and its physiological consequences in Yeast (*Saccharomyces cerevisiae*).” Sponsored by DST, Fast Track project, Govt. of India (2010-2013). Rs.18.76 Lakhs.

- b) Project entitled “Evaluation of age associated alterations in anti-oxidative defense in *Saccharomyces cerevisiae* and its role in accumulation of oxidative stress.” Sponsored by CSIR (2013-2016). Rs. 28.05 lakhs.
- c) Minor project entitled “A study on the probable reasons behind selective susceptibility of proteins to age and oxidative stress using bioinformatics tools.” Sponsored by UGC. Rs. 1.2 Lakhs.

Dr. J. Basak, PI:

- a) Name of the project: “cDNA-AFLP to identify differentially expressed genes in *Vigna mungo* upon inoculation with Mungbean Yellow mosaic Indian virus.” Sponsored by DST, Fast Track Project, Govt. of India (2012-2015). Rs. 24 Lakhs.
- b) Name of the Project: “Identification and characterisation of *Phaseolus vulgaris* micro RNAs differentially expressed in biotic stress condition by deep sequencing of small RNA transcriptomes.” Sponsored by DBT, Govt. of India (2012-2015). Rs. 44.12 Lakhs

Dr. Narottam Dey, PI:

- a) Project entitled: “Biochemical and molecular profiling of West Bengal folk rice germplasm with reference to abiotic stress tolerance.” Sponsored by DST, Govt. of West Bengal (2010-2013). Rs 10.27 lakhs.
- b) Project entitled: “Allele mining of stress tolerance in traditional and wild relatives of rice *Oryza sativa* Linn.” Sponsored by UGC (2011-2014). Rs 8.99 lakhs

Dr. Samiran Saha, PI:

- a) Project entitled: “Therauptic and immunomodulatory potential and mechanism of action of *Tinospora* spp. Against visceral leishmaniasis,” Sponsored by UGC (2013-2016). Rs. 13.19 Lakhs.

18. Inter-institutional collaborative projects and associated grants

- a) **National collaboration:** Nil
- b) **International collaboration:**
With University of Rome “Tor Vergata” and Visva-Bharati (Indian side PI: Prof. S.P. Adhikary) on Biotechnology and nanotechnology of cultural heritage, 2009-2011; renewed: 2012-2013)

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE, DBT, ICSSR etc.; total grants received: DST-FIST Grant for the period from 2012-2017: Rs. 45 lakhs

20. Research facility / centre with**a) State recognition:** Nil**b) National recognition:** The Department is supported by DBT-Govt. of India for HRD in M.Sc. Biotechnology, and the students who qualify the All India combined entrance examination in Biotechnology by JNU are admitted in the programme on the basis of merit-cum-choice of the students.**c) International recognition:** Nil**21. Special research laboratories sponsored by / created by industry or corporate bodies:** With the support of the M.SC. Biotechnology programme by the HRD division of the Dept. Biotechnology, Govt. of India special laboratories were strengthened at the Department.**22. Publications:****a) No. of papers published in peer reviewed journals (national/international):** – Total publications during 2010-2013 = 39;
National = 19; International = 20**b) Monographs:** – One (J. Cramer, Stuttgart)**c) Chapters in Books:** – during 2010-2013= 10**2010****i)** Rath, J. and Adhikary, S.P. Biodiversity of Chilika lake, east coast of India in diversity of lower plant Eds. Gupta, R.K. and Kumar, M. IK International Publishing House Pvt. Ltd., New Delhi, pp.121-136, 2010.**2011****i)** Sethi, S.K. and Adhikary, S.P. Rhizobium biofertilizer: Retrospect and prospects. In: Microbial Biotechnology and Ecology. Eds. Vyas, D., Paliwal, G.S., Khare, P.K. and Gupta, R.K., Daya Publishing house, New Delhi., pp. 1-28, 2011.**ii)** Bidisha Bagh, Amit Roy and Santanu Ray: Fluoride toxicity through drinking water in Birbhum district, West Bengal – its adverse effects & bioremediation” by in Proceedings Vth World Aqua Congress, 2011 Volume – IV: Adaptive and integrated water management. Editor: Dr. Sanjay Rana.**2012****i)** Dey, N. Adoption of Proper Strategies for Lowering the Green House Gas (Carbon Dioxide, Methane) Emission from Rice Fields. Sustainable Agricultur edited by Kazi, M.B. Rahim, Debashis Sarkar, Bidhan Chandra Roy. New Delhi Publishers, New Delhi, 2012 .**ii)** Sethi, S.K. and Adhikary, S.P. Azotobacter: A plant growth promoting

- Rhizobacteria used as biofertilizer. In. Dynamics Biochemistry, Process Biotechnology and Molecular Biology. Global science books, Japan, pp.68-74, 2012.
- iii) S.P. Adhikary, Development of Biofertilizer formulations for rice cultivation: a success story in a village in the Ganjam district of Odisha. In. Proc. National seminar on New Frontiers in Plant science Research for sustainable development. Ed/ S.K. Nayak, P.N. Auto. College, Khurda, Odisha, Pp. 141-150, 2012.
 - iv) S.K. Ratha, Misra, N., Panda, P.K. and Adhikary, S.P. Cyanotoxins: an overview of their impact on human health. In. Microbial toxins and toxigenic microbes. Eds. V.D. Pandey and S.K. Singh, Studium Press, LLC, pp. 425-464, 2012.
 - v) Dey N. Biodiversity and Biotechnology: Impact on sustainable Rice production. Book chapter in "Biodiversity-The natural Wonder" ISBN: 978-93-80663-61-6. Page No: 63-74, 2012.
 - vi) Dey N, Role of Biotechnology and Genomics in Sustainable Rice Production. In Ecoconservation and Sustainable Living. Narosa Publishing House, New Delhi. India (ISBN 978 1-8487-216-3) Chapter 14 Page-162-166, 2012.

2013

- i) Maiti S, Basak J and Pal A. Current understanding on plant R-genes/proteins and mechanisms of defense responses against biotic stresses. In: Review of plant pathology, Ed. B. N. Chakraborty. Vol 6, 2013 ISMPP publications (in press).
- d) **Edited Book:** – Nil
- e) **Books with ISBN with details of publishers:**
Daya Publications, New Delhi; Pointer Publications, Jaipur, Rajasthan.
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** 39
- d) **Citation Index – range/average:** Last 5 years: Range = 4 to 762; Average = 171
- e) **SNIP:** N/A
- f) **SIR:** N/A
- g) **Impact Factor – range/average:** 2010-2013: Range: 0.3 to 4.98; Average = 3.03
- h) **H-index:** All publications of the following faculty as follows: Prof. S.P. Adhikary (21); Dr. T. Chaudhuri (21); Dr. N. Das (8); Dr. J. Basak (4), Dr. S. Saha (4).

- 23. Details of patents and income generated:** One patent approved (in collaboration with IICB, a CSIR National Institute, Kolkata).
- 24. Areas of consultancy and income generated:** Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Prof. S.P. Adhikary visited (a) Commenious University, Bratislava, Slovakia under SAIA Fellowship for one month, 2010; (b) Biological Research Centre of Hungarian Academy of Sciences, Szeged for one month, 2011 under INSA-HAS Academic exchange.
 - Dr. Narottam Dey visited University of West Hungary for three months, 2012 under INSA-HAS Academic exchange.
 - Dr. Nilanjana Das will be visiting University of Edinburgh, Scotland for one month, 2013 under INSA-UK Academic exchange program.
- 26. Faculty serving in**
- National committees:**
Prof. S.P. Adhikary
 - Member of CSIR NMITELI Project on Biofuel from marine micro-algae (2011-2013)
 - Member for evaluation of research projects in Biotech of UGC (2011-2012)
 - Member of Research Advisory Board of ICAR Institute- National Institute of Abiotic stress management at Baramati, Maharastra.
 - Member of the committee for Jawaharlal Nehru best thesis award in Agriculture and Allied Sciences of ICAR, 2011-2012.
 - Member of the committee for Swami Sahajananda Saraswati best extention scientist award in Agriculture and Allied Sciences of ICAR, 2013.
 - International committees:**
 - Editorial Boards:**
 - Any other (please specify):**
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
- There is no Academic staff college at Visva-Bharati; hence not conducted any UGC/ASC refresher or orientation course in the field of Biotechnology. However the faculties participated in these programmes for career improvement, and Prof. S.P. Adhikary has delivered lectures as resource person in ASC at Sambalpur University, Utkal University, University of Burdwan and North Bengal University during the last 4 years.

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects:** 100% (this a part of the DBT sponsored course curriculum)
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** (Nil; In-house project under the supervision of a teacher of the Dept. is a must as per DBT)

29. Awards / recognitions received at the national and international level by

a) Faculty:

- i) Fellow of the National Academy of Agricultural Sciences (FNAAS), 2009
- ii) Dr. B.P. Pal National Environmental Fellowship Award for Biodiversity by the Ministry of Environment and Forests, Govt. of India , 2010
- iii) Fellow of National Environmentalists Association (FNEA), 2010.
- iv) “Life time achievement award in Phycology” conferred with a medal and citation by KIA, Chennai at the National conference on Algae and Algal Products at Satyabama University, Chennai on 22nd September 2011.
- v) Prof. Harihar Pattnaik memorial Award in Environmental science (for contribution in the field-Phycology) by Orissa Botanical Society at Ravenshaw University, Cuttack on 22nd December 2012.
- vi) Prof. S.P. Adhikary Professor, visited Biological Research Centre, Szeged, Hungary under INSA-Hungarian Academy of Sciences bilateral exchange programme, for 4 weeks in 2011 and University of West Hungary under Indo-Hungarian EEP through UGC for 15 days in January 2014..
- vii) Dr. Narottam Dey Assistant Professor, visited Institute of Agricultural Research, Martonvasar, Hungary under INSA-Hungarian Academy of Sciences bilateral exchange programme, for 3 months in 2012.
- viii) Dr. Nilanjana Das, Assistant Professor visited Scotland under INSA- UK bilateral exchange programme for one month in 2013.

b) Doctoral / post doctoral fellows:

- i) Mr. Sudipta Kumar Das, doctoral student under Prof. S.P. Adhikary visited Comenius University at Bratislava. Slovak Republic for 10 months under SAIA fellowship to work in collaborative mode with Prof. Lubomir Kovacik on algae of alpine lakes and comparing with the lakes of eastern Himalayas.
- ii) Mr. Dhanesh Kumar, doctoral student under Prof. S.P. Adhikary visiting Institute of Botany, ASCR, Trebon, Czech Republic for 9 months under an Indo-Czech Fellowship to work in collaborative mode Dr. H. Lukavsky.

c) Students:

Seven students obtained fellowship through INSA-NASI to carry out summer projects at CCMB, Hyderabad, IICT, Hyderabad, BHU, TIFR and JNU during 2011, 2012 and 2013 for eight to ten weeks.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) National seminar of Diversity and Biotechnology of Cryptogams, December 3 to 5, 2010 in collaboration with Department of Botany, Visva-Bharati; Funding CSIR, New Delhi
- b) Regional workshop-cum training programme to farmers and entrepreneurs on organic farming at Village Maniakati, Dist Ganjam, Orissa, October 27 and 28, 2010; Funding; dst, New Delhi
- c) National workshop-cum training to farmers and entrepreneurs on Seaweed liquid fertilizer for pulses and vegetable crops in collaboration with soil testing lab of Palli Siksha Bhavana at Visva-Bharati from 27 to 28 February 2011, Funding: DST, New Delhi.
- d) National seminar on Science and Nature: Tagore's vision and its relevance on behalf of the Siksha Bhavana, Visva-Bharati on 12th and 13th February 2011 on the occasion of celebration of 150th year birth anniversary of Gurudev Rabindranath Tagore, the founder of Visva-Bharati, Funding: CSIR and Visva-Bharati
- e) Seminar cum workshop on "Seaweed liquid fertilizer for entrepreneurship development" for farmers, SHGs, NGOs, agriculture officials and students at KVK, Krishi Siksha Bhavana, Sriniketan, Visva-Bharati on 19th and 20th November 2012 ; Funding: DST, New Delhi
- f) National seminar on Recent advances in rice genomics and biotechnology, 23 to 24 March 2013; Funding: XIIth plan scheme, VB.
- g) Seminar on Food security in GM crops, 31st October 2013. Funding: DST, Govt. of West Bengal under Science popularization programme.
- h) National seminar on Frontiers in Algology and Algal Biotechnology, NCFAAB 2013 from November 15 to 17, 2013; Funding: DBT, DST, CSIR, Govt. of West Bengal and VB under XIIth plan merged scheme

31. Code of ethics for research followed by the departments:

As per MHRD guidelines.

32. Student profile programme-wise:

| Name of the program (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|--|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| PG 2010-12 | Students qualified in All India examination of JNU are admitted | 4 | 5 | 100 | 100 |
| PG 2011-13 | | 5 | 5 | 100 | 100 |
| PG 2012-14 | | 3 | 6 | 100 | 100 |
| PG 2013-15 | | 5 | 6 | 100 | 100 |
| Ph.D. Course Work 2012 | 23 | 7 | 4 | Not applicable | |
| Ph.D. Course Work 2013 | 19 | 4 | 3 | Not applicable | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|---|--|--|---|--|
| PG (2010-12) | Nil | Nil | 100% | Nil |
| PG (2011-13) | Nil | Nil | 100% | Nil |
| PG (2012-14) | Nil | 30% | 70% | Nil |
| PG (2013-15) | 20% | 40% | 60% | Nil |
| Ph.D (2011-12) | Nil | Nil | 100% | Nil |
| Ph.D (2012-13) | 10% | 30% | 60% | Nil |
| Ph.D (2013-14) | 10% | 40% | 50% | Nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) Civil Services/Defense services: NIL
- b) NET: 2011:7; 2012:2; 2013:1
- c) SET/RET-VB: 2011: 12; 2012:11, 2013:9
- d) GATE: 2011:10, 2012:7; 2013:3

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------|-----------------------------|
| UG to PG | Not Applicable |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 2010: 88% |

| | |
|---------------------------------|-------------------------------------|
| | 2011: 70% 2012: 55% 2013: 33% |
| Ph.D. to Post-Doctoral | 2 (Two) |
| Employed | No campus placement provision |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | 1 (One) |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | None |
| from other universities within the State | 71.4 |
| from universities from other States | 28.6 |
| from universities outside the country | None |

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** All the faculties of the Department have been awarded Ph.D., and one with D.Sc. but before joining the Visva-Bharati service as faculty and all the faculties with Ph.D. degree during the assessment period.

38. Present details of departmental infrastructural facilities with regard to

- Library:** Books in seminar library of the Department = 575
- Internet facilities for staff and students:** Available
- Total number of class rooms:** 2 (one class room and one seminar room with computer and internet)
- Class rooms with ICT facility:** No
- Students' laboratories:** One General laboratory
- Research laboratories:** Five (along with sitting desk of seven teachers)

39. List of doctoral, post-doctoral students and Research Associates:

- Doctoral list from the host institution/university – One***
- From other institutions/universities – 21**

| Sl. No | Name of the student | Presently enrolled | Title of the thesis |
|--------|---------------------|---------------------|---|
| 1 | Bidisha Bagh | Ph.D. Awarded, 2012 | Fluorosis in Birbhum district, West Bengal - its cause, effect, influencing factors and remedial measures |
| 2 | Vinod Kumar Gupta | Submitted Ph.D. | Study of antimicrobial activities in |

| Sl. No | Name of the student | Presently enrolled | Title of the thesis |
|--------|------------------------|---|---|
| | | thesis, 2013 | the extracts of mangrove plants of Sundarban estuary |
| 3 | Prabuddha Srakar | Course work completed, registered in 2010 | Cloning and partial characterization of a gene encoding phosphoketolase from <i>Temitomyces clypeatus</i> |
| 4 | Bhabani Prasad Bag | Course work completed, registered in 2010 | Comparative modeling and molecular docking studies of agonists and antagonists with native and in-silico mutant structures of Serotonin receptors to design novel inhibitors. |
| 5 | Aritra Simlai | Course work completed, registered in 2012 | Studies on the antimicrobial activities of <i>Ceriops decandra</i> , a mangrove plant from Indian Sundarban estuary |
| 6 | Nitin Keshari | Course work completed, registered in 2012 | Stress tolerant cyanobacteria colonizing stone monuments and characterization of their antioxidant defence system |
| 7 | Dhanesh Kumar* | Course work completed, registered in 2012 | Cyanobacteria in biological soil crust and characterization of their adaptation to water stress |
| 8 | Debabrata Mohanty | Course work completed, registered in 2012 | Biotechnological aspects of seaweed I; liquid fertilizer (SLF) and its application in agricultural productivity |
| 9. | Madhumanthan Mukherjee | Course work completed, registered in 2012 | Age- and oxidative stress mediated modifications in <i>Sacharomyces cerevisiae</i> |
| 10 | Padmalochan Hembram | Course work completed, registered in 2012 | Transcriptome profiling of drought and salinity stress responsive genes from <i>Phaseolus vulgaris</i> |
| 11 | Rajib Roychoudhury | Course work completed and registered in Feb. 2013 | Genetic Analysis in rice (<i>Oryza sativa</i> L.) with special reference to Agromorphology, Quality and Abiotic stress Tolerance |

| Sl. No | Name of the student | Presently enrolled | Title of the thesis |
|--------|----------------------|---|--|
| 12 | Joydip Karmakar | Course work completed and registered in Feb. 2013 | Molecular profiling of selected Rice landraces for Abiotic Stress Tolerance and characterization of associated Plant Growth Promoting Microorganisms |
| 13 | Showkat Ahmed Ghanie | Course work completed and registered in Feb. 2013 | Studies of Molecular Genetic Diversity in Rice with reference to Salinity Stress. |
| 14 | Padmalochan Hembram | Course work completed; registered for Ph.D. in Sept. 2013 | Transcriptome profiling of salinity and drought stress responsive genes in <i>Phaseolus vulgaris</i> |
| 15 | Nibedita Chakraborty | Course work completed; registered for Ph.D. in Sept. 2013 | Transcriptome profiling of <i>Vigna mungo</i> upon mugbean yellow mosaic virus infection |
| 16 | Nisha Patwa | Course work completed; registered for Ph.D. in Sept. 2013 | Identification and characterization of <i>Phaseolus vulgaris</i> micro RNAs under biotic stress. |
| 17 | Sonali Bej | Course work completed; registered for Ph.D. in Sept. 2013 | Study of the epigenetic changes in <i>Phaseolus vulgaris</i> under salinity stress. |
| 18 | Amrita Paul | Course work completed; registered for Ph.D. in Sept. 2013 | Genetic diversity and population structure of West Bengal rice landraces. |
| 19 | Moumita Choudhury | Course work completed; registered for Ph.D. in Sept. 2013 | Study of biological activities of <i>Avicenia alba</i> , a mangrove plant of Sundarbans |
| 20 | Pratyusha Dey | Course work completed; registered for Ph.D. in Sept. 2013 | Characterization of selected mangrove plants through genetic and biochemical profiling |

| Sl. No | Name of the student | Presently enrolled | Title of the thesis |
|--------|---------------------|---|---|
| 21 | Sanchita Banerjee | Course work completed; registered for Ph.D. in Sept. 2013 | Cloning and partial characterization of a gene encoding cellobiose dehydrogenase from <i>Termitomyces elypeatus</i> |

In addition to the above 21, Nine students have been qualified in the VB-RET examination to be enrolled for Ph.D. at the Department of Biotechnology in August 2013. Of these three have passed M.Sc. from the host Institution in 2013. They will be registered for Ph.D. and take course work at the Department for one semester, and after successful completion will be finally enrolled with the title of thesis for Ph.D. under the supervision of a teacher of the Department.

40. **Number of post graduate students getting financial assistance from the university:** All the students admitted in the course receive @ Rs.3000/- per month towards studentship from Department of Biotechnology, Govt. of India.
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Not applicable as no new programmes were undertaken during the last 5 years.
42. **Does the department obtain feedback from**
 - a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes. The teaching and research activities of staff are monitored by the Head of the Department, assessed every year and reported to the authority confidentially.
 - b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The feed back was obtained every year from the out-going students at the end of 4th semester. The areas which need improvement are discussed in the Board of studies and appropriate action is taken to incorporate the feedbacks of the students on the curriculum and teaching.
 - c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** The alumni of the Department are very few, as the Department is new with a intake of average of 10 students per year, and they are all carrying out research in different national Institutes and Universities of India, The Department is in touch with almost all of them and they are helping our students for placement in Summer training and for research work after completion of their course.
43. **List the distinguished alumni of the department (maximum 10):**
The Department is a new one, with 7 batches with DBT supported programme passed

out from 2004-05; All of them are either pursuing Ph.D. in other institutions or have taken jobs in private and Govt. sectors, but have not have a mark as a distinguished alumni.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Every year several experts from diverse disciplines of Biotechnology are invited from across India, with an average of 7 to 8 for delivering special lectures and interacting with the students and research scholars; and also 7 seminars/workshops were organised by the Department. The external experts who delivered lectures/ interacted with the students during the period of Assessment are:

Prof. H.D. Kumar, BHU, Varanasi, Dr. A.C. Banerjee, East Bengal Chemicals, Kolkata; Prof. S.C. Kundu, Dept. Biotech., IIT, Kharagpur; Prof. U.C. Banerjee, NIPER, Mohali, Prof. N. Anand, Univ. Madras, Chennai; Prof. L.C. Rai, CAS Botany, BHU; Dr. M.K. Maiti, IIT, Kharagpur, Prof. R.K. Sen, IIT, Kharagpur; Prof. G. Subramanian, Ex. Director, NFMC, BDU, Trichi, Dr. Laura Bruno, Univ. Rome, Italy; Dr. R. Constgri, Univ. Of Messina, Sicily; Prof. Lubomir Kovacik, Comenius University, Bratislava, Slovak Republic; Prof. A.K. Tripathy, BHU, Varanasi, Prof. A. Kumar, BHU, Varanasi, Prof. Sumita Jha, Univ. Calcutta, Prof. Rintu Banerjee, IIT, Kharagpur, Prof. G.B.N. Cahini, Utkal University, Bhubaneswar; Dr. K.c. Gupta, Director, IITR, Lucknow; Prof. A.N. Lahiri Majumdar, Bose Institute, Kolkata; Prof. A.K. Rai, Head, CAS Botany, BHU, Varanasi.

45. List the teaching methods adopted by the faculty for different programmes:

The method of teaching followed in the class room are mostly through black board or interactive boards. For special lectures LCD project with power point and /or overhead projectors are used.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Feed back on the subject taught are monitored through questionnaire in the class, in addition to internal assessment for continuous evaluation of the program to assess whether the objectives are fulfilled.

47. Highlight the participation of students and faculty in extension activities:

Visva-Bharati, with its Sriniketan campus is consistently carrying out social and extension activities in rural sector, especially in the field of agriculture in many of its adopted villages. We the faculties of Biotechnology and students are regularly interacting with the people in the rural areas, unemployed youth and NGOs for transfer of technology developed in the field of bio-and organic fertilizer for sustainable agriculture. Such activities are carried out with funding from societal projects of DST

and DBT, Govt. of India.

48. Give details of “beyond syllabus scholarly activities” of the department:

The students and research scholars with the guidance of faculties are taken regularly to visit different National Institutions and industries to interact with the scientists / Entrepreneurs in their field of their interest. They are also taken to study tour to different parts of India for sample collection, studying the biodiversity and to know the cultural traditions of different regions of our country.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: The progress of the Department regarding the research output of faculties, their accreditation being nominated into different committees, the students qualification in National level tests like NET/GATE/RET/SLET and their placement is being evaluated each year by the Department of Biotechnology, Govt. of India in the annual course-coordinators meeting. Suggestion by experts are made each year for further upgradation and increasing the efficiency of the out put of the course through DBT support.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) Identifying the microorganisms colonizing the heritage structures of cultural importance, their stress adaptation potential and possible measures for their control for conservation of monuments.
- b) Biodiversity assessment of freshwater and marine algae in the eastern region of India, including North eastern region, and their hotspots in eastern Himalayas and Indo-Burmese tract; culture of potential species for bioprospecting.
- c) Bioactive compounds in the salt adapted mangrove plants of Sundarbans for drug development.
- d) Genomics and proteomics to find out the host- *Vigna mungo* and its pathogen, Yellow bean mosaic India virus interaction.
- e) Genetic profiling of rice land races of West Bengal using molecular markers.
- f) Antioxidant defense enzymes in relation to aging taking *Saccharomyces cerevisiae* as the model organism.
- g) Response of commonly used stimulants on the action of Leshmaniasis.
- h) The research in relation to these fields of science have been published in several journals with impact factor as well as peer reviewed journals with ISSN number.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC)

of the department:**a) Strengths:**

- i) Biotechnology education in Santiniketan in the Birbhum district of West Bengal, an University founded by Rabindranath Tagore for imparting education in a rural setup for benefit of under privileged people (is a Central University of national importance since 1951) – DBT support is a tribute to the vision of Tagore to impart most up-to-date science education for rural masses.
- ii) Several students from across India had the opportunity to undertake Biotechnology studies at Santiniketan which is also known for its rich cultural heritage thus in addition to learning this most advanced science subject, students other states, because of the DBT support, have the opportunity of imbibing the cultural traditions of our country while studying at this great Institution.
- iii) Several of our students are now working abroad, in several reputed national laboratories and also appointed in companies across India perpetuating the knowledge they have gained by studying in Santiniketan.
- iv) With support of DBT the Centre for Biotechnology was able to establish good laboratory facilities for the benefit of the post graduate students as well as research scholars including also of the other Departments and Centres.
- v) The Department is in the process of strengthening its facilities showing the visibility of the importance of Biotechnology education in rural India, especially in the eastern region of India.

b) Weaknesses:

- i) Space: The Department, a relatively new one established in 1997 has inadequate space to cater to the need of the 7 faculties, 20 students per year and more than 25 research scholars.
- ii) The Department do not have any permanent supporting staff like office assistant, store keeper, laboratory assistant/technician/ laboratory attendant, peon and sweeper etc., hence the staff of the Department and the Head are devoting much of their precious time in the Department with day to day official works including purchase matters which is curved from their research assignments.
- iii) There are no student common room, Ladies toilet, Departmental library, Departmental seminar room, a room dedicated to computer and internet facility for the students etc. which is hindering o the personal interaction with the students.
- iv) A Central instrumentation laboratory which is essential, as the Department

has many sophisticated equipments purchased from DBT support, FIST as well as various projects of the staff members. This is lacking hence research scholars are forced to work on shift basis.

- v) Animal house, plant tissue/cell culture and Fermentation cum bioreactor facility are essential parts of biotechnology teaching and research, which we could not provide due to unavailability of designated space/room, hence is also a major constraint.

c) Opportunities:

- i) Strengthening Biotechnology teaching in a rural set-up in Birbhum, a backward region of West Bengal.
- ii) Entrepreneurship development in biotechnology sector for empowerment of rural people, Women and un-employed youth.
- iii) Teaching Biotechnology to school and Higher secondary students through the expertise of the Department.
- iv) Transfer of technology through regular extension programmes especially in the agricultural sector with the help of well structured KVK existing at Sriniketan of Visva-Bharati.
- v) With the technology developed Visva-Bharati faculty can focus the output in National and International levels.

d) Challenges:

- i) To develop state-of art laboratory for Biotechnology teaching and research at Visva-Bharati.
- ii) Finding out the channels and modus-operandi to develop out-reach activities for rural people and empowering them.
- iii) Effective student-teacher-industry mobility, collaboration and technology transfer for student placement.
- iv) Focussing the achievements in the areas of research by the faculties and developing international collaboration with MOUs for mutual benefit with regard to scientific output and external funding for research.
- v) Motivating the students trained at the Department to become entrepreneurs.

52. Future plans of the department:

- a) To establish a culture collection of cyanobacteria and microalgae isolated from stressed habitats, hot spots, rice fields and freshwaters of eastern India and screening of potential species for bioprospecting and use in industry.
- b) To establish a strong centre for networking with rural people for technology

transfer in agriculture sector as per the vision of its founder, Rabindranath Tagore in his Sriniketan experiments.

- c) Organising regular seminars and workshops for students of all levels involving schools and colleges of the rural areas of Birbhum for upgrading their scientific skill and motivating them to basic and applied sciences.

Evaluative Report of the Department of Botany

1. **Name of the Department :** Botany
2. **Year of establishment :** 1964 for Undergraduate
1967 for Postgraduate
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** Yes (Allied Courses at UG level with Chemistry, Zoology and Statistics; PG level with Integrated Science and Ph.D. programme with all Science and Agriculture Departments)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** In our Ph.D. programme faculties from other universities or institutes may act as co-supervisors.
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:** Choice Based Credit System (since 2011-12)
9. **Participation of the department in the courses offered by other departments:** Yes (Allied Courses at UG level with Chemistry, Zoology and Statistics; PG level with Integrated Science and Ph.D. programme with all Science and Agriculture Departments)
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 3 | 3 | 8 |
| Associate Professors | 7 | 6 | 2 |
| Asst. Professors | 10 | 9 | 8 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) Name : Sudhendu Mandal
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Biosystematics, Palynology & Aerobiology
 No. of Years of Experience : 34 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 09
- b) Name : Sukanta Kumar Sen
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Microbiology
 No. of Years of Experience : 31 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- c) Name : Samit Ray
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Phycology
 No. of Years of Experience : 28 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 07
- d) Name : Kashinath Bhattacharya
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Environmental Biology
 No. of Years of Experience : 29 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- e) Name : Nirmalya Banerjee
 Qualification : Ph.D.
 Designation : Professor
 Specialization : Cytogenetics & Plant Biotechnology
 No. of Years of Experience : 24 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 10

- f) **Name** : Rup Kumar Kar
Qualification : Ph.D.
Designation : Professor
Specialization : Plant Physiology & Biochemistry
No. of Years of Experience : 28 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 06
- g) **Name** : Narayan Chandra Mandal
Qualification : Ph.D.
Designation : Professor
Specialization : Mycology & Plant pathology
No. of Years of Experience : 26 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 12
- h) **Name** : Swadesh Ranjan Biswas
Qualification : Ph.D.
Designation : Professor
Specialization : Molecular Biology
No. of Years of Experience : 16 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- i) **Name** : Subrata Mondal
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Taxonomy, pollination biology, palynology and floristic
No. of Years of Experience : 16 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- j) **Name** : Chowdhury Habibur Rahaman
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Pharmacognosy & Plant Anatomy
No. of Years of Experience : 13 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 11

- k) **Name** : Soma Sukul
Qualification : Ph.D.
Designation : Assistant Professor II
Specialization : Pteridology
No. of Years of Experience : 12 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- l) **Name** : Jnanendra Rath
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Phycology
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- m) **Name** : Adani Lokho
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Angiosperm Taxonomy
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- n) **Name** : Hema Gupta (Joshi)
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Plant Ecology
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- o) **Name** : Bomba Dam
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Microbiology
No. of Years of Experience : 6 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03

- p) Name : Surendra Kumar Gond
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Mycology and Plant Pathology
 No. of Years of Experience : 1 year
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- q) Name : Satish Kumar Verma
 Qualification : M.Sc.
 Designation : Assistant Professor
 Specialization : Biochemistry
 No. of Years of Experience : 1 year
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- r) Name : Nandalal Mandal
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Cytogenetics
 No. of Years of Experience : 1 year
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:
 a) Prof. A. N. Lahiri Majumdar, Bose Institute, Kolkata
 b) Prof. Anupam Dikshit, Lukhnow
13. Percentage of classes taken by temporary faculty — programme-wise : 5% at PG level
14. Programme-wise Student Teacher Ratio :
 a) UG – 102/18
 b) PG – 88/18
 c) Ph.D. Course Work – 54/16
15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | 7 | 7 | 7 |

| | | | |
|----------------------|---|---|---|
| Administrative Staff | 2 | 2 | 2 |
| Others | - | - | - |

16. Research thrust areas as recognized by major funding agencies:

- a) Applied and industrial microbiology
- b) Metagenomics (population and functional)
- c) Microbial ecology including phosphate solubilization
- d) Antimicrobials from plants and probiotic microorganisms
- e) Food safety and preservation
- f) Phycology, ecophysiology, bioprospecting, cyanobacteria
- g) Plant biosystematics
- h) Palynology, aerobiology and allergen detection
- i) Chemotaxonomy, ethnobotany and pollination biology
- j) Signal transduction and gene expression
- k) Pharmacognosy, ethnobotany, medicinal plants diversity and their bioprospecting
- l) Diversity and ethnobotanical survey of pteridophytic flora
- m) Bioremediation and phytochemical studies of pteridophytes
- n) Study the effects of ultra high dilution substances on seed germination and plant growth
- o) Forest ecology
- p) Plant tissue culture
- q) Seed physiology
- r) Stress physiology of plants

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

a) National :

| Name of the faculty | Funding Agency | Total Grant received (in lakhs) | Project Title |
|-----------------------|----------------|---------------------------------|--|
| Prof. Sudhendu Mandal | BSI | 9.73 | Taxonomic revision of the <i>Acanthaceae</i> group |
| Prof. Sukanta | UGC | 10 | Exploration of soil |

| Name of the faculty | Funding Agency | Total Grant received (in lakhs) | Project Title |
|--|---------------------------------|----------------------------------|--|
| K. Sen | | | microorganisms for quality compost production |
| Prof. Kashinath Bhattacharya | UGC | 12.8 | Identification and immunochemical characterization of fungal spore allergens of West Bengal |
| Prof. Kashinath Bhattacharya, Dr. Chowdhury Habibur Rahaman & Dr. Hema Gupta Joshi | West Bengal Biodiversity Board. | 4.56 (for 1 st phase) | Preparation of People Biodiversity Register of Birbhum District, West Bengal. |
| Prof. Samit Ray | CSIR | 20 | Morphological and Chromosomal variations in <i>Chara fibrosa</i> complex |
| Prof. Nirmalya Banerjee | UGC | 8.0 | <i>In vitro</i> propagation and conservation of some rare and endangered species of <i>Vanda</i> and assessment of their genetic fidelity through molecular techniques |
| Prof. Rup Kumar Kar | UGC | 10.6 | Interaction of reactive oxygen species and ethylene in regulating axis growth during seed germination |
| Prof. Narayan C. Mandal | UGC | 6.95 | Exploitation of free-living phosphate solubilizing rhizobia for |

| Name of the faculty | Funding Agency | Total Grant received (in lakhs) | Project Title |
|-------------------------------|----------------|---------------------------------|---|
| | | | improvement of soil fertility and promotion of plant growth |
| | CSIR | 22.5 | Assessment of Anti-Fungal Activity of the Extracts of a Plant of North East Institute of Science & Technology (CSIR) and Searching for its Probable Mechanism of Action |
| | DBT | 34.1 | An Ethno-Botanical Survey of Indigenous Angiosperm Flora of Tripura and Assessment of Antimicrobial Potentials of those Plants |
| Prof. Swadesh Ranjan Biswas | CSIR | 20.0 | Mechanism of bile inhibition of nisin mediated antimicrobial activity of <i>Lactococcus lactis</i> W8 |
| | UGC | 9.0 | Molecular investigation in to the carbon source-mediated transcriptional regulation of nisZ gene in <i>Lactococcus lactis</i> W8 |
| Dr. Subrata Mondal | UGC | 11.65 | Pollination Ecology of Some Species of Euphorbiaceae |
| Dr. Chowdhury Habibur Rahaman | UGC | 11.58 | Inventorization and Documentation of Ethnomedicinal plants |

| Name of the faculty | Funding Agency | Total Grant received (in lakhs) | Project Title |
|---------------------|--|---------------------------------|--|
| | | | from Laterite zone of West Bengal with reference to Bioprospecting of selected plant species. |
| | W.B. State DST | 5.0 | Studies on Medicinal & Aromatic Plants of Birbhum district, and documentation of status, habitat and local uses of plant species |
| | W.B. State DST | 16.19 | Quantitative Ethnobotany, Conservation Priorities and Sustainable utilization of Medicinal Plants of Birbhum district, West Bengal with reference to Biological activity studies of some lesser known root drugs |
| Dr. Soma Sukul | UGC | 11.0 | Study of Pteridophytic flora and its Ethnobotany in rare region, West Bengal |
| | Asiatic Society | 10.0 | Homeopathic potencies, their Spectroscopic characteristics and their effect on proteins |
| | Dr. Bholanath Chakraborty Memorial Trust | 10.0 | A study of the mechanism of action of homeopathic potencies through plant models |

| Name of the faculty | Funding Agency | Total Grant received (in lakhs) | Project Title |
|--------------------------------------|----------------|---------------------------------|--|
| Prof. Samit Ray & Dr. Jnanendra Rath | UGC | 7.47 | Algal diversity of East Calcutta wetland, Ramsar site and evaluation of its phycoremediation potential |
| Dr. Jnanendra Rath | DST | 30 | Molecular taxonomy of stress tolerant cyanobacteria and characterization of stress proteins and antioxidant defense systems in selected anhydrobiotes |
| Dr. Jnanendra Rath & Prof. Samit Ray | CSIR | 20 | Prospecting chemical components from Cyanobacteria to deal with UV Radiation |
| Dr. Bomba Dam | SERB | 23.9 | Shift in microbial community structure in poultry (chicken) gut along its growth phase with special emphasis to their antibiotic resistance capability |
| Dr. Surendra Kumar Gond | UGC | 6 | Bioprospecting of endophytic fungi from <i>Rauvolfia serpentina</i> for reserpine and antimicrobials from West Bengal, India |

b) **Internation:** Nil

18. **Inter-institutional collaborative projects and associated grants**
 - a) **National collaboration:**
 - i) Botanical Survey of India, Kolkata
 - ii) Bose Institute, Kolkata
 - b) **International collaboration:** Nil
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:**

| | | |
|-----------------------------|-----------|----------|
| a) DST-FIST (till 2009) | level – I | 35 lakh |
| b) UGC-DRS (2008-2013) | | 54 lakh |
| c) DST-FIST-II (Identified) | level – I | 150 lakh |
| d) UGC-DRS | level-II | 100 lakh |
20. **Research facility / centre with**
 - a) **state recognition :** Nil
 - b) **national recognition:** Research facility created out of DST-FIST and UGC-DRS grants
 - c) **international recognition:** Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Nil
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals (national/international):** – 75/101
 - Sudhendu Mandal : 11/6
 - Sukanta Kumar Sen : 2/15
 - Samit Ray : 9/3
 - Kashinath Bhattacharya : 2/6
 - Nirmalya Banerjee : 5/9
 - Rup Kumar Kar : 3/6
 - Narayan Chandra Mandal : 11/13
 - Swadesh Ranjan Biswas : 6/4
 - Subrata Mondal : 3/10
 - Chowdhury Habibur Rahaman : 16/5
 - Soma Sukul : 4/6
 - Jnanendra Rath : 0/6
 - Adani Lokho : 1/3
 - Hema Gupta (Joshi) : 2/2
 - Bomba Dam : 0/12
 - Surendra Kumar Gond (2012-2013) : 0/13

- Satish Kumar Verma : 0/8
 Nandalal Mandal : 1/0
- b) Monographs:** – Nil
- c) Chapters in Books:** – 26/07
 Sudhendu Mandal : 17/0
 Sukanta Kumar Sen : 1/0
 Samit Ray : 2/0
 Nirmalya Banerjee : 5/0
 Rup Kumar Kar : 2/0
 Narayan Chandra Mandal : 3/1
 Subrata Mondal : 3/0
 Jnanendra Rath : 4/0
 Surendra Kumar Gond (2012-2013) : 2/0
 Satish Kumar Verma : 1/0
 Nandalal Mandal : 1/0
- d) Edited Book:** – 04
 Sudhendu Mandal : 2/0
 Samit Ray : 1/0
 Kashinath Bhattacharya : 1/0
- e) Books with ISBN with details of publishers:**
 12/1 from VDM verlag, Germany
 Sudhendu Mandal : 7/0
 Sukanta Kumar Sen : 3/0
 Samit Ray : 1/0
 Kashinath Bhattacharya : 3/0
 Narayan Chandra Mandal : 0/1
- f) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): 12/57**
 Sudhendu Mandal : 1/1
 Sukanta Kumar Sen : 2/7
 Samit Ray : 0/2
 Kashinath Bhattacharya : 0/3
 Nirmalya Banerjee : 0/2
 Rup Kumar Kar : 1/4
 Narayan Chandra Mandal : 3/5
 Swadesh Ranjan Biswas : 1/4

Chowdhury Habibur Rahaman : 1/0
 Soma Sukul : 0/4
 Jnanendra Rath : 0/6
 Bomba Dam : 0/11
 Surendra Kumar Gond (2012-2013) : 0/13
 Satish Kumar Verma : 0/7

g) Citation Index — range / average: Nil/0-78

Sudhendu Mandal : 56 (0-11)
 Sukanta Kumar Sen : 430 (0-38)
 Kashinath Bhattacharya : 68(0-18)
 Nirmalya Banerjee : 102 (0-31)
 Rup Kumar Kar : 17 (0-8)
 Narayan Chandra Mandal : 65 (0-39)
 Swadesh Ranjan Biswas : 82 (0-56)
 Subrata Mondal : 3 (0-3)
 Soma Sukul : 5 (0-4)
 Jnanendra Rath : 15 (0-5)
 Bomba Dam : 130 (1-49)
 Surendra Kumar Gond (2012-2013) : 119 (0-43)

h) SNIP: N/A

i) SIR: N/A

j) Impact Factor — range / average: 0 to 1.0/1.0 to 11.8

Sudhendu Mandal : 1.0 to 5.09
 Sukanta Kumar Sen : 0-3.0
 Samit Ray : 0.5-2.0
 Kashinath Bhattacharya : 1.51 – 3.1
 Nirmalya Banerjee : 0.0-2.5
 Rup Kumar Kar : 2
 Narayan Chandra Mandal : 0-5.17
 Swadesh Ranjan Biswas : 1.62 -3.0
 Subrata Mondal : 0.97-1.125
 Chowdhury Habibur Rahaman : 0-0.8
 Jnanendra Rath : 0-3.110
 Hema Gupta (Joshi) : 0-0.75
 Bomba Dam : 1.52 - 13.23
 Satish Kumar Verma : 0.029-3.27

k) h-index:

Sudhendu Mandal : 6
 Sukanta Kumar Sen : 14
 Kashinath Bhattacharya : 6
 Nirmalya Banerjee : 6
 Rup Kumar Kar : 3
 Narayan Chandra Mandal : 3
 Swadesh Ranjan Biswas : 4
 Subrata Mondal : 1
 Chowdhury Habibur Rahaman : 1
 Soma Sukul : 1
 Jnanendra Rath : 3
 Bomba Dam : 7
 Surendra Kumar Gond (2012-2013) : 7

23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated:** Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

National :

Prof. Sudhendu Mandal

- a) As a Member of the technical Advisory Committee (TAC) visited Indian Statistical Institute, Kolkata.
- b) As an External Member of the Board of Studies in Botany visited North Eastern Hill university, the University of Burdwan and Gourbanga University.
- c) As an External Expert Member visited Bose Institute, Kolkata.
- d) As an External Expert Member visited different Universities and Institutions for selection to the posts of Lecturer/Reader/Assistant Professor/Associate Professor/Professor.
- e) **As Expert Member of the QRT of Sorghum (ICAR, Govt. of India, New Delhi),** visited and inspected the following universities/institutes for All India Coordinated Sorghum Improvement Project of Govt. of India : (i) Directorate of Sorghum Research, Hyderabad (A.P.); (ii) Acharya N.G. Ranga Agricultural University, Palem (A.P.); (iii) Maharana Pratap University of Agriculture & Technology, Udaipur (Rajasthan); (iv) Dr. Panjabrao Deshmukh Krishi Vidyapith, Akola (MS); (v) Marathwada Agricultural University, Parbhani (MS); (vi) Nimbkar Agricultural Research Institute, Phaltan (MS); (vii) University of Agricultural Sciences, Dharwad (Karnataka); (viii) Tamil Nadu Agricultural

University, Coimbatore (TN); (ix) CCS Haryana Agricultural University, Hisar (Haryana); (x) Navsari Agricultural University, Surat (Gujarat).

Prof. Sukanta Sen

- a) Institute of Biodiversity and Sustainable Development, Manipur

Prof. Narayan Chandra Mandal

- a) National Institute of Technology, Durgapur
- b) Department of Pharmaceutical Technology, Jadavpur
- c) Department of Botany, Gauhati University, Guwahati

International :

Prof. Sudhendu Mandal

- a) Visited the Universities for Central Department of Botany, Tribhuban University, Kirtipur, Kathmandu, Nepal.
- b) Visited the UDLAP (Universidad de las Americas Puebla), Cholula, Mexico.
- c) Visited the Komarov Botanical Institute of Russian Academy of Sciences, St. Petersburg, Russia.

Prof. Sukanta Sen

- a) Department of Food Science Technology, Widya Mandala Catholic University, Surabaya, Indonesia

Prof. Rup Kumar Kar

- a) Centre for Agricultural Research, Martonvasar, Hungary
- b) University of Pecs, Hungary
- c) University of Szeged, Hungary
- d) Biological Research Centre, Szeged, Hungary

Dr. Bomba Dam

- a) Max Planck Institute for Terrestrial Microbiology, D-35043 Marburg, Germany. Received **Alexander von Humboldt** Research Fellowship for Postdoctoral Researchers during May 2010 to April 2012
- b) Max Planck Institute for Terrestrial Microbiology, D-35043 Marburg, Germany. Received Max Planck Postdoctoral Research fellowship FOUR times for the period, may-June 2013 (~1 month), October-November 2012 (20 days), May-June 2012 (1 month), and February-April 2010 (3 months)

26. Faculty serving in**a) National :**

| | Name of Committee | Serving As/ Role | Serving Since/ Duration |
|-------------------------------------|---|--|-------------------------|
| Prof Sudhendu Mandal | | | |
| 1 | Technical Advisory Committee of ISI | External Member Expert | 2009 |
| 2 | QRT of Sorghum of ICAR | Expert Member | 2012 |
| 3 | Indian Aerobiological Society | President | 2003-2007 |
| 4 | Birbhum Banabani Chetana Udyog | President | 2008 |
| 5 | Indian Science News Association | Secretary | 2006 |
| 6 | Plant Physiology Forum | Vice-President | 2012 |
| 7 | West Bengal Academy of Science & Technology | Treasurer | 2012 |
| 8 | RAC West Bengal Science & Technology | Expert Member | 2008 |
| Prof. Sukanta Sen | | | |
| 1 | Assam University | Life Science School Board | 2010-2012 |
| 2 | Kalyani University | Microbiology Research Board | 2009 |
| 3 | The Burdwan University | Biotechnology, Board of Research Study | 2009 |
| 4 | Vidyasagar University | Board of Research Study | 2011 |
| Prof. Kashinath Bhattacharya | | | |
| 1 | Indian Aerobiological Society | President | 2012 |
| 2 | Indian Science Congress 2015 | President: Environmental Sciences | 2015 |
| Prof. Nirmalya Banerjee | | | |
| 1 | Research Advisory Committee, Department of Microbiology, Burdwan University | External Member | 2010 |
| 2 | Board of Research Studies, Department of Botany, Burdwan University of Burdwan, Burdwan | External Member | 2011 |
| 3 | PG Board of Studies, Tripura University, | External Member | 2014 |

| | Name of Committee | Serving As/ Role | Serving Since/ Duration |
|---|---|------------------|-------------------------|
| | Tripura | | |
| 4 | Ph.D. Committee, Department of Botany & Forestry, Vidyasagar University, Midnapur | External Member | 2013 |
| 5 | PG Board of Studies, Department of Microbiology, Burdwan University | External Member | 2012 |
| 6 | Admission Co-ordination Cell, Visva-Bharati | Advisor | 2011 |

Prof. Narayan Chandra Mandal

| | | | |
|---|--|------------------------|------|
| 1 | Commission of Scientific and Technical Terminology, GoI, for preparing Botany Glossary in Hindi and other regional languages | Expert Member | 2012 |
| 2 | Board of Studies, Plant Protection, Kalyani University | External expert member | 2009 |
| 3 | M. Tech. Programme, department of Biotechnology, NIT, Durgapur | External Expert member | 2012 |
| 4 | Board of Research Studies, University of Gour Banga | External Expert member | 2013 |
| 5 | Biosafety Committee, NIT Durgapur | External Member | 2011 |

b) International :**Prof. Sudhendu Mandal**

| | | | |
|---|---|--------|--|
| 1 | International Association for Aerobiology, The Netherlands | Member | |
| 2 | British Aerobiology Federation, London, UK | Member | |
| 3 | Palynology Specialists Group of the Linnaean Society of London, U.K | Member | |

Prof. Kashinath Bhattacharya

| | | | |
|---|---|-------------|------|
| 1 | GEO Task US09-01a: Earth Observation Priorities for Human Health: Aeroallergens SBA (Sponsored by NASA). Group Leader: Hillel Koren, University of North Carolina, USA. | Core Member | 2009 |
|---|---|-------------|------|

| | Name of Committee | Serving As/ Role | Serving Since/ Duration |
|-------------------------------------|---|------------------|-------------------------|
| 2 | INDSUBIO (Indian Sub-Continent Biomization) Project under the auspices of Bristol Research Initiative of the Dynamic Global Environment (BRIDGE) headed by Prof. Sandy Harrison | Member | 2008 |
| Dr. Subrata Mondal | | | |
| 1 | ICPBR (International Commission on Plant-Bee Relations), Canada. | Member | 2013 |
| c) Editorial Boards : | | | |
| Prof. Sudhendu Mandal | | | |
| 1 | Current Science | Member | |
| 2 | Science & Culture | Member | |
| 3 | Nucleus | Member | |
| 4 | International Journal Mendel | Member | |
| 5 | Everyman's Science | Member | |
| 6 | Bangladesh Journal of Botany | Member | |
| 7 | Indian Journal of Landscape systems and Ecological studies | Member | |
| 8 | Brazilian Journal of Microbiology | Member | |
| 9 | Journal of Medicinal Plants | Member | |
| Prof. Kashinath Bhattacharya | | | |
| 1 | Indian Journal of Aerobiology | Member | 2008 |
| 2 | Everyman's Science | Member | 2014 |
| Prof. Nirmalya Banerjee | | | |
| 1 | Columban Journal of Life Sciences | Member | 2010 |
| 2 | Biospectra | Member | 2010 |
| Prof. Rup Kumar Kar | | | |
| 1 | World Journal of Agricultural Science (IDOSI) | Member | 2007 |
| 2 | Journal of Theoretical and Experimental Biology (Elius Academic Publishers) | Member | 2007 |
| Dr. Subrata Mondal | | | |

| | Name of Committee | Serving As/ Role | Serving Since/ Duration |
|-----------------------------------|---|------------------|-------------------------|
| 1 | Indian Journal of Plant Sciences | Member | 2013 |
| Dr. Soma Sukul | | | |
| 1 | Sukul Institute of Homeopathic Research | Member | 2007 |
| 2 | Clinical and Experimental Homeopathy | Member | 2010 |
| Dr. Adani Lokho | | | |
| 1 | Souhardya Publications | Member | 2013 |
| Dr. Bomba Dam | | | |
| 1 | Microbiological Research, Elsevier | Member | 2013 |
| 2 | Microbes and health | Member | 2012 |
| Dr. Narayan Chandra Mandal | | | |
| 4 | African Journal of Biotechnology | Member | 2011-13 |
| d) | Any other (please specify) | | |
| Prof Sudhendu Mandal | | | |
| 1 | Selection Committee member for selection of Professor, Associate Professor and Assistant Professor of different Universities | Expert Member | |
| 2 | Ph.D., M.Phil., and M.Sc. examiner of 25 universities | Member | |
| Prof. Sukanta Sen | | | |
| 1 | Selection Committee member for selection of Professor, Associate Professor and Assistant Professor in different Universities | Expert Member | 2009-2013 |
| Prof. Nirmalya Banerjee | | | |
| 1 | Selection Committee member for selection of Professor, Associate Professor and Assistant Professor in Tripura University, Dibrugarh University, Gauhati University, Vidyasagar University, Utkal University | Expert Member | 2009-2013 |
| Prof. Samit Ray | | | |
| 1 | Board of Examiner, University of Burdwan, Kalyani University, University of Gour Banga | Member | 2009 |
| Dr. Subrata Mondal | | | |
| 1 | Board of Examiner, Burdwan University | Member | 2009 |

| | Name of Committee | Serving As/ Role | Serving Since/ Duration |
|--------------------------------------|--|------------------|-------------------------|
| 2 | Board of Examiner, Vidyasagar University | Member | 2010 |
| 3 | Board of Examiner, Kalyani University | Member | 2011-2013 |
| 4 | Board of Examiner, North Bengal University | Member | 2009-2012 |
| 5 | Board of Examiner, Tripura University | Member | 2011-2012 |
| Dr. Chowdhury Habibur Rahaman | | | |
| 1 | Major Research Project Evaluation Committee, Department of Sc. & Technology, <i>Govt. of West Bengal</i> | Expert Member | 2010 |
| 2 | Board of Examiner, University of Burdwan, Kalyani University, University of Gour Banga, Tripura University | Member | 2009 |
| Dr. Narayan Chandra Mandal | | | |
| 1 | Evaluation of Major Research Projects of ICMR, CSIR, DBT (GoI), and DST (WB) | Expert Member | 2009-2013 |
| 2 | Selection Committee member for selection of Professor, Associate Professor and Assistant Professor in Kalyani, North Bengal and Burdwan Universities | Expert member | 2010-2013 |
| 3 | Adjudicator of Ph.D. theses of several Universities of India | External expert | 2009 |
| 4 | Supervised Summer Fellow(s) of Indian Academy of Science | Guide | 2013 |

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Our faculties are regularly participated in different Refresher, orientation Courses and in Workshops to improve their academic performances.

Chowdhury Habibur Rahaman

Refresher Course from Academic Staff College, Burdwan University (2009)

Soma Sukul

Refresher Course in Life Science from Academic Staff College, Kolkata (01/02/2010 to 20/01/2010)

Jnanendra Rath

Refresher Course in Madras University (01/2/2013 to 21/2/2013)

Orientation Course in North Bengal University (09/08/2011 to 05/09/2011)

Adani Lokho

Refresher course in Botany, ASC NEHU- Shillong (17/03/2011 to 6/04/2011)

Orientation course, ASC Burdwan University (03/09/2011 to 30/09/2011)

National workshop on “Hands-on Training on Techniques used in Biotechnological Research” at NEHU, Shillong (28/02/2011 to 12/03/2011)

Hema Gupta (Joshi)

Orientation course, ASC Burdwan University

Workshop in IIT Bombay

Bomba Dam

Orientation course from Academic Staff College, Burdwan University (03/06/2014 to 30/06/2014)

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects:** 100% for PG courses
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** 7-10% (varies from year to year)

29. Awards / recognitions received at the national and international level by

a) Faculty:

Prof. Sudhendu Mandal

- i) Received S.C. Dutta Memorial Award, 2014
- ii) Recieved *Millenium Plaques of Honour and a Cash Prize* from the Hon'ble Prime Minister of India, Dr. Monmohan Singh at the Inaugural Session of the 96th Indian Science Congress at NEHU, Shillong on 3rd January 2009.
- iii) Recieved *Professor E. P. Odum Gold Medal* by the International Association for Ecological Communication at the International Conference on 27th June 2009.
- iv) Bapuji Educational Association, Davangare, honoured as distinguished scientist for his contribution to Indian Aerobiology at the 16th NCA on National Symposium on Applications of Biotechnology in Environmental Management and Medicine, 2010.

Prof. Sukanta Sen

- i) Fellow of National Environmentalist Association
- ii) Fellowship of the Year Award – 2013, national Environmental Science

Academy

Prof. Kashinath Bhattacharya

- i) Fellow of The West Bengal Academy of Science
- ii) Fellow of the Indian College of Allergy, Asthma & Immunology
- iii) Fellow of Aerobiological Society of India

Prof. Rup Kumar Kar

- i) Visiting Scientist under INSA Bilateral Exchange Programme, 2014

Dr. Subrata Mondal

- i) **Best paper presentation** in the 16th national conference on Aerobiology, held at Davangere, Karnataka; 19-21 Nov.2010

Dr. Chowdhury Habibur Rahaman

- i) Fellow of MSET & ICCB (Madhawi Shyam Educational Trust & International Consortium of Contemporary Biologists) Ranchi- 834009, Jharkhand, India.

Dr. Soma Sukul

- i) Gold medal from Homeopathic Health and Medical Society on the occasion of 8th International Conference, Khulna, Bangladesh, 2014

Dr. Bomba Dam

- i) Alexander von Humboldt Research Fellowship for Postdoctoral Researchers
- ii) Young Scientist Award, DST-SERB

Dr. Jnanendra Rath

- i) BIF (Boeringer Ingelheim Fund) Fellow, Germany
- ii) Alumni of UNITER, Japan
- iii) LOBOME Awardee
- iv) Awarded Raman Post Doctoral Fellowship to visit USA for one year by UGC, New Delhi

b) Doctoral / post doctoral fellows:

Sayani Mukherjee

- i) 1st Prize in National conference on Biodiversity and its Conservation, February 16-17, 2013

Ranjan Ghosh

- i) Received best Poster award in UGC sponsored National Seminar on 'Exploitation of Biofertilizers and Biopesticides for Sustainable Development of Modern Agriculture' organized by the Department of Botany, Bankura Christian College from 18.02.2011 to 19.02.2011. He has been awarded with Best Poster-award.

Soma Barman

- i) Awarded best poster prize in Food Microbiology section in 53rd Association of Microbiologists of India, KIIT, Bhubneswar

Trina Chakraborty

- i) Awarded the P.H. Gregory Gold medal for her research work in the 17th National conference of Indian Aerobiological Society on Impact of airborne Microbes held at MAEER's Atrs, Commerce & Science College, Pune, Maharashtra from 13 – 15 December, 2012.

Sipra Roy

- i) Awarded Third Prize in oral paper presentation in the 17th National conference of Indian Aerobiological Society on Impact of airborne Microbes held at MAEER's Atrs, Commerce & Science College, Pune, Maharashtra from 13 – 15 December, 2012.

Soumi Naha

- i) ICCR-Commonwealth Fellowship

Uday Das & Bandana Pradhan

- i) Awarded best paper presentation certificate for their research work in a poster session of 16th West Bengal State Science & Technology Congress held at Burdwan University, Burdwan, West Bengal during 28th Feb. – 1st March, 2009.

Sathi Saha

- i) Awarded best paper presentation certificate for her research work in a poster session of XXI Annual conference of Indian Association for Angiosperm Taxonomy & National Seminar on “*Biodiversity Conservation and Climate Change*” held at CSIR – Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, Odisha, during 2-4th December, 2011.
- ii) FEMS Young Scientist Award 2011

c) Students:

Debabrata Laha

- i) DAAD Fellowship, Tubingen University, Tubingen, Germany

Nargis Parvin

- i) DAAD Fellowship, Ludwig Maximilian University, Munich, Germany

Soumya Biswas

- i) Erasmus Mundus fellowship, Germany
- ii) Participated in 27th Antarctic Expedition organized by Govt. of India

Rajib Mukherjee

i) South Korean Fellowship, DAEGU University

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Seminar :

- a) National Science Seminar Series organized by Siksha-Bhavana, Visva-Bharati on 27th March 2014
- b) National Symposium on “Advances in Plant Sciences, Agri-Biotechnology & Food Security” on 10th April 2009 (Prof. M.S. Swaminathan, FRS inaugurated the Symposium).
- c) National Seminar on “Rabindranath and Jagadish Chandra” on 22nd August 2009, Prof. Bikash Sinha, FNA inaugurated the seminar.
- d) National Seminar on “Advances in Life sciences” 2011.
- e) National Seminar on “Jagadish Chandra, Rabindranath, Prafulla Chandra and National Integration” on 26th February 2012.
- f) National conference on Biodiversity and Natural Resource sponsored by UGC. 2010
- g) National Symposium on “Advances in Plant Sciences Agri-Biotechnology and Food Security”. Organised by Plant Physiology Forum, Kolkata, AICBA, New Delhi and Visva-Bharati, April 10, **2010**
- h) National Conference on “Utilization of plant and microbial resources”, Organised by Department of Botany, Visva-Bharati, Santiniketan: 17-18 March, **2012**.

Workshop :

- a) Visva-Bharati sponsored Workshop on “Plant diversity: Utilization and Climate change” organized by Department of Botany, Siksha-Bhavana, Visva-Bharati during 20 -21st march, 2014.
- b) Residential Field Training Programme on “*Identification of Common Plants*” organized by West Bengal Biodiversity Board, Department of Environment, Govt. of West Bengal in collaboration with Botanical Survey of India, GOI & Visva-Bharati, and held at Department of Botany, Visva-Bharati during 22-24th March, 2014.
- c) Workshop on People’s Biodiversity Register of Birbhum district, West Bengal organized by Department of Botany, Siksha-Bhavana, Visva-Bharati in collaboration with West Bengal Biodiversity Board, Kolkata held on 8th January, 2012.

- d) UGC sponsored workshop on Medicinal Plants - Biodiversity, Sustainable Utilization and Cultivation organized by Department of Botany, Siksha-Bhavana, Visva-Bharati during 14 -15 th January, 2012.
- e) UGC sponsored workshop on Biofertilizer and Biopesticides organized by Department of Botany, Siksha-Bhavana, Visva-Bharati during February, 2012.
- f) National Seminar cum Workshop on “Probing Biology: *In vivo*, *in vitro* and *in silico*” Organised by Department of Botany, Visva-Bharati, Santiniketan and Department of Biophysics, Molecular Biology and Bioinformatics: 3-4 December, 2011.
- g) UGC sponsored workshop on “Medicinal plants- Biodiversity, sustainable utilization and cultivation”, Organised by Department of Botany, Visva-Bharati, Santiniketan: 14-15 January, 2012

31. Code of ethics for research followed by the departments:

- a) All research if performed after proper approval from Bioethic committee/Biosafety Committee
- b) Priority is given to conserve nature and its resources

32. Student profile programme-wise: Date provided for 2013-2014

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | 1200 | 14 | 20 | - | - |
| PG | 200 | 21 | 23 | - | - |
| Ph.D. Course Work | 40 | 5 | 7 | - | - |

33. Diversity of students: Data provided are for 2013-14

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 20 | 77 | 10 | 3 |
| PG | 45 | 50 | 5 | 0 |
| Ph.D. Course Work | 70 | 20 | 10 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET – 14
- b) SET – 5

- c) Civil Service/ Defense Service – 2/Nil
- d) GATE - 30
- e) Other Competitive Examination/Government Service – 134

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 95% |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 25% |
| Ph.D. to Post-Doctoral | 10% |
| Employed | |
| • Campus selection | 5 |
| • Other than campus recruitment | 82 |
| Entrepreneurs | 5 % |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 6 |
| from other universities within the State | 61 |
| from universities from other States | 33 |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | 2 (two) |
| Ph.D. | |
| D.Sc. | |
| D.Litt | |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** We have departmental seminar library containing more than 3,000 text books and reference books.
- b) **Internet facilities for staff and students:** Yes
- c) **Total number of class rooms:** Three laboratories for practical classes and three Lecture rooms
- d) **Class rooms with ICT facility:** We have one class room and one seminar room equipped with modern facilities like projector, sound system etc. One computer

room with internet facility is also available for the use of students.

- e) **Students' laboratories:** Three laboratories for general classes and eight other laboratories for special paper classes
- f) **Research laboratories:** All the faculties have their own research laboratories except newly appointed two faculties. Their laboratories are under construction.

39. List of doctoral, post-doctoral students and Research Associates:

a) Doctoral list from the host institution/university –

Awarded during last 4 years

- i) Abhijit Ghosh
- ii) Abira Choudhury
- iii) Arijit Mukhopadhyay
- iv) Asit Chandra Mandal
- v) Bandana Pradhan
- vi) Dola Boral
- vii) Gorachan Bishayee
- viii) Iesita Pan
- ix) Janojit Roy
- x) Jaydeb Gangopadhyay
- xi) Kakali Biswas
- xii) Madhumita Majumder
- xiii) Manojit Debnath
- xiv) Mir Musaraf Hussain
- xv) Poulami Jana
- xvi) Pritam Chattopadhyay
- xvii) Rajat Chakraborty
- xviii) Rajkumar Chakraborty
- xix) Sandhimita Mondal
- xx) Sandipan Chatterjee
- xxi) Shampa Dutta
- xxii) Sheuli Chatterjee
- xxiii) Sikha Mandal
- xxiv) Sofia Yousuf
- xxv) Soma Chakraborty
- xxvi) Soumi Naha
- xxvii) Subrata Raha
- xxviii) Sucheta Das
- xxix) Sutapa Choudhury
- xxx) Swagata Ghosh

- xxxix) Trina Chakraborti
 xxxxi) Vivekananda Mandal

b) From other institutions/universities – Nil

- 40. Number of post graduate students getting financial assistance from the university:** 48 (2009-2013)
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** No
- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Feed-back is regularly sought from faculty members during Local Board of Studies and Teachers meeting in the Department. Decisions are placed in Board of Studies meeting for approval. Finally it is placed in the Academic Council meeting for final approval and implementation.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:**
 On informal basis feedback is taken from final year students during their farewell programme. The suggestions are considered seriously for development of curriculum and teaching-learning aspects.
 The Principal of Bhavana collects structured feedback from final year students on each faculty and several parameters on them in a formal basis.
 - alumni and employers on the programmes offered and how does the department utilize the feedback:** Feedback is also sought from alumni during Reunion of the Department. They are also encouraged to send their feedback through e-mail to the Head of the Department.
- 43. List the distinguished alumni of the department (maximum 10):**

| Name | Institute/Country |
|---|--|
| Dr. Badal Datta (Professor) | Tripura University, Tripura |
| Dr. Manoj Majee (Scientist C) | NIPGR, New Delhi |
| Dr. Sanjib Bhakta (Asst. Professor) | Birbeck University, U.K |
| Dr. Ananda Sarkar (Scientist) | Scientist, NIPGER |
| Dr. Arunabha Dasgupta (Scientist C) | Central Drug Research Institute, Lucknow |
| Dr. Sukhendu Mandal (Asst. Professor) | Calcutta University |
| Dr. Binod C. Sharma (Assoc. Professor) | Darjeeling Govt College |
| Dr. Vivekananda Mandal (Assoc. Professor) | Gour Banga University |
| Dr. Amal Mandal (Assoc. Professor) | Vidyasagar University, West Bengal |

| | |
|---|--|
| Dr. Prakash Karmakar (Asst. Professor) | Vidyasagar University, West Bengal |
| Dr. Arnab Chattopadhyay | University of California, Los Angeles |
| Dr. Debojyoti Ghosh, PDF | University of Bourdeaux, France |
| Dr. Sushma Mishra, PDF | Bristol University, U.K. |
| Dr. Dhritiman Ghosh, PDF | Tennessee University, USA |
| Dr. Sarmistha Maity (Asst. Professor) | Krishnagar Govt. College, Krishnagar, W.B. |
| Dr. Sanjay Pal, PDF | University of Montreal, Canada |
| Dr. Pintu Banerjee (Asst. Professor) | Krishnagar Govt. College, Krishnagar, W.B. |
| Dr. Debasish Bakshi (Asst. Professor) | Bankura Christian College, W.B. |
| Dr. Arijit SinhaBabu (Asst. Professor) | Bankura Christian College W.B. |
| Dr. Arpita Banerjee (Asst. Professor) | Bankura Christian College, W.B. |
| Dr. Ashok Bhattacharyya (Asst. Professor) | Darjeeling Govt College, W.B. |

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Special Lectures:

- Special lectures on student awareness programme Advances in Life Sciences by eminent scientists of national level.
- Arranging special lectures delivered by eminent guest faculty from various universities and Institutes : (One week duration in each occasion)
- Arranging Seminars, workshops and hand-on training on modern areas of biological science for UG and PG students (sponsored by UGC, West Bengal State DST, DBT etc.)

45. List the teaching methods adopted by the faculty for different programmes:

- Conventional method through board work
- Power point presentation
- Practical demonstration
- Field visit for plant and fungi identity
- Student seminar on taught topics
- Providing lecture notes (both hard copy and soft copy) to students at the end of classes
- Regular remedial coaching for UG and PG students belonging to weaker section

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- Periodical assessment of the students of both undergraduate and postgraduate level by various modes like internal examinations, performance in national level examinations, participation and presentation in different academic programmes

including National & International Conferences, Seminars, Workshops, Training programmes, Expedition etc.

- b) Interaction of the students with reputed scientists, researchers, eminent alumni etc.

47. Highlight the participation of students and faculty in extension activities:

- a) Aforestation programme
- b) Environment Awareness programme
- c) Workshop on mushroom production
- d) Workshop on Biofertilizer and biopesticides
- e) Workshop on medicinal plants
- f) Faculty members and students (UG, PG and Ph.D) are involved in various co-curricular activities like NSS programme, NCC, Inter-University games and sports competitions, Drama competition, music competition, rural reconstruction programme etc. Such activities are the inherent characteristics of Visva-Bharati.

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Organisation of Academic Lectures like Debidas Bhattacharya Endowment Lecture
- b) Training on Science communication and Media practice
- c) DST INSPIRE INTERNSHIP Winter Camp
- d) Study tour
- e) Student related cultural programme
- f) Acting as resource person in different refresher courses
- g) Participation in exchange programmes
- h) Participation in workshops, seminars etc

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: N/A

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) Participating the international Conferences, delivering Invited lectures, acting as Chairpersons and interacting with global scientists visiting different universities and institutes like AFRC Institute of Crop Research, Rothamsted Experimental Station, Harpenden, England; University of UDLAB, Mexico; Komarov Botanical Institute, Leningrad, etc.
- b) Isolation and Development potent beneficial microbial strains for agricultural, food and industrial use
- c) Development of data bank of bioresources in our locality with potential applications.
- d) Development of techniques for conservation of biodiversity

- e) Participation of faculties, research scholars and students in the above programmes develop a strong group of manpower.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths:

- i) Post graduate Department of a Central University with good quality dedicated and devoted teachers
- ii) Faculty strength at present is 20 twenty with eight Professors
- iii) Financially supported by UGC DRS-SAP and DST-FIST programmes Choice based credit system is running for the UG and PG courses
- iv) Possibility of enhanced facility for better opportunity
- v) Interacting students programmes with eminent scientists

b) Weaknesses:

- i) Located in the remote place in West Bengal although well connected with Kolkata. Newly recruited faculty from other states always have tendency to move out from this university to nearby institutes or universities.
- ii) Maintenance of laboratory equipments is extremely time taking as it is located far from Kolkata.
- iii) Experimental research work is difficult to pursue due to frequent power cut
- iv) Infrastructure facility inadequate and needs to be strengthened further in order to provide justice to teaching and research. There is shortage of space for classrooms, individual rooms for faculties and research laboratories
- v) Lack of modern equipments like SEM/TEM, DNA Sequencer etc.

c) Opportunities

- i) Placements in various academic Institutions of India and abroad
- ii) Engagement with corporate sectors
- iii) Potential manpower development for rural reconstruction and societal development
- iv) Hand-on training and self-employment generation
- v) Exposure and participation of students and faculties to various cultural activities and social programmes unique to Visva-Bharati

d) Challenges

- i) Conservation of biodiversity through establishment of Germplasm collection centre and tissue culture laboratory
- ii) In spite of remote location of the University, establishment of collaboration with other good research institutes
- iii) To strengthen interdisciplinary research works so that we can make our

standard up.

- iv) To attract very good and high quality students
- v) To make our departmental administrative and academic environment more conducive.

52. Future plans of the department:

- a) Modernization of the existing laboratories with equipments
- b) Upgradation of curriculum
- c) Research activities at par with the present day social needs.

Evaluative Report of the Department of Chemistry

1. **Name of the Department :** Chemistry
2. **Year of establishment :** 1962
3. **Is the Department part of a School/Faculty of the university?** Yes, It is under Siksha-Bhabana (Institute of science) of Visva-Bharati.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** Yes. The department is actively involved in interdisciplinary research with the Dept. of Botany in the field of Natural Products Chemistry, and with the Dept. of Integrated Physical Science, Visva-Bharati in the field of Photophysics.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Not yet
7. **Details of programmes discontinued, if any, with reasons:** Not yet
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester systems have already been started in both U.G.(2011) and P.G.(2009) levels as per UGC guidelines with choice based credit.
9. **Participation of the department in the courses offered by other departments:** Yes. Few faculty members of our department are actively engaged in the five years integrated course in physical science under Siksha-Bhabana.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 1 | 6 (1 + 5 from CAS) |
| Associate Professors | 5 | 5 | 5 (2 + 3 from CAS) |
| Asst. Professors | 16 | 15 | 10 |
| Others | - | - | 1(DST Inspire fellow) |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) Name : Prof. I. N. Basumallick
Qualification : Ph.D.
Designation : Professor
Specialization : Physical Chemistry
No. of Years of Experience : 33 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- b) Name : Prof. D. N. Chowdhury
Qualification : Ph.D.
Designation : Professor
Specialization : Organic Chemistry
No. of Years of Experience : 32 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- c) Name : Prof. A. K. Das
Qualification : Ph.D.
Designation : Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 26 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- d) Name : Dr. P. Chowdhury
Qualification : Ph.D.
Designation : Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 19 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 08
- e) Name : Dr. P. Sarkar
Qualification : Ph.D.
Designation : Professor
Specialization : Physical Chemistry
No. of Years of Experience : 15 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04

- f) **Name** : Dr. G. Brahmachari
Qualification : Ph.D.
Designation : Professor
Specialization : Organic Chemistry
No. of Years of Experience : 15 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- g) **Name** : Dr. B. Mandal
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 23 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- h) **Name** : Dr. S. K. Chandra
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 15 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- i) **Name** : Dr. G. K. Das
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Organic Chemistry
No. of Years of Experience : 15 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- j) **Name** : Dr. B. K. Dolui
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 13 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- k) **Name** : Dr. A. Majee
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Organic Chemistry
No. of Years of Experience : 12 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- l) **Name** : Dr. B. C. Bag
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Physical Chemistry
No. of Years of Experience : 11 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- m) **Name** : Dr. N. A. Begum
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Organic Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- n) **Name** : Dr. A. Hajra
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Organic Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- o) **Name** : Dr. M. Ghosh
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Physical Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02

- p) Name : Dr. M. Seikh
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 6 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- q) Name : Ms. B. Singh
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Physical Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- r) Name : Dr. K. C. Bhowmick
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Organic Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- s) Name : Dr. Biswajit Dey
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Inorganic Chemistry
No. of Years of Experience : 4 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- t) Name : Dr. S. K. Mondal
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Physical Chemistry
No. of Years of Experience : 7 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

- u) Name : Dr. P. Sahoo
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Organic Chemistry
 No. of Years of Experience : 9 months
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- v) Name : Dr. Shovan Mandal
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Inorganic Chemistry
 No. of Years of Experience : 1 year
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty — programme-wise : Nil
14. Programme-wise Student Teacher Ratio :
 a) B. Sc. (Hons): Teacher : Students = 1: 6
 b) B. Sc. (Allied): Teacher : Students = 1: 40
 c) M. Sc. (Hons): Teacher : Students = 1: 4.5
15. Number of academic support staff (technical) and administrative sanctioned, filled and actual: 8 (Sanctioned post 10)
16. Research thrust areas as recognized by major funding agencies:
 Thrust Area – I
 Theoretical and experimental Studies on the Synthetic Possibilities and Spectroscopic Properties of Nanomaterials
 Thrust Area-II
 Synthesis, Characterization, Structure, Properties and Biological Relevance of Coordination and Polymeric Compounds
 Thrust Area- III
 Development of New Drug-like Structures based on Bioactive Organic Molecules of Natural origin

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| Name of the Investigator | Title of the Project | Sponsoring Agency | Sanctioned Amount |
|--------------------------|--|-------------------|-------------------|
| Prof. Pranesh Chowdhury | Development of high performance ion exchange resin based on quaternized polymers for selective extraction of chromium from industrial wastewater. No.01(2392)/10/EMR-II | CSIR, New Delhi. | Rs.17.2 L |
| | Development of new biocompatible hybrid materials based on grafting organic polymers onto inorganic nanomaterials. No.01(2444)/10/EMR-II | CSIR, New Delhi | Rs.18.3 L |
| | Development of organic-inorganic hybrid (nano) materials and their biological relevance No.SR/S3/ME/0018/2010 | DST, New Delhi. | Rs.35.5 L |
| Prof. Pranab Sarkar | Electronic Structure of Carbon Based Nanohybrid Materials (Ref. No. 01(2744) EMR-II/2013) | CSIR, New Delhi. | Rs. 10 L |
| Prof. Goutam Brahmachari | A sincere drive to develop eco-friendly methodologies for some useful organic transformations in the absence of organic solvents. No.02(0110)/12/EMR-II | CSIR, New Delhi. | Rs. 12.65 L |
| Dr. S. K. Chandra | Transition Metal Compounds with Potential Bridging Function Containing Polydentate Ligands | CSIR, New Delhi. | Rs. 13 L |
| | Synthesis, structure, characterization and magnetic properties of transition metal complexes with multidentate ligands | DST, New Delhi. | Rs. 25 L |

| Name of the Investigator | Title of the Project | Sponsoring Agency | Sanctioned Amount |
|--|--|-----------------------|-------------------|
| Dr. Gourab Kanti Das | Theoretical investigation on the mechanisms of various transformations of biomolecules by cofactor dependent enzymes. | UGC, New Delhi. | Rs. 7.10 L |
| Dr. Alakananda Hajra & Dr. Adinath Majee | Ionic liquids and catalysts with ionic tag: Preparation and their application in organic synthesis. (SR/S5/GC-05/2010) | DST, New Delhi. | Rs. 38.25 L |
| Dr. Alakananda Hajra | Dye sensitized solar cell: photoinduced electron transfer in porphyrin based donor-acceptor dyads attached to nanostructured films. | BRNS, India. | Rs. 31.045 L |
| Dr. Adinath Majee | Development of some 'one pot multi-component reaction' involving carbon-heteroatom bond formation by using Cu salt, Indium salt and L-Proline as catalyst. No. PSW-171/11-12. | UGC, New Delhi. | Rs. 1.92 L |
| Dr. Naznin A. Begum | Studies on biogenic synthesis of metal nanoparticles with tailor-made structural properties. No. 01(2504)/11/EMR-II | CSIR, New Delhi. | Rs. 19.01 L |
| | To study the mechanism of antioxidant as well as DNA damage prevention activities of different natural occurring flavonoids and their synthetic derivatives. No. SR/SO/BB-0007/2011 | DST, SERB, New Delhi. | Rs. 40.70 L |

| Name of the Investigator | Title of the Project | Sponsoring Agency | Sanctioned Amount |
|--------------------------|--|--------------------------------------|-------------------|
| Dr. Kartick C. Bhowmick | Asymmetric catalysis in water/aqueous media: Design and Applications of Chiral Catalysts for C-C Bond-forming Reactions | DST, New Delhi | Rs. 16.56 L |
| Dr. Biswajit Dey | Exploitation of intriguing supramolecular features of various metallosupramolecular networks of transition metal ions with N,S,O-donor organic ligands in water media. No. SR/FT/CS-77/2011 | DST, New Delhi. (Fast Track Project) | Rs. 24.8 L |
| Dr. Sudip Kumar Mondal | Better Understanding of Electrostatics and Dynamics in Protein and their Role in Protein Function Using New Synthetic Fluorescent Amino Acids as Probe. No. F. 20-5(17)/2012(BSR). (Start-Up-Grant for newly recruited faculty at Assistant Professor level in Science Department) | UGC, New Delhi. | Rs. 6 L |
| Dr. Shovan Mondal | Synthesis of bioactive heterocycles. No. IFA12-CH-56 | DST, New Delhi. | Rs. 35 L |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

Dr. Chiranjib Majumdar, BARC, Mumbai, Associated Grant Rs. 19 Lakhs, BRNS DAE Project

b) International collaboration:

- i) Prof. Guillem Aromí, Departament de Química Inorgànica, Universitat de Barcelona, Diagonal 647, 08028 Barcelona, Spain.
- ii) Enrique Colacio, Departamento de Química Inorgánica, Facultad de Ciencias, Universidad de Granada, Avda. Fuentenueva s/n, 18002 Granada, Spain.
- iii) Professeur Jean-Pierre Tuchagues, Laboratoire de Chimie de Coordination

du CNRS, 205 rout de Narbonne, 31077 Toulouse cedex, *France*.

- iv) Professor Thomas Frauenheim, Bremen Center for Computational Material Science, University of Bremen, Germany

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

- a) DST – FIST (2010 -2015 total grand received Rs. 260 lakh; Ref. No. SR/FST/CSI -208/2009 8th March 2010)
 b) UGC-SAP (2013-2018 total grand received Rs. 70 lakhs; Ref. No. F.540/17/DRS/2013 (SAP-I)

20. Research facility / centre with

- a) **state recognition** : Nil
 b) **national recognition:** Research facilities: 400 MHz NMR Spectrophotometer, HPLC, TGDTA, UV-VIS Spectrophotometers (two), Fluorimeters(two), IR spectrophotometers (two) Single Crystal X-ray diffractometer (purchase is on the process).
 Centre: UGC-SAP Phase-II, DST-FIST Phase-II
 c) **international recognition:** Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- a) **No. of papers published in peer reviewed journals (national/international):**
(2009-13)
 i) P. Chowdhury – 25
 ii) N.A. Begum – 12
 iii) P. Sarkar – 29
 iv) B. C. Bag – 22
 v) A. Majee – 33
 vi) A. Hajra – 30
 vii) P. Sahoo – 18
 viii) M. Ghosh – 39
 ix) B. Dey – 11
 x) G.K. Das – 06
 xi) G. Brahmachari – 34
 xii) A.K. Das – 03
 xiii) Shovan Mondal – 22
 xiv) Md. Motin Seikh – 19

- xv) Bhabatosh Mandal – 15
- xvi) K.C. Bhowmick – 03
- xvii) S. K. Mondal – 02
- xviii) S.K. Chandra – 03
- b) **Monographs:** – Nil
- c) **Chapters in Books:** –
 - i) **Md. Motin Seikh** and B. Raveau, “*Magnetoresistance and Phase separation in Cobalt Oxides*”, p. 107-156: **Giant Magnetoresistance: New Research: ISBN: 978-1-60456-733-5**, Ed. Adrian D. Torres and Daniel A. Perez , NOVA Publishers (2009)
 - ii) S. S. Sinha, A. Ghosh, D. S. Ray and **B. C. Bag** edited by S. K. Ghosh and P. K. Chattaraj “Quantum Brownian Motion in Spin bath” in “Concepts and Methods in Modern Theoretical Chemistry Statistical Mechanics” CRC Press, Taylor and Francis Group, 2013
 - iii) **Adinath Majee**, *Why do we need green chemistry ?* “ Green Chemistry and Sustainable Agriculture Practice : A Step towards a Better Future” Edited by Dr. Tanmay Chattapadhyay and Biplab Bhowmick, Publisher : Council of MS Academic **2013** (ISBN: 978-81-921697-3-6,
 - iv) **Alakananda Hajra**, *Green chemistry and catalysis for sustainable Organic Synthesis*, “ Green Chemistry and Sustainable Agriculture Practice : A Step towards a Better Future” Edited by Tanmay Chattapadhyay and Biplab Bhowmick, Publisher : Council of MS Academic **2013** (ISBN: 978-81-921697-3-6,
 - v) **Goutam Brahmachari (2013)**, Natural Bioactive Molecules: Impacts and Prospects — An Overview, In: *Natural Bioactive Molecules: Impacts & Prospects*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi (ISBN: 978-1-84265-780-5/978-81-8487-235-4).
 - vi) **Goutam Brahmachari (2013)**, Role of Natural Products as a Source of Alzheimer’s Drug Leads: An Update, In: *Natural Bioactive Molecules: Impacts & Prospects*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi (ISBN: 978-1-84265-780-5/978-81-8487-235-4).
 - vii) **Goutam Brahmachari (2013)**, Stevioside and Related Compounds: Molecules of Pharmaceutical Promise Beyond Zero-Calorie Sweeteners, In: *Natural Bioactive Molecules: Impacts & Prospects*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK/Narosa Publishing House Pvt. Ltd., New Delhi (ISBN: 978-1-84265-780-5/978-81-8487-235-4).

- viii) **Goutam Brahmachari (2013)**, Natural Bioactive Flavonoids — Recent Developments in Research: A Thorough Update, In: *Natural Bioactive Molecules: Impacts & Prospects*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi (ISBN: 978-1-84265-780-5/978-81-8487-235-4).
- ix) **Goutam Brahmachari (2013)**, Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds: An Overview, In: *Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds*, Goutam Brahmachari (Editor), CRC Press (Taylor & Francis Group), USA, pp. 1-8.
- x) **Goutam Brahmachari (2013)**, Gambogic Acid: A Caged Prenylated Garcinia Xanthone Potent Anticancer Agent of Pharmaceutical Promise, In: *Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds*, Goutam Brahmachari (Editor), CRC Press (Taylor & Francis Group), USA, pp. 393-415.
- xi) **Goutam Brahmachari (2011)**, Bio-flavonoids with promising antidiabetic potentials: A critical survey, In: *Opportunity, Challenge and Scope of Natural Products in Medicinal Chemistry*, Vinod K. Tiwari and Bhuwan B. Mishra (Editors), Research Signpost, Trivandrum, Kerala, India, pp.187-212.
- xii) **Goutam Brahmachari (2011)**, Natural products in drug discovery: impacts and opportunities – an assessment, In: *Bioactive Natural Products: Opportunities & Challenges in Medicinal Chemistry*, Goutam Brahmachari (Editor), World Scientific Publishing Co., Singapore, pp. 1-199.
- xiii) **Goutam Brahmachari (2011)** Andrographolide: A Plant-derived Natural Molecule of Pharmaceutical Promise. In: *Bioactive Natural Products: Opportunities & Challenges in Medicinal Chemistry*, Goutam Brahmachari (Editor), World Scientific Publishing Co., Singapore, pp. 335-367.
- xiv) **Goutam Brahmachari (2011)**, Anti-diabetic agents of natural origin: A retrospective account of some promising chemotypes, In: *Bioactive Natural Products: Opportunities & Challenges in Medicinal Chemistry*, Goutam Brahmachari (Editor), World Scientific Publishing Co., Singapore, pp. 519-599.
- xv) **Goutam Brahmachari (2009)**, Mother Nature – an inexhaustible source of drugs and lead molecules. In: *Natural Products: Chemistry, Biochemistry and Pharmacology*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi, pp. 1-22.
- xvi) **Goutam Brahmachari**, Sadhan Mondal and Shyamal K. Jash (2009),

Nuclear magnetic resonance spectroscopic behaviour of natural abietane-diterpenoids: A look through. In: *Natural Products: Chemistry, Biochemistry and Pharmacology*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi, pp. 734-781.

- xvii) **Goutam Brahmachari** and Dilip Gorai (2009), Michael addition reaction: Applications in total synthesis of bioactive natural products. In: *Natural Products: Chemistry, Biochemistry and Pharmacology*, Goutam Brahmachari (Editor), Alpha Science International, Oxford, UK / Narosa Publishing House Pvt. Ltd., New Delhi, pp.782-804.

d) Edited Book:

- i) *Natural Products: Chemistry, Biochemistry and Pharmacology*, edited by **Goutam Brahmachari** (with a foreword by Prof. Jorg Heukelbach and Prof. Ricke Speare), Alpha Science International Ltd., Oxford, U.K., 2009 (ISBN: 978-1-84265-450-7); co-published by Narosa Publishing House Private Ltd., New Delhi, India, 2009 (ISBN: 978-81-7319-886-1).
- ii) *Bioactive Natural Products: Opportunities and Challenges in Medicinal Chemistry*, edited by **Goutam Brahmachari** (with a foreword by Dr. David J. Newman), World Scientific Publishing Co., Singapore, 2011 (ISBN-13: 978-981-4335-37-9).
- iii) *Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds*, edited by **Goutam Brahmachari** (with a foreword by Prof. Dr. Raphael Mechoulam, and Prof. Dr. Takuo Okuda), CRC Press/Taylor Francis Group, LLC, USA, **2013** (To be released on February 08, 2013).
- iv) *Natural Bioactive Molecules: Impacts & Prospects*, edited by **Goutam Brahmachari** (with a foreword by Prof. Dr. Arnold Demain), Alpha Science International Ltd., Oxford, U.K., **2013** (ISBN: 978-1-84265-780-5); co-published by Narosa Publishing House Private Ltd., New Delhi, India, **2013** (ISBN: 978-81-8487-235-4).

e) Books with ISBN with details of publishers:

- i) **Prof. Asim Kumar Das** and Mahua Das, Fundamental Concepts of Inorganic Chemistry (Vol. 1-7) (CBS Publishers and distributors, New Delhi-2), **A. K. Das** & M. Das ISBN No: 978-81-239-1866-2 (vol 1) **2010**; 978-81-239-1867-9 (vol 2) **2010**; 978-81-239-1868-6 (vol 3); **2010** 978-81-239-2351-2 (vol 4) **2014 (in press)**; 978-81-239-2352-9 (vol 5) **2014 (in press)**; 978-81-239-2353-6 (vol 6)**2014 (in press)**; 978-81-239-2354-3 (vol 7) **2014 (in press)**.
- ii) **Prof. Asim Kumar Das** and Mahua Das Environmental Chemistry with

- green Chemistry (Books and Allied Pvt. Ltd.) ISBN No:81-87134-32-1, 2010
- iii) **Organic Name Reactions: A Unified Approach** (with a foreword by Prof. S. Chandrasekaran), Narosa Publishing House Private Ltd., New Delhi, India, Revised edition 2012 (ISBN: 81-7319-719-2).
 - iv) **Organic Chemistry Through Solved Problems** (with a foreword by Prof. Swapnadip Thakur), Narosa Publishing House Private Ltd., New Delhi, India, Revised edition 2012 (ISBN: 81-7319-816-0).
 - v) **Handbook of Pharmaceutical Natural Products - Vol. 1 and 2 (Hardcover)** 1st Edition, 2010. XX, 926 Pages, Major Reference Book; ISBN-10: 3-527-32148-9; ISBN-13: 978-3-527-32148-3. Publisher: Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany
 - vi) *This book authored by Dr. Goutam Brahmachari has been reviewed by Prof. Dr. Karl-Heinz Altmann, ETH Zrich (Switzerland), by Dr. Dr. Thomas Winckler, Jena (Germany), and also by John Goodier (Consultant, Goldhawk Information, London, UK).*
 - vii) **Book Review-1.** "...the author has succeeded in compiling an impressive and highly informative reference text on many pharmaceutically relevant natural products. I would recommend this book to everyone involved in research with biologically active natural products as a convenient and practical source of high quality information....." (*ChemMedChem*, 2010, **5**, 10, 1788-1789) reviewed by Prof. Dr. Karl-Heinz Altmann, ETH Zrich (Switzerland)
 - viii) **Book Review-2.** "... a useful addition to the bookshelf of every natural material specialist..." – *Pharmazie in unserer Zeit*, 2010, **39**(5), 415 (review in German) by Prof. Dr. Thomas Winckler, Jena (Germany).
 - ix) **Book Review-3.** ".....This book is clearly for specialists, the natural product chemist and the pharmaceutical chemist... I do not know whether Goutam Brahmachari intends a revised edition in the future but I am sure there will be an ongoing demand for a book like this" (*Reference Reviews*, 2011, **25**, 3, 42-43) by John Goodier, Consultant, Goldhawk Information, London, UK.
 - x) **Md. Motin Seikh, "Investigations on Transition Metal Oxides"** ISBN 978-3-8383-4217-7, Lambert Academic Publishing, Germany, (2010).
 - xi) B. Raveau and **Md. Motin Seikh**, "*Cobalt Oxides: From Crystal Chemistry to Physics*" Wiley-VCH (2012).
 - xii) **M. Ghosh**, N. K. Datta "Excitation in Impurity Doped Quantum Dots: Role of Impurity Parameter" *Invited Book*, Publisher: Lambert Academic Publishing, Germany. ISBN-10: 3844389326, ISBN-13: 978-3844389326

c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** N/A

d) **Citation Index — range / average:**

- i) P. Chowdhury – >1
- ii) N.A. Begum – >1
- iii) P. Sarkar – >1
- iv) B. C. Bag – >1
- v) A. Majee – >1
- vi) A. Hajra – >1
- vii) P. Sahoo – >1
- viii) M. Ghosh – >1
- ix) B. Dey – >1
- x) G.K. Das – >1
- xi) G. Brahmachari – >1
- xii) A.K. Das – >1
- xiii) Shovan Mondal – >1
- xiv) Md. Motin Seikh – >1
- xv) Bhabatosh Mandal – >1
- xvi) K.C. Bhowmick – >1
- xvii) S. K. Mondal – >1
- xviii) S.K. Chandra – >1

e) **SNIP:** N/A

f) **SIR:** N/A

g) **Impact Factor — range / average:**

- i) P. Chowdhury – >1
- ii) N.A. Begum – >1
- iii) P. Sarkar – >1
- iv) B. C. Bag – >1
- v) A. Majee – >1
- vi) A. Hajra – >1
- vii) P. Sahoo – >1
- viii) M. Ghosh – >1
- ix) B. Dey – >1
- x) G.K. Das – >1
- xi) G. Brahmachari – >1
- xii) A.K. Das – >1

- xiii) Shovan Mondal – >1
- xiv) Md. Motin Seikh – >1
- xv) Bhabatosh Mandal – >1
- xvi) K.C. Bhowmick – >1
- xvii) S. K. Mondal – >1
- xviii) S.K. Chandra – >1

h) h-index: N/A

23. Details of patents and income generated: Not yet any

24. Areas of consultancy and income generated: (i) Overhead Charges of research projects, (ii) Charges for NMR of sample analysis.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Dr Adinath Majee had been selected as BOYSCAST FELLOW by DST Govt. of India to work in University of Sheffield, UK with Prof J. A. Harrity

26. Faculty serving in

a) National committees:

Dr. Naznin Ara Begum, National Advisory Committee member of **First World Conference on Fracture and Damage Mechanics of Metals, Glass, Ceramics, Semi-conductors, Polymers, Alloys, Composites, Nanocomposites, Gels and Adhesives (Fracture 2014)** to be held on August 9, 10 & 11, 2014 at Mahatma Gandhi University, Kottayam, Kerala, India.

b) International committees: Nil

c) Editorial Boards:

- i) Dr. Adinath Majee of the Journal *Open Catalysis Journal*
- ii) Dr. Alakananda Hajra of the Journal of *Chinese Clinical Medicine & ISRN Organic chemistry*
- iii) Prof. Pranesh Chowdhury, Journal of Polymer Materials
- iv) Prof. Goutam Brahmachari, Editor-in-Chief, SOA J. Org. Biomol. Chem. (ISSN: 2321-4163)

d) Any other (please specify): N/A

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

| Name | Name of the course/ Summer School | Place | Duration | Sponsoring Agency |
|--------------------------------|--|--|---|-------------------|
| Dr. Adinath Majee | UGC sponsored Refresher Course | ASC, University of Calcutta | 8 th February to 27 th , 2010 | U.G.C. |
| | UGC sponsored Short term course | ASC, University of Burdwan | 9 th March to 15 th , 2013 | UGC |
| Dr. Sudip Kumar Mondal | 83 rd Orientation programme | ASC, University of Burdwan | 10/01/12 to 06/02/12 | UGC |
| | 21 st refresher course in Environmental Science | ASC, University of Burdwan | 22/09/12 to 12/10/12 | UGC |
| Dr. Bijoy Krishna Dolui | UGC sponsored Short term course | ASC, University of Burdwan | 9 th March to 15 th , 2013 | UGC |
| Dr. Naznin Ara Begum | 67 th Orientation programme. | ASC, University of Burdwan | Dec. 13, 2008 – Jan. 09, 2009 | UGC |
| | 1 st Refresher Course in Materials Science | Academic Staff College, Burdwan University | 28.06.2013 18.07.2013 | UGC |

28. Student projects:

- Percentage of students who have done in-house projects including interdepartmental projects: 100%**
- Percentage of students doing projects in collaboration with other universities / industry / institute: Nil**

29. Awards / recognitions received at the national and international level by

a) Faculty:

Dr. Alakananda Hajra, The excellent poster Award of the 11th Tetrahedronsymposium-Frontiers of Organic Chemistry, Beijing

Dr Adinath Majee had been selected as BOYSCAST FELLOW by DST Govt. of India to work in University of Sheffield, UK with Prof J. A. Harrity

b) **Doctoral / post doctoral fellows:** None

c) **Students:** Not yet

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) CRSI (Kolkata Chapter) Symposium (IX) on Chemical Research in the First Decade of 21st Century August 06, 2011: Deptt of Chemistry, Visva-Bharati.
- b) One day The Royal Society of Chemistry seminar in the Dept. of Chemistry, Visva-Bharati on 16th October, 2009
- c) Academies lecture on A three days Workshop from 29th November to 1st December 2012 on *“Recent Developments in Chemistry”*

Seminar Presented in the year 2012-2013:

| Sl. No. | Name of the Speaker | Title of the Seminar/Conference/Workshop |
|---------|---|--|
| 1 | Prof. S. Duttagupta, Vice-chancellor, Visva- Bharati; Prof. B. M. Deb, IISER Kolkata; Prof. B. C. Ranu, IACS Jadavpur; Prof. P. K. Chattaraj, IIT Kharagpur; Prof. Samaresh Bhattacharyya; Dr. Suhrit Ghosh, IACS Jadavpur; | Recent Developments in Chemistry 29 th November – 1 st December, 2012 |
| 2 | Dr. Gautam Gangopadhyay S. N. Bose National Center for Basic Sciences, Salt Lake; Kolkata | Master equation approach to heterogeneous enzyme catalysis. 22.07.2012 |
| 3 | Dr. Apurba L. Koner, Department of Chemistry, IISER Bhopal, India | Non-covalent chemistry in a confined nanospace and its applications. 23.02.2013 |

Seminar Presented in the year 2011-2012:

| Sl. No. | Name of the Speaker | Title of the Seminar |
|---------|--|---|
| 1 | Prof. Dr. Michael Springborg University of Saarlandes, Saarbrücken, Germany | Determining and Analyzing the Structure of Clusters |
| 2 | Debnath Ghoshal MRC Laboratory of Molecular Biology Cambridge University | Mechanism of Division Plane Determination |

| Sl. No. | Name of the Speaker | Title of the Seminar |
|---------|--|---|
| 3 | Dr. H. N. Ghosh Scientific Officer Radiation and Photochemistry Division Bhaba Atomic Research Centre Mumbai-400 085 | “Ultra fast charge transfer Dynamics in Dye-sensitized and Quantum Dot Solar Cell |
| 4 | Dr. Sundargopal Ghosh Department of Chemistry Indian Institute of Technology Madras, Chennai-600 036 | Chemistry and Applications of Metallaboranes |
| 5 | Prof. P.Paramanik IIT, Kharagpur | Challenges in nano-science and nano-technology |
| 6 | Prof. Sanjiv Bagchi, IISER, Kalyani | Current Trends in Chemistry |
| 7 | Prof. Chinmoy Chowdhury, IICB, Kolkata | Current Trends in Chemistry |
| 8 | Prof. Pradhyut Ghosh, IACS, Kolkata | Current Trends in Chemistry |

Seminar Presented in the year 2010-2011:

| Sl. No. | Name of the Speaker | Title of the Seminar |
|---------|--|---|
| 1 | Dr. H. N. Ghosh, Scientific Officer, Radiation and Photochemistry. Division, BARC, held on 5th February, 2011. | Ultrafast charge transfer dynamics in dye-sensitized and quantum dot solar cell |
| 2 | Dr. Sundargopal Ghosh Dept. of Chemistry IIT Madras, held on 15th February, 2011. | Chemistry and Applications of Metalloboranes. |
| 3 | Dr. Pratik Sen IIT Kanpur, held on 20 th March, 2011 | <i>Dye-protein interaction</i> |

Seminar Presented in the year 2009-2010:

| Sl No. | Name of the Speaker | Title of the Seminar |
|--------|--|---|
| 1 | <i>Prof. Swadeshmukul Santra</i> , Department of CHEMISTRY, University of Central Florida ORLANDO, USA | Functional Nanomaterials for biomedical, energy and environmental research. |
| 2 | <i>Dr. Madhu S. Mondal</i> , Early Toxicology Laboratory, Novartis Institute of Biomedical Research Cambridge, USA | Traditional and Non-traditional In Vitro Early Toxicology Assays: Application in the Discovery Phase Pharmaceutical Drug Development. |
| 3 | <i>Prof. P. Pramanik</i> , Dept. of Chemistry, IIT Kharagpur | Nano-Materials by soft chemistry |
| 4 | <i>Prof. D. S. Ray</i> , Dept. of Physical Chemistry, IACS, Kolkata | Measurement of Equilibrium Properties from Non-equilibrium Measurement. |
| 5 | <i>Prof. Ali Mohammad</i> , Department of Applied Chemistry, Aligarh Muslim University | Role of Surfactants as Separation Activator in Thin Layer Chromatography. |
| 6 | <i>Prof. B. C. Ranu</i> , Dept. of Organic Chemistry, IACS, Kolkata | Practice of Green Chemistry in Teaching & Research |
| 7. | <i>Prof. Biswanath Chakraborty</i> , Dept. of Chemistry, Kalyani University, Kalyani, Nadia | Overview of Analytical Methods applied to Industry |
| 8. | <i>Prof. Sital Chattopadhyay</i> , Dept. of Chemistry, Kalyani University, Kalyani, Nadia | Studies on the utility of amino acids in natural product synthesis. |
| 9. | <i>Prof. A. Patra</i> , Dept. of Material Science, IACS, Kolkata | New opportunities for Nano research in Nanophotonics |

31. Code of ethics for research followed by the departments: The following ethical principles we follow as code of ethics:

- Integrity (honesty, transparencies and reproducibility of data)
- Competence
- Responsibility
- Respect for the rights and dignity of the person

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG | 2009-10 =1800 | 26 | 10 | 98 | 100 |
| | 2010-11 =1900 | 26 | 11 | 98 | 100 |
| | 2011-12 =1800 | 26 | 08 | 98 | 100 |
| | 2012-13 =2000 | 28 | 16 | - | - |
| PG | 2009-10 =620 | 30 | 09 | 100 | 100 |
| | 2010-11 =700 | 29 | 09 | 100 | 100 |
| | 2011-12 =720 | 32 | 12 | 100 | 100 |
| | 2012-13 =846 | 30 | 14 | - | - |
| Ph.D | 2009-10 | 13 | 2 | 100 | 100 |
| | 2010-11 | 13 | 1 | 100 | 100 |
| | 2011-12 | 08 | 1 | 100 | 100 |
| | 2012-13 | 07 | 2 | - | - |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG | 50 % | 50% | | |
| PG | 70% | 20% | 10% | |
| Ph.D | 70% | 20% | 10% | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

| Name of the Examination | 2009-2010 | 2010-2011 | 2011-2012 | 2012-2013 |
|-------------------------|-------------------------|-------------------|-------------------|-------------------------|
| NET/GATE | 20 (Gen-16, SC-3, ST-1) | 22 (Gen-16, SC-6) | 21 (Gen-18, SC-3) | 15 (Gen-11, SC-3, ST-1) |

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 100% |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 55 % |
| Ph.D. to Post-Doctoral | 9% |
| Employed | |
| • Campus selection | 15% |
| • Other than campus recruitment | 25% |
| Entrepreneurs | Nil |

36. Diversity of staff:

| | |
|---|-----|
| Percentage of faculty who are graduates : 95% | |
| of the same university | 25% |
| from other universities within the State | 65% |
| from universities from other States | 10% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt | One |

38. Present details of departmental infrastructural facilities with regard to

- Library:** One seminar library in the department. One in Siksha-Bhabana and Central library
- Internet facilities for staff and students:** Yes
- Total number of class rooms:** four and one seminar room which has also been used as class room when required.
- Class rooms with ICT facility:** Nil
- Students' laboratories:** 3 (Three)
- Research laboratories:** 2 (Two)

39. List of doctoral, post-doctoral students and Research Associates:

- Doctoral list from the host institution/university –** Please See Annexure II

b) **From other institutions/universities** – Please See Annexure II

40. **Number of post graduate students getting financial assistance from the university:** On average two per year.

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

In our Dept. there are two programmes (UGC-SAP Phase-II and DST-FIST phase-II) are presently running. Before we applied for the above mentioned programmes to UGC and DST respectively we convened a Teachers meeting and we decide through arguments what should be our thrust areas of research and what instrumental facilities we should ask for. We then form a small committee comprising some senior as well as junior faculty members to formulate a good project. We then circulate the project to all faculty members through e-mail and seek advice for improvements. In a final meeting we finalize both the project proposal and instruments we required. We also form a committee to monitor the smooth running of the projects.

42. **Does the department obtain feedback from**

a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** The department certainly obtains feedback from its faculty members on course curriculum and teaching-learning-evaluation. Normally we modify our syllabus on a gap of 4-5 years. During this modification the department includes all the good suggestions of the faculty members regarding inclusion of some new and emergent topics in the syllabus or exclusion of some topics. Following the suggestion of few faculty members we have arranged LCD projection in few classrooms for teaching some topics such as supramolecular chemistry.

b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** There is no formal way of getting feedback from students on faculties but of course there is informal discussion with the students on the syllabus and the department respects the suggestion of the students in formulating the syllabus.

c) **alumni and employers on the programmes offered and how does the department utilize the feedback:** The UGC, through its UGC-SAP programmes offer some suggestions such as implementation of project works of college students of surrounding area. We have fully implemented this in our department.

43. **List the distinguished alumni of the department (maximum 10):**

a) **Dr. Madhu S. Mondal**

Scientist, Early Toxicology Laboratory, Novartis Institute of Biomedical Research, Cambridge, USA

b) Prof. Barsanjit Majumdar

Department of Biological and Environmental Sciences,
Cleveland State University, 2399 Euclid Avenue, SR 261, Cleveland OH 44115-2214. E-mail: b.mazumder@csuphio.edu

c) Prof. Arindam Banerjee

Department of Biological Chemistry, IACS, Jadavpur, Kolkata- 700032
E-mail : bcab@iacs.res.in

d) Dr. Surajit Sinha

Associate Professor, Department of Organic Chemistry, IACS, Jadavpur,
Kolkata 700 032, India
E-mail: ocss5@iacs.res.in

e) Dr. Goutam De

Chief Scientist & Head , Nano-structured Materials Division , CGCRI, Jadavpur,
Kolkata – 700032
E-mail: gde@cgcri.res.in

f) Dr. Pratik Sen

Assistant Professor, Department of Chemistry , IIT Kanpur, Uttar Pradesh - 208 016. E-mail: psen@iitk.ac.in

g) Prof. Tarasankar Pal

Department of Chemistry, IIT Kharagpur 721302.
E-mail: tpal@chem.iitkgp.ernet.in

h) Prof. P. V. Bharatam, M.Sc., Ph.D.

Dept. of Medicinal Chemistry, NIPER Mohali, Chandigarh
E-mail : pvbharatam@niper.ac.in

i) Dr. Hiren Ghosh, F. A. Sc.

BARC, Mumbai

j) Prof. Samudranil Pal

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India
E-mail : spal@uohyd.ac.in

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**Special Lectures:**

- Each year one day programme organized in association with Royal Society of Chemistry (Easter India Section).
- Organized seminar lectures on contemporary topics by distinguished Scientists from different parts of our country and abroad also.
- Organized three days workshop in association with Indian Academy of Sciences, Bangalore.

45. List the teaching methods adopted by the faculty for different programmes:

UG & PG- Primarily we preferred usual chalk-board method. But there are many topics we introduced through slide show.

Ph. D. Course Works- Primarily through slide show presentation.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

For teaching programme we ensured it through the success of our students in National level test such as NET and also success of our students in getting chance for doing Ph. D. abroad.

For research programme we ensured it through the standard of our publication in reputed national and international journals.

If in any year the success of our students in NET examinations is not up to our expectations we the faculty members discussed with the students about the problem they faced and we tried to overcome all those problems.

47. Highlight the participation of students and faculty in extension activities:

Our university is situated in a rural area. Residents of local villages are mostly low income group and mostly illiterate. People are not aware of safe handling of our environment. They often suffer from malnutrition and diseases. The main source of income of these people is agriculture and very small and unorganized cottage industries based on manufacturing handicrafts e.g. doing batik on fabric and leather following traditional Santiniketan style which has huge market possibility (nationally or internationally). Due to lack of knowledge, these workers are using low cost toxic chemicals as dyes and other processing materials which have harmful effect on their health as well as on environment at long run. On this back ground the extension activities of the Chemistry Department are:

- a) Organization of seminar for generating awareness about safe and responsible use of chemical in day to day life, small scale handicraft business and agriculture.
- b) Initiate a programme to prepare a data base for locally available traditionally used plants and their phytochemical profiles. These data are helpful in (a) searching of low cost source of natural antioxidants which will fight against their malnutrition and (b) identifying naturally occurring nontoxic plants based pigments, which can be replaced synthetic dyes and (c) educating the people about locally available biopesticides.
- c) NSS, School level seminar

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Student's seminar and group discussion on some advanced topics of chemistry have been introduced. Students are encouraged to make power point presentation

to discuss their topics.

- b) Resourceful person and ex-students (distinguished alumni of the department) are invited to interact with the present student and faculties for well directed motivations.
- c) Display of wall magazine at regular interval is a well known practice of our department.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a) A useful technique to prevent catalyst leaching has developed. Preparation of “cost effective” “reusable” ionic liquid tagged catalyst has also been achieved to meet the demand of “reusability” of this type of catalysts.
- b) We have developed a completely new catalytic system consists of L-Cysteine and an acid additive and tested its excellent efficacy in the direct asymmetric aldol reaction in water.
- c) Green, straightforward and novel methodologies on some significant organic transformations have been developed during this period, such as a very simple and highly efficient procedure for N-formylation of primary and secondary amines at room temperature under solvent-free condition.
- d) We have demonstrated for the first time the efficiency of Murrayanine, a naturally occurring carbazole alkaloid isolated from Indian Curry Leaf plant as a fluorescent probe and it was found to be nearly as good as those of well-known probes like ANS and coumarin 153.
- e) We have also developed an easy and simplified method for the assessment of antioxidant activity of extracts of biogenic materials (both plant and animal derived) based on their individual Au nanoparticles formation potentials.
- f) A new method of finding the lowest energy structures of nanoparticles has been developed combining the density functional theory and genetic algorithm. We have also explored the possibility of using CdTe nanowire functionalized by small organic molecules for solar cell application.
- g) Role of Impurity Strength and Impurity Domain on Excitation of Doped Quantum Dot Induced by Discontinuously Reversing Pulsed Field have been explored.
- h) A series of complexes have been synthesized by reactions of a family of tetradentate pyridyl/ imine ligands with NiII ion in the presence of various pseudohalides (N₃⁻, SCN⁻, and NCO⁻) and characterized by X-ray crystallography. The study of bulk magnetization of the complexes bridged by EO pseudohalide reveals that these ligands to mediate ferromagnetic coupling between

the NiII ions. The striking difference in the coupling intensity between N3– and NCO– has prompted an investigation by means of density functional theory calculations, which has confirmed the experimental results and provided insight into the reasons for this observation.

- i) Expansion of ferromagnetism in perovskite $\text{EuBaCo}_2\text{O}_{5.50}$.
- j) Protein folding kinetics: The theoretical simulation based on the techniques of non-equilibrium statistical mechanics show that mean folding time first increases with driving frequency and then decreases passing through a maximum until the off resonance starts to work.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Highly qualified and devoted young faculties (average age ~35-40).
- ii) Extensive teaching (UG, PG, Ph. D, Integrated Science).
- iii) Extensive research
- iv) Good student placement.
- v) Healthy teachers- students' relationship.

b) Weaknesses:

- i) Insufficient student classrooms, laboratories and teacher's sitting room.
- ii) Only one wet laboratory for research.
- iii) No technical staff for instruments.
- iv) Lack of modern teaching aids.
- v) lack of annual maintenance for instruments.

c) Opportunities:

- i) Coaching for NET, GATE.
- ii) External access of departmental research facilities.
- iii) Collaborative research work with other institute and Industries.
- iv) Advanced level teaching.
- v) Arrangement of special classes by renowned resource person.

d) Challenges :

- i) Enhancement of number of students from other states.
- ii) Development of the 'state-of-the-art' research centre.
- iii) Arrangement of more remedial classes for backward students.
- iv) Arrangement of extensive campus interview.
- v) Adoption of modern teaching aid.

52. Future plans of the department:

On the basis of our previous research work during UGC-SAP (DRS-I), we have

identified the following thrust area for our future research: “Design, Synthesis, Characterization and Understanding the Structure and Behavior of Functional Materials for their Potential Technological Application” The aim of this thrust area is to build an understanding of the chemistry of functional materials both experimentally, conceptually and theoretically and to utilize this understanding to control the assembly, structure and function of these materials which have long term potentials in energy, biomedical and other technologies.

The specific objectives under this thrust are the followings:

- a) Exploring and understanding the size, shape and composition dependent electronic structure of functional nanomaterials.
- b) Theoretical understanding of the interfacial electron transfer processes in Quantum Dot sensitized Solar cells by ab initio time-domain atomistic simulation method.
- c) Theoretical studies on excitation profiles and transport properties of doped quantum dot systems for understanding of dynamical aspects of quantum dot nanodevices.
- d) Computational studies on the effect of solvents and catalysts on the stereo- and regio- specificity of 1,3-H shift reactions relevant to the synthesis of bio-active organic compounds.
- e) Eco-friendly and economic synthesis, and characterization of energy relevant nanomaterials e.g. semiconductor and magnetic nanomaterials with an emphasis on their controllable structures and tailored reactivity.
- f) Development of biogenic/green routes for the synthesis of bio-compatible polymeric
- g) Nanocomposites and metal nanoparticles for their bio-medical applications.
- h) Exploration and exploitation of novel and green nano-catalyst for the synthesis of biologically relevant molecules.
- i) Development of facile synthetic routes for versatile organometallic supramolecular architectures and inorganic co-crystals followed by their characterization.
- j) Synthesis and studies on the properties of transition metal oxides with triangular arrangement of oxygen framework (triangular and Kagome Lattices) exhibiting magnetic frustration.
- k) Development of bio-friendly solid phase extractors for metal ion separation.
- l) Eco-friendly synthesis of biocompatible, thermo-sensitive and conducting polymer and polymer/silica nanoparticle composite.
- m) Studies on the kinetics of metal nanoparticle catalyzed reductions of biologically relevant transition metal complexes to explore mechanistic pathways of some important biological redox processes.

Evaluative Report of the Department of Environmental Studies

1. **Name of the Department :** Environmental Studies
2. **Year of establishment :** 1998
3. **Is the Department part of a School/Faculty of the university?** Yes, Institute of Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** Undergraduate (Compulsory course for B.Sc./B.A/B.Fine/B.Mus/B.Des etc. of the university), PG (M.Sc. in Environmental Science), Ph.D. (Environmental Sciences).
5. **Interdisciplinary programmes and departments involved:**
 The students of various departments under different Bhavanas of Visva-Bharati which are involved in the Compulsory course of Environmental Studies have to undertake a project which is related to their respective subject with environment.
 Besides the department is also involved in research with collaboration with other institutes like Central Institute of Mining and Fuel Research (CIMFR), Dhanbad; Ravenshaw University, Cuttack; Institute of Agriculture and Department of Zoology, Visva-Bharati, etc.
 We are collaborating with University of Leeds, University of Nottingham, and University of Exeter, UK and also with IIT – Chennai, and IIT Bombay for generation of electricity by integrating Concentrated Photovoltaic and Biogas produced by anaerobic digestion of biomass for the electricity to the rural tribal community of Kaligunj in Santiniketan.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** N/A
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester, Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Yes. PG students participate in CBCS offered by Department of Statistics; Ph.D students

participate in the course offered by the Department of Computers.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 1 |
| Associate Professors | 1 | 0 | 1 |
| Asst. Professors | 4 | 4 | 3 |
| Others | - | - | - |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) **Name** : Prof. S. Chaudhury
Qualification : Ph.D
Designation : Professor
Specialization : Bioremediation, Biomass and energy, Environmental Toxicology
No. of Years of Experience : 24 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) **Name** : Dr. Pratap K. Padhy
Qualification : Ph.D.
Designation : Associate Professor
Specialization : Air pollution & Plants, Environmental Pollution and health
No. of Years of Experience : 14 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) **Name** : Dr. Pulak K. Patra
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Environmental Geology
No. of Years of Experience : 12 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 2+1 (submitted)
- d) **Name** : Dr. S. Balachandran
Qualification : Ph.D.

- Designation** : Assistant Professor
Specialization : Ethnobotany / Medicinal plants & Phytochemistry/ Environmental microbiology, Biomass and energy
No. of Years of Experience : 9 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 01 (submitted)
- e) **Name** : Dr. Shweta Yadav
Qualification : Ph.D.
Designation : Assistant Professor
Specialization : Atmospheric Chemistry
No. of Years of Experience : 6 months
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** 3 faculty members from other departments of Visva-Bharati take few classes in M.Sc. Env. Sc.
13. **Percentage of classes taken by temporary faculty — programme-wise :** N.A.
14. **Programme-wise Student Teacher Ratio :**
a) UG – 200:1
b) PG – 9:1
c) Ph.D Course Work 2013 – 4:1
15. **Number of academic support staff (technical) and administrative sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | - | - | - |
| Administrative Staff | - | 0 | 1 |
| Others | - | - | - |

16. **Research thrust areas as recognized by major funding agencies:**

| Name of the Investigator | Title of the project & duration | Thrust Area | Funding agency |
|--------------------------|---|------------------------------|-----------------|
| Prof. S. Chaudhury | Wetlands and Ponds of Santiniketan: Impacts of pollution on water quality and | Biodiversity & Water Quality | UGC (2007-2010) |

| Name of the Investigator | Title of the project & duration | Thrust Area | Funding agency |
|--|--|----------------------|---|
| | Biodiversity, 3 years | | |
| Dr. Pratap K. Padhy | Assessment of volatile organic compounds (VOCs) exposures during biomass combustion in rural homes and its impact on respiratory health, 3 years | Air Pollution Health | UGC (2010-2013) |
| Dr. S. Balachandran | A comparative ethnobotanical investigation: The Santal tribes of major populated districts in West Bengal, India, 3 years | Ethnobotany | UGC (2010-2013) |
| Prof. S. Chaudhury | A comparative study of biotransformation mechanisms of earthworm <i>Lampito mauritii</i> and <i>Eisenia fetida</i> exposed to soil of industrial origin. | Bioremediation | UGC (2011-2014) |
| Prof. Shibani Chaudhury (PI), and Dr. S. Balachandran (Co-PI) Prof. A. Hazra (Co-PI) (from REC, Visva-Bharati) Other Co-PI are from IITB and IITM | Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge: BioCPV. | Renewable energy | Indo-UK Collaborative Research Initiative on <i>Bridging the Urban and the Rural Divide (BURD)</i> . Sponsoring agency: DST (2012-2015) |
| Dr Pulak Kumar Patra | Hydrogeochemical and Stable isotope investigations on the fluoride enrichment processes of groundwater in parts of Birbhum district, West Bengal, India, 3 years | Geochemistry | UGC (2013-2016) |

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and

grants received project-wise:**National funding and Grants received**

| Name of the Investigator | Title of the project & duration | Amount sanctioned (in Rs.) | Funding agency |
|--|--|-----------------------------------|---|
| Prof. Shibani Chaudhury | A comparative study of biotransformation mechanisms of earthworm <i>Lampito mauritii</i> and <i>Eisenia fetida</i> exposed to soil of industrial origin. | 8,70,800.00 | UGC (2011-2014) |
| Prof. Shibani Chaudhury (PI), and Dr. S. Balachandran (Co-PI) Prof. A. Hazra (Co-PI) (from REC, Visva-Bharati) Other Co-PI are from IITB and IITM | Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge: BioCPV. | 22670325.00 | Indo-UK Collaborative Research Initiative on <i>Bridging the Urban and the Rural Divide (BURD)</i> . Sponsoring agency: DST (2012-2015) |
| Dr Pulak Kumar Patra | Hydrogeochemical and Stable isotope investigations on the fluoride enrichment processes of groundwater in parts of Birbhum district, West Bengal, India, 3 years | 2,29,000.00 | UGC (2013-2016) |
| Total | | 2,37,70,125.00 | |

18. Inter-institutional collaborative projects and associated grants

| Title of the project & duration | Amount sanctioned (in Rs.) | Funding agency | National Collaborators | International Collaborators |
|--|-----------------------------------|-----------------------|-------------------------------|------------------------------------|
|--|-----------------------------------|-----------------------|-------------------------------|------------------------------------|

| | | | | |
|---|-------------|---------------------|---------------------------|--|
| Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge: BioCPV. | 22670325.00 | DST, Govt. of India | IIT Mumbai and IIT Madras | University of Exeter, UK, University of Nottingham, U.K., University of Leeds, U.K.. |
|---|-------------|---------------------|---------------------------|--|

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** Proposal presented to FIST-DST (2013)
20. **Research facility / centre with**
 - a) **state recognition :** Nil
 - b) **national recognition:** Nil
 - c) **international recognition:** Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Nil
22. **Publications:** (last 2 years) 2009-13
 - a) **No. of papers published in peer reviewed journals (national/international):** – 23
 - i) Prof. Shibani Chaudhury - 8
 - ii) Dr. P.K. Padhy - 17
 - iii) Dr. P.K. Patra - 9
 - iv) Dr. S. Balachandran - 3
 - b) **Monographs:** – Nil
 - c) **Chapters in Books:** –
 - i) Prof. Shibani Chaudhury - 2
 - ii) Dr. P.K. Padhy - 1
 - iii) Dr. P.K. Patra - 1
 - iv) Dr. S. Balachandran - 0
 - d) **Edited Book:** – None
 - e) **Books with ISBN with details of publishers: 01**
Pulak Kr. Patra, “A Textbook on Climatology”, Kalyani Publishers- ISBN-978-93-272-2601-0
 - f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):**

| | Scopus | Web of Science |
|-------------------------|--------|----------------|
| Prof. Shibani Chauhdury | 2 | 3 |
| Dr. P.K. Padhy | 1 | 7 |
| Dr. P.K. Patra | 0 | 4 |
| Dr. S. Balachandran | 0 | 0 |

g) **Citation Index — range / average:**

| Name | Average | Range |
|-------------------------|---------|-------|
| Prof. Shibani Chauhdury | 1.75 | 0-7 |
| Dr. P.K. Padhy | 1.65 | 0-11 |
| Dr. P.K. Patra | 0.77 | 0-3 |
| Dr. S. Balachandran | 0.66 | 0-2 |

h) **SNIP:** N/Ai) **SIR:** N/Aj) **Impact Factor — range / average:**

| Name | Average | Range |
|-------------------------|---------|---------|
| Prof. Shibani Chauhdury | 0.849 | 0-3.634 |
| Dr. P.K. Padhy | 2.017 | 0-3.258 |
| Dr. P.K. Patra | 0.46 | 0-1.025 |
| Dr. S. Balachandran | 0 | 0 |

k) **h-index:** N/A

23. **Details of patents and income generated:** Presently we are working with the rural people for environmental awareness and we are planning future to generate income through consultancies for environmental awareness campaign.
24. **Areas of consultancy and income generated:** Presently we are working for generation of income by environmental analysis with the instruments like Gas Chromatography, CHNSO analyzer, Ion Chromatography, Anodic Stripping voltameter.
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

| Sl No. | Name of the Faculty | University | Period |
|--------|-------------------------|-----------------------------|-----------|
| 1 | Prof. Shibani Choudhury | Herriot Watt University, UK | July 2012 |
| 2 | Prof. Shibani Choudhury | University of Leeds, UK | June 2013 |
| 3 | Dr. S. Balachandran | University of Leeds, UK | June 2013 |

26. Faculty serving in**a) National committees:** Nil**b) International committees:** Nil**c) Editorial Boards:**

P.K. Patra, Associate Editor in Research Journal of Environmental and Earth Sciences, Maxwell Science Publishers

d) Any other (please specify): Nil**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

Faculties undergo Refresher / orientation programs, training programs (DST, ISRO) regularly.

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail

1. Abbhijit Chowdhury, **Shibani Chaudhury** and P.K. Partra. A study of soil pollution of coal mine area. National Seminar on Echoes of Silent Spring: Human Impact on Environment, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
2. Debopriya Bhattacharyya and **Shibani Chaudhury**. "Speciation of heavy metals in vermicomposted flyash and its effect on some plant characters" National Seminar on Echoes of Silent Spring: Human Impact on Environment, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
3. Syed Yakub Ali and **Shibani Chaudhury**. Phytoremediation of heavy metals from soil. National Seminar on Echoes of Silent Spring: Human Impact on Environment, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
4. Utpal Majee, G. N. Chattopadhyay, **Shibani Chaudhury** and B.C. Roy "Quality assessment of coal bed water for using in agriculture". National Seminar on Echoes of Silent Spring: Human Impact on Environment, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
5. A. Shome, AK Chakraborty, AK Mathew, R. Goswami, SN Banerjee, S. Balachandran, **Shibani Chaudhury**. Role of some microorganisms in biogas production and their molecular detection: A review, "National Seminar on Echoes of Silent Spring: Human Impact on Environment", Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
6. AK Chakraborty, A. Shome, AK Mathew, R. Goswami, SN Banerjee, S.

- Balachandran, **Shibani Chaudhury**. Utilisation of water hyacinth (*Eichhornia crassipes*) for biogas production: A brief review. “National Seminar on Echoes of Silent Spring: Human Impact on Environment”, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
7. SN Banerjee, S. Balachandran, **Shibani Chaudhury**. Sustainable environment for future generation: a reality or myth? “National Seminar on Echoes of Silent Spring: Human Impact on Environment”, Organized by Department of Environmental Studies, Visva-Bharati, Santiniketan on 9th March, 2013.
 8. Utpal Majee, G. N. Chattopadhyay, **Shibani Chaudhury** and B.C. Roy “Effect of coal bed water quality on soil environment” National Seminar on Ecology, Environment and Development (NASEED-2013), organized by Sambalpur University during January 25-27, 2013.
 9. **Shibani Chaudhury**, “Tagore’s views on Environment”. International Conference on Tagore and His Global Vision : Forging Bonds with the World, Organised by Department of History, Visva-Bharati, January 14-15, 2013.
 10. Utpal Majee, G. N. Chattopadhyay and **Shibani Chaudhury**. “Effects of coal bed water on some soil environment attributing properties”. Indian Science Congress, 2013, held at Calcutta University, Kolkata during 3-7th January 2013.
 11. Debopriya Bhattacharyya and Shibani Chaudhury. -“Vermicomposted fly ash treated red & lateritic soil : A study on chemical speciation of some trace elements”. Indian Science Congress, 2013, held at Calcutta University, Kolkata during 3-7th January 2013.
 12. Muthusamy Senthil Kumar, Srinivasan Balachandran, **Shibani Chaudhury** – Callus induction, biomass growth and morphology from stem explants of *Heliotropium indicum* L under the influence of plant growth regulators. Paper presented in the 100th Indian Science Congress, 3-7 January 2013, Kolkata
 13. Muthusamy Senthil Kumar, Srinivasan Balachandran, **Shibani Chaudhury**. “The Influence of Polyethylene glycol on callus culture of *Heliotropium indicum* for the assessment of total phenols and flavanoids content”. National Seminar, JN Tata Memorial Auditorium, IIS, Bangalore, Second Indian biodiversity congress 9-11 December 2012.
 14. Utpal Majee, G.N.Chattopadhyay,B.C..Roy, **Shibani Chaudhury** and Shashank Shekher. “Possibility of using some amendments in mitigating the adverse effects of coal bed water on soil environment”. International conference on nuclear energy, environmental and biological sciences. Bangkok, September 8-9, 2012.
 15. Utpal Majee, G. N. Chattopadhyay, **Shibani Chaudhury** and B.C. Roy “Quality assessment of coal bed water for use in agricultural lands”. Paper presented in

the Advances in Agricultural Research towards Food Security and Environmental Sustenance, organized by Palli Siksha Bhavana, Visva-Bharati during 1-3 September 2012.

16. Debopriya Bhattacharyya and **Shibani Chaudhury** “Vermicomposting of Fly Ash by *Eisenia foetida* and *Lampito mauritii* : Comparison of growth, biochemical parameters and metal content in Spinach” Paper presented in the Advances in Agricultural Research towards Food Security and Environmental Sustenance, organized by Palli Siksha Bhavana, Visva-Bharati during 1-3 September 2012
17. Utpal Majee, G.N. Chattopadhyay and **Shibani Chaudhury**: Possibility of mitigating adverse effects of coal bed water on soil environment for safe agriculture. National Seminar on Safe Food for All, PSB, Sriniketan, Visva-Bharati, 21- 23, February, 2012.
18. Debopriya Bhattacharyya, Sujit Mal, **Shibani Chaudhury**, G.N.Chattopadhyay Use of vermicompost in soil health management. National Seminar on Safe Food for All, PSV, Sriniketan, Visva-Bharati, 21- 23, February, 2012.
28. **Student projects:**
 - a) **Percentage of students who have done in-house projects including interdepartmental projects:** 84%
 - b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** 16% (3 out of 18 students)
29. **Awards / recognitions received at the national and international level by**
 - a) **Faculty:** Felicitation to Prof. Shibani Chaudhury by Burdwan University
 - b) **Doctoral / post doctoral fellows:** None
 - c) **Students:** Not yet
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
National Seminar on Echoes of Silent Spring on March 9, 2013.
Number of participants/paper: 41 (21 from Visva-Bharati and 20 from outside)
31. **Code of ethics for research followed by the departments:** As per University rules.
32. **Student profile programme-wise:**

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| PG 2010-2012 | 32 | 8 | 1 | 100 | 100 |
| PG 2011-2013 | | 4 | 5 | 100 | 100 |

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| PG 2012- 2014 | | 6 | 2 | - | - |
| Ph.D Course Work 2011 | | 3 | 1 | - | - |
| Ph.D Course Work 2012 | | 5 | 1 | - | - |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| PG | 0 | 94 | 6 | 0 |
| Ph.D. | 65 | 25 | 10 | 5 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET (CSIR-UGC) – 02
- SET – Nil
- Civil Service/ Defense Service – Nil
- GATE – 01
- Other Competitive Examination/Government Service – Nil

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | Not Applicable |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 33 % |
| Ph.D. to Post-Doctoral | 0 |
| Employed | |
| • Campus selection | 0 |
| • Other than campus recruitment | 30 |
| Entrepreneurs | Nil |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|---|----|
| of the same university | 20 |

| | |
|--|----|
| from other universities within the State | 0 |
| from universities from other States | 80 |
| from universities outside the country | 0 |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-----------------------|-----------------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** One.
- b) **Internet facilities for staff and students:** Yes
- c) **Total number of class rooms:** 02
- d) **Class rooms with ICT facility:** 02
- e) **Students' laboratories:** 02
- f) **Research laboratories:** 03

39. List of doctoral, post-doctoral students and Research Associates:

- a) **Doctoral list from the host institution/university – Nil**
- b) **From other institutions/universities – 03**

40. Number of post graduate students getting financial assistance from the university: 02.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes. The process involves a series of departmental meetings followed by BOS, Institute Board, Academic Council and Executive Council.

42. Does the department obtain feedback from

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Nil
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Nil
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Nil

43. List the distinguished alumni of the department (maximum 10): Our department is very new and only 8 batches have passed out moreover our students are well placed in

national and international institutes for research and teaching and also serving as scientists in public and corporate enterprises.

| Sl No. | Name | University/Institute Associated with | Position |
|--------|-----------------------|---|---|
| 1 | Sangamitra Majumdar | University of Texas | Completed her Ph.D. pursuing her Post doc |
| 2 | Parnali Choudhry | University of Saskatoon Canada | Completed her Ph.D. pursuing her Post doc |
| 3 | Bijaya Kr. Padhi | Assist. Prof. Asian Institute of Public Health, Bhuwa (Indo-US joint Collaboration Institute) | Assistant Professor |
| 4 | Susmita Bandyopadhyay | University of Texas | Completed her Ph.D. pursuing her Post doc |
| 5 | Loknath Sahu | Bhusan Steel and Power, Angul, Orissa | Env Officer |
| 6 | Prafulla Sahoo | University of Kong Kong | Pursuing his Post Doc |

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

The Department organizes seminars, special lectures, workshops involving distinguished personalities in the field of environment from different university / organizations.

45. List the teaching methods adopted by the faculty for different programmes:

a). Chalk & Talk, b). OHP, c). Power Point etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

Periodic assessment by departmental faculty meeting and BOS.

47. Highlight the participation of students and faculty in extension activities:

The M.Sc. students, research scholars and faculty members of Department of Environmental Studies (DES) are actively involved in the Environmental Awareness Campaign during annual Poush Mela.

48. Give details of “beyond syllabus scholarly activities” of the department:

The students of Environmental science also go for to the annual study tour to

different places in India. The students, teachers and staff members of the department also go for an outreach programme to different villages.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department used to undertake environmental consciousness and awareness programmes among the local inhabitants for improving the quality of life. Presently the department is working to bridge the rural and urban divide with regard to energy by providing energy to the rural people mainly in the Kaligunj Village (a tribal village) for the upliftment and socio-economic development. This is done by CPV and Biogas and its integrating, which is new innovation and to be implemented by July 2015.

The department has produced knowledge and publications in the following research fields:

- Air pollution in Rural, urban & industrial complexes and their impact on Plant and Human health.
- Phytotoxicity, Bioremediation, Vermi-composting with fly ash.
- Water Pollution and sediment contamination in River and Coastal environment.
- Foraminifera as indicator of Pollution and Paleoclimate.
- Soil Pollution in agricultural, mining & industrial areas.
- Hydro-geochemical & Stable Isotope Studies in groundwater.
- Alternative energy

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

1. Faculty with different field specialization.
2. Good instrumentation facility.
3. External funded projects.
4. Good Seminar Library facility.
5. Faculty works as a team.

b) Weaknesses:

1. Lack of room-space.
2. Shortage of teaching staff.
3. Lack of non-teaching/technical staff.

c) Opportunities:

1. Better job opportunities for students.
2. Opportunity for collaborative research.
3. Better research opportunity for students.
4. Work for nature and environment.

d) Challenges :

Research in frontier areas of environment such as climate change, global warming, disaster management etc.

52. Future plans of the department:

- a) To promote the study of environment at all levels in the form of formal and informal education through appropriate teaching programmes.
- b) To undertake research projects and in depth studies on relevant issues of the environment in a multidisciplinary manner.
- c) To create environmental consciousness and to improve the quality of life especially the rural population.
- d) To work towards the upliftment of society in every aspect of environment by conducting awareness programmes and translating global ideas into local actions.
- e) To take the people forward with the modern approach to environmental issues
- f) To promote and maintain a liaison between various disciplines of sciences related to environment and also among government and non-government institutions, academics, societies and other organizations in the field of environment.
- g) To recommend the government and its agencies regarding the environmental issues of public interest.
- h) To collaborate with international organizations in the fields of environmental studies.
- i) To conduct conferences, seminar, workshop and to arrange lectures and demonstration for various aspects of the environment.
- j) To deal with various problems relating viz. over exploitation of natural resources, disproportionate share and consumption of resources, management of the biosphere, deforestation and loss of biodiversity, population pressure, poverty to many other environmental issues and It will definitely suggest the solutions to some of these issues in the coming years.
- k) To provide the students and public a holistic view to nature and life. Beside the educational programme, the Centre will also thrive for excellence in the field of research by using recent technologies and extension work.

Evaluative Report of the Department of Mathematics

1. **Name of the Department :** Mathematics
2. **Year of establishment :** 1961
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, PG, Ph.D., D.Sc.
5. **Interdisciplinary programmes and departments involved:** Undergraduate Students participated in allied courses on Tagore Studies offered by Rabindra Bhavana; Environmental Science, Physics, Chemistry, Statistics and Computer Science offered by respective Departments; B.A. and M.A. programmes offered by Vidya-Bhavana
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Faculty members are engaged in collaboration of research works as well as Ph. D. guidance/Ph. D. course works with researchers/scientists/academicians from other Universities/Institutes, namely Jadavpur University (Kolkata), University of Calcutta (Kolkata), Burdwan University (Burdwan), Umea University (Sweden), Indian Statistical Institute (Kolkata), Indian Institute of Technology (Kharagpur) etc.
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System : Semester with choice based credit system.
9. **Participation of the department in the courses offered by other departments:** Yes. Environmental Sciences, Tagore Studies at UG level, Ph. D. course work etc.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--|-----------------------------------|
| Professor | 03 | 03 | 05 (03 Substantive, 02 CAS & MPS) |
| Associate Professors | 04 | 03 (01 Vacant/ 01 promoted to Professor) | 05 (02 Substantive, 03 CAS) |

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|------------------|------------|---|------------------------------|
| Asst. Professors | 12 | 11 (01 Vacant/01 promoted to Professor /03 promoted to Associate Professor) | 07 |
| Others | NA | NA | NA |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) **Name** : Syamal Kumar Samanta
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Functional Analysis
No. of Years of Experience : 35 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- b) **Name** : Puspajit Mandal*
Qualification : M.Sc., Ph.D.
Designation : Professor (Retired on 31 July, 2013)
Specialization : Quantum Mechanics
No. of Years of Experience : 28 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- c) **Name** : Dulal Pal
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Professor
Specialization : Fluid Mechanics, Atmospheric Science
No. of Years of Experience : 21 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- d) **Name** : Santabrata Chakravarty
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Biomathematics
No. of Years of Experience : 28 years
No. of Ph.D./M.Phil. students

- guided for the last 4 years : 02
- e) **Name** : Swapan Raha
Qualification : M.Sc., M.Tech., Ph.D.
Designation : Professor
Specialization : Advanced Computer Science and cybernetic/
 Bioinformatics
No. of Years of Experience : 25 years
No. of Ph.D./M.Phil. students
 guided for the last 4 years : 03
- f) **Name** : Prasanta Chatterjee
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Plasma Dynamics
No. of Years of Experience : 14 years
No. of Ph.D./M.Phil. students
 guided for the last 4 years : 08
- g) **Name** : Tarapada Bag
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Fuzzy Functional Analysis, Functional
 Analysis
No. of Years of Experience : 13 years
No. of Ph.D./M.Phil. students
 guided for the last 4 years : Nil
- h) **Name** : Tapas Roy Mahapatra
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Fluid Dynamics
No. of Years of Experience : 10 years
No. of Ph.D./M.Phil. students
 guided for the last 4 years : 03
- i) **Name** : Dibyendu Banerjee
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Complex Analysis
No. of Years of Experience : 10 years

- No. of Ph.D./M.Phil. students guided for the last 4 years** : 02
- j) Name** : Anjan Kumar Bhuniya
Qualification : M.A., Ph.D
Designation : Assistant Professor
Specialization : Algebra (Theory of Semigroups)
No. of Years of Experience : 10 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- k) Name** : Amar Prasad Misra
Qualification : M.Sc., Ph.D
Designation : Assistant Professor
Specialization : Plasma Physics, Magnetohydrodynamics
No. of Years of Experience : 08 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- l) Name** : Prashanta Kumar Mandal
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Biomathematics
No. of Years of Experience : 08 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- m) Name** : Subhasis Roy
Qualification : M.Sc., Ph.D.
Designation : Assistant Professor
Specialization : Real Analysis
No. of Years of Experience : 07 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- n) Name** : Madan Mohan Panja
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Dynamical System, Wavelet Numerical Analysis, Theory of Diff. Equation
No. of Years of Experience : 06 years

- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- o) **Name** : Kalyan Hansda
Qualification : M.Sc.
Designation : Assistant Professor
Specialization : Algebra
No. of Years of Experience : 04 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- p) **Name** : Lakshmi Narayan Guin
Qualification : M.Sc.
Designation : Assistant Professor
Specialization : Biomathematics
No. of Years of Experience : 03 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- q) **Name** : Nikhil Pal
Qualification : M.Sc., M. Tech.
Designation : Assistant Professor
Specialization : Computer Science
No. of Years of Experience : 1 year
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- r) **Name** : Mizanur Rahaman
Qualification : M.Sc.
Designation : Assistant Professor
Specialization : Functional Analysis
No. of Years of Experience : 1 year
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
1. Prof. K. B. Sinha, JNCASR, Bangalore
 2. Prof. Sankar Kumar Pal, ISI, Kolkata
 3. Prof. R. Sahadevan, Ramanujan Institute of Advanced Study in Mathematics, University of Madras, Chennai
 4. Prof. G Rangarajan, IISc, Bangalore

5. Prof. M. K. Chakravorty, University of Calcutta, Kolkata
6. Prof. Riddhi Shah, JNU, New Delhi
7. Prof. B. S. Choudhury, BESU, Shibpur, Howrah
8. Prof. K. C. Chattopadhyay, Burdwan University, Burdwan
9. Prof. D. K. Ganguly, University of Calcutta, Kolkata
10. Prof. Birendra Nath Mandal, ISI, Kolkata

13. **Percentage of classes taken by temporary faculty — programme-wise :** None
14. **Programme-wise Student Teacher Ratio :** 240:19 (UG & PG).
15. **Number of academic support staff (technical) and administrative sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|-----------|--------|
| Academic Support Staff (Technical) | - | Nil | Nil |
| Administrative Staff | - | 01 | 01 |
| Others | - | 01 (Peon) | 01 |

16. **Research thrust areas as recognized by major funding agencies:**
Thrust areas recognized by SAP-DRS (UGC) are: *Nonlinear systems with thrust on Fluid Mechanics supported by Quantum Mechanics and Fuzzy Mathematics, which include the following areas:*
(i) Real Analysis, (ii) Complex Analysis, (iii) Functional Analysis, (iv) Fuzzy Topology, (v) Fuzzy Functional Analysis, (vi) Abstract Algebra, (vi) Fluid Mechanics, (viii) Computational Fluid Dynamics, (ix) Atmospheric Sciences, (x) Biomechanics, (xi) Plasma Physics, Nonlinear Dynamics (xii) Symmetry and Painleve Analysis of differential equations, (xii) Artificial Intelligence, (xiv) Quantum Scattering Theory, (xv) Wavelet based Numerical Analysis.
17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**
 - a) **national:** DST sponsored project titled “Nonlinear structures in quantum plasmas” (since 2012)
UGC sponsored major research project titled ‘Role of similarity in approximate reasoning’ (during May 2009 - July 2012)
 - b) **international funding agencies:** None
 - c) **Total grants received:** Rs. 13,08,000.00
18. **Inter-institutional collaborative projects and associated grants**

- a) **National collaboration:** None
- b) **International collaboration:** None
- 19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:** UGC-SAP DRS Programme - An amount of Rs. 35,42,533/- released till commencement of the Phase-II (2009-2014) programme during the financial years 2009-2013
- 20. **Research facility / centre with**
 - a) **state recognition :** Nil
 - b) **national recognition:** UGC-SAP
 - c) **international recognition:** Nil
- 21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Computer laboratory sponsored by DST under the FIST programme.
- 22. **Publications:** (2009 to till date)
 - a) **No. of papers published in peer reviewed journals (national/international):** –
 - Prof. Syamal Kumar Samanta : 12
 - Prof. Puspajit Mandal : 03
 - Prof. Dulal Pal : 54
 - Prof. Santabrata Chakravarty : 16
 - Prof. Swapan Raha : 04
 - Prof. Prasanta Chatterjee : 51
 - Dr. Tarapada Bag : 18
 - Dr. Tapas Roy Mahapatra : 27
 - Dr. Dibyendu Banerjee : 17
 - Dr. Anjan Kumar Bhuniya : 05
 - Dr. Amar Prasad Misra : 35
 - Dr. Prashanta Kumar Mandal : 23
 - Dr. Subhasis Roy : 11
 - Dr. Madan Mohan Panja : 06
 - Mr. Kalyan Hansda : 01
 - Mr. Lakshmi Narayan Guin : 01
 - b) **Monographs:** –
 - c) **Chapters in Books:** –
 - d) **Edited Book:**
 - e) **Books with ISBN with details of publishers:**
Prof. Prasanta Chatterjee (2009 to till date)

- i) Nonlinear structures in dusty plasma, K. Roy and P. Chatterjee, ISSN: 978-3-659-30026-4;
- ii) Uchchotaro Ganit Samagro (Vol. 1&II), B. Sen and P. Chatterjee, ISBN: 81-7381-509-7;
- iii) A text book of higher mathematics, (Vol. 1&II), B. Sen and P. Chatterjee, ISBN: 978-81-7381-616-1.

Prof. Swapan Raha –

- i) Banibrata Mondal and **Swapan Raha**, ‘Approximate reasoning in fuzzy resolution’, Proceedings of the Annual Meeting of the North American Fuzzy Information Processing Society, NAFIPS 2012, August 06-09, 2012, Berkeley, USA, pp.1-6; ISBN 978-1-4673-2336-9; Doi: 10.1109/NAFIPS.2012.6291062.

c) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

Prof. Syamal Kumar Samanta : 06

Prof. Puspajit Mandal : 03

Prof. Dulal Pal : 37

Prof. Santabrata Chakravarty : 15

Prof. Swapan Raha : 01

Prof. Prasanta Chatterjee : 51

Dr. Tarapada Bag : 02

Dr. Tapas Roy Mahapatra : 18

Dr. Dibyendu Banerjee : 01

Dr. Anjan Kumar Bhuniya : 03

Dr. Amar Prasad Misra : 21

Dr. Prashanta Kumar Mandal : 19

Dr. Madan Mohan Panja : 03

Mr. Lakshmi Narayan Guin : 01

d) Citation Index — range / average:

Prof. Syamal Kumar Samanta

- Sum of the times cited: 69
- Sum of Times Cited without self-citations: 67
- Citing Articles: 66
- Citing Articles without self-citations: 64
- Average Citations per Item: 11.50

Prof. Puspajit Mandal : 03

- Sum of the times cited: 26
- Sum of Times Cited without self-citations: 25
- Citing Articles: 24
- Citing Articles without self-citations: 23
- Average Citations per Item: 8.67

Prof. Dulal Pal

- Sum of the times cited: 236
- Sum of Times Cited without self-citations: 178
- Citing Articles: 167
- Citing Articles without self-citations: 144
- Average Citations per Item: 6.38

Prof. Santabrata Chakravarty :

- Sum of the times cited: 40
- Sum of Times Cited without self-citations: 35
- Citing Articles: 37
- Citing Articles without self-citations: 33
- Average Citations per Item: 2.67

Prof. Swapan Raha :

- Sum of the times cited: 2
- Sum of Times Cited without self-citations: 2
- Citing Articles: 2
- Citing Articles without self-citations: 2
- Average Citations per Item: 2

Prof. Prasanta Chatterjee :

- Sum of the times cited: 267
- Sum of Times Cited without self-citations: 168
- Citing Articles: 151
- Citing Articles without self-citations: 116
- Average Citations per Item: 5.24

Dr. Tarapada Bag :

- Sum of the times cited: 0
- Sum of Times Cited without self-citations: 0
- Citing Articles: 0
- Citing Articles without self-citations: 0
- Average Citations per Item: 0

Dr. Tapas Roy Mahapatra :

- Sum of the times cited: 50

- Sum of Times Cited without self-citations: 44
- Citing Articles: 46
- Citing Articles without self-citations: 41
- Average Citations per Item: 2.78

Dr. Dibyendu Banerjee :

- Sum of the times cited:01
- Sum of Times Cited without self-citations: 01
- Citing Articles: 01
- Citing Articles without self-citations:01
- Average Citations per Item:01

Dr. Anjan Kumar Bhuniya :

- Sum of the times cited: 01
- Sum of Times Cited without self-citations: 01
- Citing Articles: 01
- Citing Articles without self-citations: 01
- Average Citations per Item: 0.33

Dr. Amar Prasad Misra :

- Sum of the times cited: 118
- Sum of Times Cited without self-citations: 102
- Citing Articles: 96
- Citing Articles without self-citations: 87
- Average Citations per Item: 5.62

Dr. Prashanta Kumar Mandal :

- Sum of the times cited: 46
- Sum of Times Cited without self-citations: 40
- Citing Articles: 43
- Citing Articles without self-citations: 38
- Average Citations per Item: 2.42

Dr. Madan Mohan Panja :

- Sum of the times cited: 03
- Sum of Times Cited without self-citations: 02
- Citing Articles: 03
- Citing Articles without self-citations: 02
- Average Citations per Item: 01

Mr. Lakshmi Narayan Guin :

- Sum of the times cited: 01
- Sum of Times Cited without self-citations: 01

- Citing Articles: 01
- Citing Articles without self-citations: 01
- Average Citations per Item: 01

e) **SNIP: NA**

f) **SIR: NA**

g) **Impact Factor — range / average:**

Prof. Syamal Kumar Samanta : 0 – 3
 Prof. Puspajit Mandal : 0 – 2
 Prof. Dulal Pal : 0 – 3.8071
 Prof. Santabrata Chakravarty : 0 – 2.5
 Prof. Swapan Raha : 0.451-4.26
 Prof. Prasanta Chatterjee : 0 to 2.5
 Dr. Tarapada Bag : 0-2
 Dr. Tapas Roy Mahapatra : 0.5-2.5
 Dr. Dibyendu Banerjee : 0.5-2.0
 Dr. Anjan Kumar Bhuniya : 0.5-2
 Dr. Amar Prasad Misra : 0.579-7.37.
 Dr. Prashanta Kumar Mandal : 0.6-2.6
 Dr. Subhasis Roy : 0-1
 Dr. Madan Mohan Panja : 01-02
 Mr. Lakshmi Narayan Guin : 0.5-2

h) **h-index:**

Prof. Syamal Kumar Samanta : 2
 Prof. Puspajit Mandal : 03
 Prof. Dulal Pal : 10
 Prof. Santabrata Chakravarty : 4
 Prof. Swapan Raha : 01
 Prof. Prasanta Chatterjee : 10
 Dr. Tapas Roy Mahapatra : 04
 Dr. Dibyendu Banerjee : 01
 Dr. Anjan Kumar Bhuniya : 01
 Dr. Amar Prasad Misra : 07
 Dr. Prashanta Kumar Mandal : 04
 Dr. Madan Mohan Panja : 01
 Mr. Lakshmi Narayan Guin : 01

23. Details of patents and income generated: Nothing in particular to mention

24. **Areas of consultancy and income generated:** Nothing in particular to mention
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- i) Prof. Prasanta Chatterjee: visited (i) Plasma Research Laboratory, Department of Physics, University of Malaya, Malaysia during 2009-2010 (ii) Department of Physics, POSTECH, South Korea in 2008.
 - ii) Dr. Prashanta Kumar Mandal: visited (i) as a Teaching Fellow, Newton Institute, University of Cambridge during July 2009 (ii) as a visiting Associate Professor, Department of Mathematics, University Technology Malaysia during April, 2008.
 - iii) Dr. Amar Prasad Misra: (a) Visited Department of Physics, Umea University, Umea, Sweden, as a postdoctoral fellow during 01 October, 2009 to 30 September, 2011. (b) Visited Institute for Theoretical Physics IV, Ruhr-University Bochum, Germany during May-June, 2010.
26. **Faculty serving in a) National committees, b) International committees, c) Editorial Boards, d) Any other (please specify):**
- Prof. S. K. Samanta**
- i) **Member of the editorial board of**
 - The Journal of Nonlinear Science and Applications
 - J P Journal of Fixed Point Theory and applications
 - ii) **Reviewer of the following international journals:**
 - Fuzzy Sets and Systems (Elsevier)
 - Computers & Mathematics with Applications (Elsevier)
 - Information Sciences (Elsevier)
 - International Journal of computer Mathematics
 - iii) **Participation in Conference/ Seminar etc.**
 - Acted as a resource person in the 13th Refresher Course in “Mathematical Science” at the Academic Staff College, Burdwan University on 14.12.2011 and delivered lecture on “Fuzzy Metric Spaces”.
 - Participated in the Extension Programme organized jointly by the Department of Mathematics and the Centre for Mathematics Education, Visva-Bharati at three venues viz., (i) Department of Mathematics, Visva-Bharati, Santiniketan (during 15-16 Jan, 2012); (ii) Silut Basantapur High School, Dist Burdwan (during 3-4 Feb. 2012); (iii) Purusattampur High School, Dist. Bankura (during 17-18 Feb, 2012).
 - Participated, acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-

2012) held during March 24-25, 2012, at by the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

- Participated, acted as a committee member and chaired a session in the National Seminar on “Mathematics for nonlinear systems” held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as a joint convener, participated and chaired a session in the two-day national seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

Prof. Puspajit Mandal

i) Reviewer of the following Journals

- Indian J Physics, IACS, Kolkata
- Euro. Phys. J. D, EDP Sciences

ii) Participation in Conference/ Seminar etc.

- Participated, acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated, acted as a committee member and chaired a session in the National Seminar on “Mathematics for nonlinear systems” held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as a joint convener, participated and chaired a session in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

Prof. Dulal Pal

i) Reviewer of the following Journals

- Special topics and Reviews in porous media (Begell House)
- Chemical Engineering Communications (Taylor & Francis)
- Communications in Nonlinear Science and Numerical Simulations (Elsevier)
- Energy-The International Journal (Elsevier)
- International Journal of Heat and Mass Transfer (Elsevier)
- Meccanica (Springer)
- International Journal of Thermal Science (Elsevier)
- Journal of Porous Media (Begell House)

ii) Participation in Seminar/ Conference etc.

- Participated, acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Delivered an invited talk on “Computers and its Applications” in UGC sponsored “Extension Programme in Mathematics for School Students” held on 16th January 2012 at Department of Mathematics, Visva-Bharati, Santiniketan.
- Delivered an invited talk on “Computers and its Applications” in UGC sponsored “Extension Programme in Mathematics for School Students” held on 4th February 2012 at Silut Basantapur High School, P.O. Sahapur Basantapur, Dist. Burdwan, West Bengal.
- Participated, acted as a committee member and chaired a session in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member and chaired a session in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

Prof. Santabrata Chakravarty**i) Member of the following Academic Bodies**

- American Mathematical Society (AMS)
- Calcutta Mathematical Society (CMS)

ii) Reviewer of the following journals

- International Journal of Biomathematics (World Scientific Publishing Company)
- Chemical Engineering Communications (Taylor & Francis Group)
- Journal of Mechanics in Medicine and Biology (World Scientific Publishing Company)
- Applications in Applied Mathematics (A & M University, Texas, USA)

iii) Participation in Conference/ Seminar etc.

- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the National Seminar on

Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

Prof. Swapan Raha

i) Reviewer of the following journal (s)

1. IEEE Transactions on Fuzzy Systems

ii) Participation in Conference/ Seminar etc.

- Participated in the Two-day long National Seminar on **Applications of mathematics in fuzzy environment** during August 11-12, 2009, organized by the Department of Mathematics, Meenakshi College for Women (Autonomous), Kodambakkam, Chennai and delivered an invited talk titled **Fuzzy Logic, Approximate Reasoning and its application in pattern classification and fuzzy control**.
- Participated in the Third National Conference on **Uncertainty: A mathematical approach (UAMA-2009)** on February 27, 2009, organized by the Department of Mathematics, MUC Womens' College, Burdwan and delivered an invited talk titled **Approximate Reasoning**.
- Participated in the **XII Annual Conference of the Society of Statistics, Computer and Applications** during February 24-26, 2010, organized by the Department of Statistics, Visva-Bharati and delivered an invited talk titled **Possibility theory as a tool for Approximate Reasoning**.
- Delivered an invited talk on **Discrete mathematical structures** in the **Summer Camp under INSPIRE Internship Programme of DST, Government of India** at Visva-Bharati, Santiniketan during 26-30 July 2010.
- Delivered an invited talk on **Similarity Based Approximate Reasoning** at **Bhaba Atomic Research Centre, Mumbai** on October 18, 2011.
- Participated in a **National Seminar on Fuzzy Set, Rough Set and Soft Computing**, acted as the Guest-in-chief in the Inaugural Programme and delivered the Inaugural Lecture on **Fuzzy set in Approximate Reasoning** on November 11, 2011 organized by the Department of Mathematics at Tripura University.
- Participated in an **International Workshop on Fuzzy set, Rough set, Soft-Computing and its applications** organized by the National Institute of Technology, Durgapur during November 21-25, 2011, delivered an invited lecture on **Similarity in Approximate Reasoning** and Chaired a Technical

session on applications of soft computing.

- Acted as a resource person in the Refresher Course organized by the Academic Staff College at Burdwan University and delivered a series of talks on **Inexact concepts, Fuzzy sets and approximate reasoning** on December 13, 2011.
- Participated acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated in the **2nd National Conference on Mathematical Analysis and its applications (NCMAA12)** and delivered an invited talk on **‘On Similarity Relations in Approximate Reasoning’**, during April 5-6, 2012 organized by the Department of Mathematics, Tripura University, Tripura.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated in the **International Conference on Rough Sets, Fuzzy Sets and Soft Computing (ICRFSC)** and delivered an invited talk on **Role of similarity in approximate reasoning** on January 17, 2013, organized by the Department of Mathematics, Tripura University, Tripura.
- Participated and organized two special sessions **‘On Fuzzy set theory’** and **‘On Fuzzy Logic in Life Science Informatics’** at the **2013 International Conference on Fuzzy Systems (FUZZ-IEEE 2013)**, held during 07-10 July 2013 in Hotel Novotel, Hyderabad, India.

Prof. P. Chatterjee

i) Member of the following:

Life member of Asian African Association for Plasma Training

ii) Reviewer of the following journals

- Indian J Physics
- Pramana-Journal of Physics
- Europhysics Letters
- Earth Moon and Planets
- Astrophysics & Space science

- Advances in Space Research

iii) Participation in Conference/ Seminar etc.

- Participated, acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and chaired a session in the National Seminar on Mathematics & Applications, Department of Mathematics, Burdwan University, Burdwan, India (28-29 March, 2012).
- Delivered an invited lecture titled “Nonlinear structures in dusty plasmas” at NIT Durgapur in a national workshop on nonlinear dynamical Systems, 2011” during 04.07.2011 to 08.07.2011.
- Acted as a committee member and delivered lectures on “Mathematics and Physical Sciences: in search of a relationship- I & II” at Basantapur High school, Burdwan and Purusottampur High School, Bankura as a part of extension activities jointly organized by Department of Mathematics and Center for Mathematics Education during January-March 2012.
- Participated in a national (micro) seminar held at Jadavpur University in September 2011.
- Participated, acted as a committee member and chaired a session in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated and delivered an Invited talk in the National Seminar on Mathematics & Applications, Department of Mathematics, The University of Burdwan, Burdwan, India (29 March, 2012).
- Participated and delivered an Invited talk in the National Workshop on Nonlinear Waves: Theory and Simulation, Department of Mathematics, National Institute of Technology (NIT), Durgapur, India (14-18 January, 2013).
- Delivered invited talks on “Life and Works of Ramanujan” at Rampurhat College, Rampurhat High School, Baharampur Science Club and Vidyasagar University.

Dr. Prashanta Kumar Mandal

i) Member of the following:

- Editorial board member of ISRN Journal of Biomedical Engineering (Hindawi publication)
- Life Member of the Indian Society for Theoretical and Applied Mechanics (ISTAM)
- Member of American Mathematical Society

ii) Reviewer of the following journals

- Meccanica (Press: Springer)
- Chemical Engineering Communications (Press: Taylor & Francis)
- Computer Methods in Biomechanics and Biomedical Engineering (Press: Taylor & Francis)
- International Journal for Numerical Methods in Fluids (Press: John Wiley & Sons Ltd.)
- International Journal for Numerical Methods in Biomedical Engineering (Press: John Wiley & Sons Ltd.)
- International Journal of Thermal Sciences (Press: Elsevier)
- Communications in Nonlinear Science and Numerical Simulations (Press: Elsevier)
- Applied Mathematics and Computation (Press: Elsevier)
- Mathematical Reviews (Press: American Mathematical Society)

iii) Participation in Conference/ Seminar etc.

- Delivered an invited talk in the Seventeenth Mathematics Conference of Bangladesh Mathematical Society during 22-24 December 2011 at Jahangirnagar University, Dhaka, Bangladesh.
- Participated in the National Seminar on Mathematics & Applications, Department of Mathematics, Burdwan University, Burdwan, India (28-29 March, 2012).
- Participated, acted as a committee member and chaired a session in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National

Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

- Delivered an invited talk in the National Seminar on Computational Hemodynamics: Clinical and Engineering Aspects, organized by Jadavpur University, Kolkata, during August 17-18, 2012.
- Participated in the 10th Micro-seminar on Nonlinear Phenomena held on 27 July, 2012 in the Department of Mathematics, University of Burdwan, Burdwan.

Dr. Madan Mohan Panja

- i) **Resource person** in the Advanced Level Workshop on “**Nonlinear Differential Equations: Dynamics of Complex System**, under NPDE-TCA ” sponsored by DST, Govt. of India organized by Department of Applied Mathematics, University of Calcutta, during Sept. 23- Sept. 28, 2013.
- ii) **Guided project work** under INSPIRE fellowship of one undergraduate student of Jadavpur University, Kolkata.
- iii) **Participation in Conference/ Seminar etc.**
 - Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
 - Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
 - Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
 - Participated and delivered an invited talk titled “Multiresolution analysis... Sturm-Liouville Problem” in the National Seminar on advances in Mathematics & applications, held during 6-7 March, 2013 at the Department of Mathematics, University of Burdwan, Burdwan.
 - Participated and completed the 3rd Indo-German workshop on Adaptive finite element methods (WAFEM-2013) held during 22 February, 2013 to 02 March, 2013 at the Institute of Mathematics & Application, Bhubaneswar, India.

Dr. Tarapada Bag

- i) **Reviewer of the following journals**
 - Fuzzy Information and Engineering (Springer)
 - Annals of Fuzzy Mathematics and Informatics

- Mathematical Reviews (American Mathematical Society)

ii) Participation in Conference/ Seminar etc.:

- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated, acted as a committee member and chaired a session in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated and presented a paper titled “Fixed point theorems in Felbin's type fuzzy normed linear spaces” in the National Seminar on Mathematical Analysis and Applications: Present Perspectives held during 06-07 September, 2012 at Calcutta Mathematical Society, Kolkata.
- Participated and presented a paper titled “Some Results on Generalized Fuzzy Metric Spaces” held during 03-04 October, 2012 at Aliah University.
- Participated and presented a paper titled “Strictly Convex Fuzzy Normed Linear Space” in the International Seminar held during 07-09 December, 2012 at Calcutta Mathematical Society, Kolkata.
- Participated, acted as a committee member and joint convener in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as Jt. Convenor and participated in the National Seminar on Non-Linear Aspects of Analysis and Algebra. Date: March 24-25, 2012. Funding Agencies: UGC SAP (DRS)-Phase II and CSIR.
- Acted as Jt. Convener and participated in the “National Seminar on Mathematics Phobia: Its Genesis and Remedies”. Date: February 13-15, 2010. Funding Agencies: V.B. and CSIR.

Dr. Dibyendu Banerjee

ii) Reviewer of the Journal of Nonlinear Sciences and Applications (TJNSA) University of Pittsburgh at Bradford, Bradford.

iii) Participation in Conference/ Seminar etc.

- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National

Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

- Participated and presented a paper entitled “Maximum modulus and maximum term of generalized iterated entire functions” in the National Seminar on Mathematical Analysis and Application Present Perspective (NSMAAPP-2012) held during September 6 – 8, 2012 at Calcutta Mathematical Society, Kolkata.
- Participated and presented a paper entitled “Growth of Generalized iterated entire functions” in the National Seminar on Advanced in Mathematics & Applications (AMA-2013) held during March 6 – 7, 2013 at The University of Burdwan, Burdwan.
- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

Dr. Tapas Ray Mahapatra

i) Participation Conference/ Semiar etc.

- Attended National Seminar on “Recent Trends in the Mechanics of Fluids & Solids” held in the Government Degree College, Haripur (Manali), Himachal Pradesh - 175136 during March 10-11, 2012 and presented a paper entitled “Unsteady natural convection flow in an inclined enclosure”.
- Participated and presented a paper in the National Seminar on Mathematics & Applications, Department of Mathematics, Burdwan University, Burdwan, India (28-29 March, 2012).
- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as a joint convener in the extension programmes at Department of Mathematics, Visva-Bharati, Santiniketan, and Basantapur High school, Burdwan and Purusottampur High School, Bankura, jointly organized by Department of Mathematics and Center for Mathematics Education during January-March 2012.
- Acted as Teacher-in-charge of the Study Tour 2011-2012 of the Department of Mathematics, Visva-Bharati, to Mumbai, Goa and surrounding areas during 19-26 January, 2012.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the

Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Attended the National Seminar on “Mathematical and Computational Sciences” held in the Adikavi Nannaya University, Rajahmundry, Andhra Pradesh – 533 105, during July 6-7, 2012 and presented a paper entitled “Natural convection in a lid-driven square cavity filled with porous medium”.
- Attended the National Seminar on “Advances in Mathematics & Applications” held in the Department of Mathematics, The University of Burdwan, Burdwan, during March 6-7, 2013.
- Participated and presented a paper titled “Numerical study of magnetohydrodynamic laminar flow separation in a channel with smooth expansion” in the International Conference, organized by the Department of Mathematics, Vidyasagar University, Paschim Medinipur, during 20-21 March, 2013.

Dr. Anjan Kumar Bhuniya

i) Reviewer of the following journals:

- Semigroup Forum
- Soft Computing
- Filomat
- Southeast Asian Bulletin of Mathematics

ii) Participation in Conference/ Seminar etc.:

- Participated, acted as a committee member and joint convener in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

Dr. Subhasis Ray

i) Participation in Conference/ Seminar etc.

- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Attended the National Seminar on “Advances in Mathematics & Applications” held in the Department of Mathematics, The University of Burdwan, Burdwan, during March 6-7, 2013.
- Participated and presented a paper titled “Convexity condition for approximate generalized Riemann derivable functions” in the National Seminar on Mathematical Analysis and Application Present Perspective (NSMAAPP-2012) held during September 6 – 8, 2012 at Calcutta Mathematical Society, Kolkata.
- Participated and presented a paper titled “On the Borel derivatives” in the National Seminar on Advanced in Mathematics & Applications (AMA-2013) held during March 6 – 7, 2013 at The University of Burdwan, Burdwan.
- Delivered a talk ‘On the Laplace derivative’ in the National Seminar on Analysis and its applications (NSAA-2011), September 6-7, 2011, Calcutta Mathematical Society.
- Participated and presented a paper in the National Seminar on Mathematics & Applications, Department of Mathematics, Burdwan University, Burdwan, India (28-29 March, 2012).
- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

Dr. Amar Prasad Misra

i) Membership

- Life member of Plasma Science Society India (PSSI)
- Life Member of Indian Association for the Cultivation of Science (IACS), Kolkata, India.

ii) Reviewer of the following journals:

- Physics of Plasmas (American Institute of Physics)
- Physics Letters A (Elsevier Science)
- Astrophysics and Space Science (Springer)

- Journal of Plasma Physics (Oxford University Press)
- Optics & Laser Technology (Elsevier Science)
- Euro Physics Letters (EPS & IOP)
- European Physical Journal B, D & E, France
- Indian Journal of Physics (Springer)
- Zeitschrift fuer Naturforschung A, Germany
- Advances in Space Research (Elsevier Science)
- IEEE Transactions on Plasma Science
- Waves in Random and Complex Media (Taylor & Francis)

iii) Participation in Conference/ Seminar etc.

- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as a Committee member in the International Topical Conference on Plasma Science: Advanced Plasma Concepts (Sept. 24-28, 2012; Faro, Portugal).
- Participated and delivered an Invited talk in the National Workshop on Nonlinear Waves: Theory and Simulation, Department of Mathematics, National Institute of Technology, Durgapur, India (14-18 January, 2013).
- Participated and Completed the UGC supported Refresher Course in Algebra, Analysis, Discrete Mathematics & Applications held at Academic Staff College, Jadavpur University, Kolkata during 27 August, 2012 to 15 September, 2012.
- Participated and acted as a committee member in the *National Seminar on Nonlinear Aspects of Analysis and Algebra* (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Delivered an invited talk in the Departmental seminar of Department of Mathematics & Statistics, IISER Kolkata, Nadia, India (28 March, 2012).
- Participated and delivered an invited talk in the *National Seminar on Mathematics & Applications*, Department of Mathematics, The University of Burdwan, Burdwan, India (28-29 March, 2012).
- Participated and presented a poster in the *6th International Conference on the Physics of Dusty Plasmas*, Garmisch-Partenkirchen, Germany (16-20 May, 2011).
- Acted as an international committee member, participated and delivered an

invited talk in the *International Topical Conference on Plasma Science: Strongly Coupled Ultra-Cold and Quantum Plasmas*, Lisbon, Portugal (12-14 Sept., 2011).

Mr. Kalyan Hansda

i) Participation in Conference/ Seminar etc:

- Participated and presented a paper at National Seminar on Mathematics & Applications, Department of Mathematics, Burdwan University, Burdwan, India (28-29 March, 2012).
- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as Teacher Escort of the Study Tour 2011-2012 of the Department of Mathematics, Visva-Bharati, to Mumbai, Goa and surrounding areas during 19-26 January, 2012.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated and completed the UGC supported 89th orientation programme held at Burdwan University during 06 February, 2013 to 05 March, 2013.
- Participated and Completed the Refresher Course in Mathematical Science, University of Burdwan, 30 Nov-20 Dec 2011.

Mr. Lakshmi Narayan Guin

i) Participation in Conference/ Seminar etc.:

- Participated in the 13th Refresher Course in Mathematical Sciences (Period: 30.11.2011-20.12.2011), UGC academic staff college, The University of Burdwan, Burdwan-713104, West Bengal, India.
- Successfully completed the Ph. D. course work in the Department of Mathematics, Siksha Bhavana, Visva-Bharati.
- Participated in the National Seminar and presented a paper entitled “Spatiotemporal dynamics of a ratio-dependent predator-prey model” on Mathematics and Applications (NSMA-2012, Period: 28-29, 2012), organised by Department of Mathematics, The University of Burdwan, Burdwan-713104, West Bengal, India.

- Participated and acted as a committee member in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Acted as Teacher Escort of the Study Tour 2011-2012 of the Department of Mathematics, Visva-Bharati, to Mumbai, Goa and surrounding areas during 19-26 January, 2012.
- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated and Completed the UGC supported 89th orientation programme held at Burdwan University during 06 February, 2013 to 05 March, 2013.
- Participated in the National Seminar on Advances in Mathematics and Applications (AMA-2013) held during 6-7 March, 2013 at the Department of Mathematics, The University of Burdwan, Burdwan-713104, West Bengal, India, and presented a paper entitled “Spatial pattern in a diffusive predator-prey model with sigmoid ratio-dependent functional response”.

Mr. Nikhil Pal

i) Participation in Conference/ Seminar etc.:

- Participated and acted as a committee member in the National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.
- Participated in the Instructional School for Lecturers in Differential Equations and computations during June 04, 2012 to June 16, 2012.
- Participated in the National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

Mr. Mizanur Rahaman

i) Participation in Conference/ Seminar etc.:

- Participated and acted as a committee member in the National Seminar on

Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.

- Participated and acted as a committee member in the two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Faculty members have been invited regularly to act as resource persons in different Orientation programmes, Refresher Courses, Mathematics teaching and training programmes conducted by different universities/institutes

28. Student projects:

- Percentage of students who have done in-house projects including interdepartmental projects:** 100%
- Percentage of students doing projects in collaboration with other universities / industry / institute:** NA

29. Awards / recognitions received at the national and international level by

- Faculty:** None
- Doctoral / post doctoral fellows:** None
- Students (INSPIRE etc.):** Following students have qualified for INSPIRE scholarship/fellowship :

| Serial No. | Name | UG/PG/Ph. D. Student |
|------------|-----------------------|----------------------|
| 1 | Namrata Bhattacharyya | Ph. D. |
| 2 | Camellia Yasmin | PG-II |
| 3 | Shahnaz Begum | PG-II |
| 4 | Indrajit Ghosh | PG-II |
| 5 | Snigdha Choudhury | PG-II |
| 6 | Arthita Sarkar | PG-I |
| 7 | Kuntal Bhandari | B. Sc.-III |
| 8 | Sayanil Mitra | B. Sc.-II |
| 9 | Amit Sarkar | B. Sc.-II |
| 10 | Moinul Hossain | B. Sc.-II |
| 11 | Ishita Das | B. Sc.-II |
| 12 | Subhajeet Roy | B. Sc.-II |

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- a) Organized a National Seminar on Nonlinear Aspects of Analysis and Algebra (NAAA-2012) held during March 24-25, 2012, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- b) Organized jointly with the Centre for Mathematics Education an extension programme at the Department of Mathematics, Visva-Bharati, Santiniketan, Basantapur High school, Burdwan and Purusottampur High School, Bankura, during January-March 2012.
- c) Organized Study Tours in 2009-2013 of the Department of Mathematics, Visva-Bharati, to visit places including Mumbai, Goa, Shimla, Kullu-Manali and surrounding areas December- January in each calendar year.
- d) Organized a National Seminar on Mathematics for nonlinear systems held during March 17-18, 2013, at the Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India.
- e) Organized a two-day National Seminar on “Mathematics and its Applications” held on the occasion of Golden Jubilee Celebration during 30-31 March, 2013.

List of outstanding participants:

- a) Prof. K. B. Sinha, JNCASR, Bangalore
- b) Prof. Sankar Kumar Pal, ISI, Kolkata
- c) Prof. R. Sahadevan, Ramanujan Institute of Advanced Study in Mathematics, University of Madras, Chennai
- d) Prof. G Rangarajan, IISc, Bangalore
- e) Prof. M. K. Chakravorty, University of Calcutta, Kolkata
- f) Prof. Riddhi Shah, JNU, New Delhi
- g) Prof. B. S. Choudhury, BESU, Shibpur, Howrah
- h) Prof. K. C. Chattopadhyay, Burdwan University, Burdwan
- i) Prof. D. K. Ganguly, University of Calcutta, Kolkata
- j) Prof. Birendra Nath Mandal, ISI, Kolkata

31. Code of ethics for research followed by the departments: As per University rules.**32. Student profile programme-wise:**

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG (2010-2011) | | 32 | 06 | 65 | 100 |
| PG (2011-2012) | | 31 | 18 | 84 | 77 |
| Ph. D. (VB-RET-2013) | 12 | 00 | 03 | 0 | 100 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG (2010-2011) | 50 | 47 | 03 | Nil |
| PG (2011-2012) | 33 | 67 | Nil | Nil |
| Ph. D. (2013) | 100 | Nil | Nil | Nil |

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

| Serial No. | Name | UGC/ CSIR -NET/ SET/GATE (2012-2013) |
|------------|--------------------------|--------------------------------------|
| 1 | Aryaman Sensarma (Gen) | CSIR-NET JRF, GATE |
| 2 | Riddhick Birbonshi (SC) | CSIR-NET JRF, GATE |
| 3 | Sudeep Kundu (Gen) | CSIR-NET JRF, GATE |
| 4 | Manik Das (SC) | CSIR-NET JRF, GATE |
| 5 | Sudipto Ghosh (Gen) | CSIR-NET JRF |
| 6 | Benukar Mondal (Gen) | CSIR-NET JRF |
| 7 | Ranjit Mehatari (Gen) | CSIR-NET JRF |
| 8 | Tushar Kanti Das (Gen) | CSIR-NET Lectureship, GATE |
| 9 | Abhishek Banerjee (Gen) | CSIR-NET Lectureship, GATE |
| 10 | Arnab Barman (SC) | CSIR-NET Lectureship, GATE |
| 11 | Tathagata Mandal (Gen) | CSIR-NET Lectureship, GATE |
| 12 | Swaraj Paul (Gen) | CSIR-NET Lectureship, GATE |
| 13 | Debsmita Mukherjee (Gen) | GATE |
| 14 | Sandipan Dutta (Gen) | CSIR-NET-JRF |
| 15 | Manami Chatterjee (Gen) | GATE |
| 16 | Prasenjit Saha (SC) | GATE |
| 17 | Manas Kumbhakar (SC, PH) | CSIR-NET Lectureship |
| 18 | Kanika Mandal (Gen) | UGC-NET JRF |
| 19 | Sushobhan Maity (Gen) | GATE |
| 20 | Manimala Nej (Gen) | GATE |
| 21 | Priyajit Mandal (Gen) | GATE |

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 95 |
| PG to M.Phil. | NA |
| PG to Ph.D. | 10 |
| Ph.D. to Post-Doctoral | NA |
| Employed | |
| • Campus selection | (I) NA |
| • Other than campus recruitment | (II) 90 |
| Entrepreneurs | NA |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 20 |
| from other universities within the State | 80 |
| from universities from other States | Nil |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Nil |
| Ph.D. | 01 |
| D.Sc. | Nil |
| D.Litt | Nil |

38. Present details of departmental infrastructural facilities with regard to

- Library:** One Departmental Library (Books funded by NBHM, SAP, University)
- Internet facilities for staff and students:** Ethernet Broad-Band & WIFI
- Total number of class rooms:** 07.
- Class rooms with ICT facility:** Nil
- Students' laboratories:** 01 Computer Laboratory
- Research laboratories:** 01

39. List of doctoral, post-doctoral students and Research Associates:**a) Doctoral list from the host institution/university –**

Doctoral Students: Benurkar Mandal, Sabiar Rahman, Nijamuddin Ali, Ramprasad Saha, Namrata Bhattacharya, Lakshmi Narayan Guin, Kalyan Hansda, Sougata Mukherjee, Arnab Barman, Rajib Debnath, Sumanta Sidui, Nilkanta Mandal,

Biswajit Mandal, Akshay Kumar Mandal, Asim Kumar Pal, Himadrisekhhar Gupta, Gopinath Mandal, Supriyo Pal, Pankaj Kumar Mandal, Sk. Nazmul, Arunima Mazumder, Dipsekhar Haldar.

b) From other institutions/universities –

Mitrapam Chakraborty, Ramkrishna Thakur, Akash Pradip Mandal, Gobordhan Rano, Kanchan Jana, Tapas Mandal, Anupam Garai, Utpal Samanta, Deb Kumar Ghosh, Jayanta Pal, Sudin Mandal, Prakash Kumar Das, Anwesha Bhuniya Pandey.

40. Number of post graduate students getting financial assistance from the university: 20 (approx)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nothing in particular to mention

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Faculty members meet from time to time in Departmental meetings as well as Board of Studies where external members were present. Here course curriculum as well as teaching and learning evaluation are considered and/or scrutinized for possible improvement. Pre-Ph.D.

seminars are conducted in presence of external expert members where suggestions made by members are incorporated by the students. Performance of students in examinations conducted at the state and national level are also discussed.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Students' representatives are invited in every Institute Board as well as Academic Council meetings which is the highest body responsible for all academic activities of this university.

c. alumni and employers on the programmes offered and how does the department utilize the feedback: Alumni involved in academics and/or interested in academics offer their opinions on issues related to academic uplift of the Department. Their participation is also sought in different Seminars etc.

43. List the distinguished alumni of the department (maximum 10):

- i) Prof. A. Chatterjee, ISM, Dhanbad, India;
- ii) Prof. K. S. Chowdhury, Jadavpur University, Kolkata, India;
- iii) Prof. G. Banerjee, Rabindra Bharati University, Kolkata;
- iv) Prof. P. Mandal, Visva-Bharati, Birbhum, India;
- v) Prof. P. Das, Jadavpur University, Kolkata, India;
- vi) Prof. R. K. Roy, IIT Mandi, India;
- vii) Prof. S. Banerjee, Presidency University, Kolkata, India.

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:** Special lectures and seminars are organized at regular intervals by external experts
45. **List the teaching methods adopted by the faculty for different programmes:**
Power-point presentation, Student-Teacher interactive sessions, Tutorials.
46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
Students' feedback and their performance in the assessment as well as in the examinations.
47. **Highlight the participation of students and faculty in extension activities:**
Centre for Mathematics Education in collaboration with the Department of Mathematics organizes Extension programmes at different institutes in each year, and a large of students participate.
48. **Give details of “beyond syllabus scholarly activities” of the department:**
Coaching for NET/SET/GATE and Projects in various fields of research at PG level.
49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Not yet
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
Department is contributing by including recent research fields in the curriculum. It has introduced semester with choice based credit system in both the UG and PG courses. It is also updating syllabus as per UGC guidelines from time to time in generating new knowledge in both Pure and Applied Mathematics. Department also organizes Seminars, Conferences in new emerging fields of nonlinear systems in Mathematics and related disciplines in order to introduce and generate new knowledge.
51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
 - a) **Strengths :** (i) Faculties have expertise in various fields of research including pure and applied mathematics, (ii) Faculties are well-equipped in their fields of specialization as well as publication of research articles in international/national journals of repute, (iii) Considerable number of students qualify in NET/SET/GATE/NBHM in each year, (iv) Organization of national seminars/conferences each year at regular intervals helps developing knowledge of students and faculties, (v) Department has been under the support of SAP-DRS over the last ten years.

- b) **Weaknesses:** (i) Infrastructural inadequacy, (ii) Malfunction of the Departmental library in the absence of any library assistant, (iii) Very few students opt for full-time research work, (iv) No in-house placement for the students, (v) Internet facility for a limited period only on working days.
- c) **Opportunities:** (i) Consistent healthy working environment and cooperation among the faculty members, (ii) Students have the scope to work for Ph. D./D. Sc. Programmes after completion of PG course, (iii) Syllabi catering to global needs and standards are implemented and practiced, (iv) Ample scope for special lectures/ interactive sessions from distinguished experts of various fields from other universities/institutes, (v) The natural environment of Santiniketan inculcates and enthuses the young minds and disciplines them with moral virtues to become responsible citizens with compassionate hearts.
- d) **Challenges :** (i) To admit more students from other states and abroad, (ii) To make the tutorial system more effective and to improve the communicating skills of the students, especially in English, (iii) To motivate more number of students to engage in research activities, (iv) Research needs to be more productive, so that its output can largely be made useful to the community, (v) To motivate the doctoral students to opt for their postdoctoral studies as well as D. Sc. Programmes.

52. Future plans of the department:

- (i) Extension of the existing class rooms for UG, PG, Ph. D etc. courses, together with the appropriate enhancement of the faculty strength, (ii) Up-gradation of the existing laboratory and library facilities (e.g., Computer Laboratory, Departmental library) for students, research scholars as well as for faculties with round-the-clock internet facility, (iii) Explore possibility of exchange programmes/ collaborative projects with other universities/institutes in India/ foreign countries, thereby creating visiting fellowships for research scholars and visiting professorship for faculties, (iv) Establishment of a “Centre for Nonlinear Studies” with all necessary modern infrastructural facilities and equipments for high-quality collaborative research works, (v) Seminar hall needs to be developed with modern facilities to organize properly seminar/ conference/workshop etc.

Evaluative Report of the Department of Integrated Science Education and Research Centre (ISERC)

1. **Name of the Department :** Integrated Science Education and Research Centre (ISERC),
2. **Year of establishment :** 2008
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** Integrated M.Sc., Ph.D.
5. **Interdisciplinary programmes and departments involved:** Dr. Subrata Sinha, Associate Professor is running a sponsored project (DAE-BRNS), with the collaboration of Bhava Atomic Research Centre, Mumbai and Department of Chemistry, Visva-Bharati. Dr. Susanta Ghosh, Associate Professor is collaborating with Indian Association for the Cultivation of Science (IACS), Kolkata on Women Scientists Scholarship Scheme (WOS-A), DST, New Delhi. One research scholar, working under the guidance of Dr. Umesh Kumar Singh, Assistant Professor, collaborates with the Bidhan Chandra Krishi ViswaVidyalaya, Mohanpur, West Bengal
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester
9. **Participation of the department in the courses offered by other departments:** Yes. Tagore Studies (Rabindra-Bhavana), Environmental Science (Siksha Bhavana), Ph.D. course work, etc.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | --- | --- | --- |
| Associate Professors | 2 | 2 | 2 |

| | | | |
|------------------|----|----|----|
| Asst. Professors | 5 | 5 | 5 |
| Others | NA | NA | NA |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

- a) **Name** : Dr. Subrata Sinha
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Spectroscopy
No. of Years of Experience : 8.5 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- b) **Name** : Dr. Susanta Ghosh
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Physical Chemistry
No. of Years of Experience : 9.5 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) **Name** : Dr. Mahasweta Nandi
Qualification : M.Sc., Ph.D.
Designation : Assistant Professor
Specialization : Inorganic Chemistry, Material Science
No. of Years of Experience : 4.5 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- d) **Name** : Dr. Umesh Kumar Singh
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor
Specialization : Environmental Science (Hydrogeology, Water Pollution, Soil Pollution)
No. of Years of Experience : 4.5 years
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- e) **Name** : Dr. Swapan Kumar Pandit
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor

- Specialization** : Numerical Methods in PDE, Numerical Schemes for Incompressible Flows, CFD
- No. of Years of Experience** : 4.5 years
- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- f) **Name** : Dr. Nilanjan Bondyopadhyaya
- Qualification** : M.Sc., Ph.D.
- Designation** : Assistant Professor
- Specialization** : Integrable Model, Quantum Field Theory, Condensed matter Physics
- No. of Years of Experience** : 4 years
- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
- g) **Name** : Dr. Gireesh A.
- Qualification** : M.Sc., M.Phil., Ph.D
- Designation** : Assistant Professor
- Specialization** : Life Science
- No. of Years of Experience** : 9 months
- No. of Ph.D./M.Phil. students guided for the last 4 years** : Nil
12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:**
- Prof. Kali Shankar Mukherjee (Formerly Professor, Visva-Bharati)
 - Prof. Soumya Chakraborty (Formerly Professor Emeritus, Department of Physics, California State Polytechnic University)
 - Prof. Bidyendu Mohan Deb (Formerly Professor, IISER, Kolkata)
13. **Percentage of classes taken by temporary faculty — programme-wise : 50%**
14. **Programme-wise Student Teacher Ratio : 43:7 (Approx.)**
15. **Number of academic support staff (technical) and administrative sanctioned, filled and actual:**
- | | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|----------|
| Academic Support Staff (Technical) | - | - | 1 |
| Administrative Staff | - | - | - |
| Others | - | - | 1 (Peon) |
16. **Research thrust areas as recognized by major funding agencies:**
- Spectroscopy

- b) Electrochemistry
- c) Inorganic Chemistry, Material Science, Catalysis
- d) Environmental Science (Hydrogeology, Water Pollution, Soil Pollution)
- e) Numerical Methods in Partial Differential Equation (PDE), Numerical Schemes for Incompressible Flows, Computational Fluid Dynamics (CFD)
- f) Mathematical Physics, Condensed matter physics
- g) Cancer biology, Neurobiology

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise: 02

| Name | Ongoing projects | National funding agencies | International funding agencies | Total grants received |
|-----------------------|--|---------------------------|--------------------------------|-----------------------|
| Dr. Subrata Sinha | DAE-BRNS project (Sanction No: 2010/37P/12/BRNS, Dated: 08.11.2010, ongoing in the fourth financial year 2013-2014) Project title: Dye sensitized solar cell: photoinduced electron transfer in porphyrin based donor-acceptor dyads attached to nanostructured films | DAE-BRNS | | Rs. 30,50,511/- |
| Dr. Umesh Kumar Singh | UGC Major Research Project (F. No. 42-437/2013 (SR)) Project title: Water quality assessment of river Ajoy- A tributary of river Ganga. | UGC | | Rs. 12,06,800/- |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

Dr. Subrata Sinha: Dr. Sukhendu Nath, Scientific Officer (F), Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai – 400 085
DAE-BRNS Project (Sanction No: 2010/37P/12/BRNS, Dated: 08.11.2010)
Grant received so far: Rs. 30,50,511/-

b) International collaboration: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Not yet

20. **Research facility / centre with**
 - a) **state recognition :** Nil
 - b) **national recognition:** Nil
 - c) **international recognition:** Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies:** Nil
22. **Publications:**
 - a) **No. of papers published in peer reviewed journals (national/international):** – given below in individual details
 - b) **Monographs:** – do
 - c) **Chapters in Books:** – do
 - d) **Edited Book:** - do
 - e) **Books with ISBN with details of publishers:** do
 - c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** do
 - d) **Citation Index — range / average:** do
 - e) **SNIP:** do
 - f) **SIR:** do
 - g) **Impact Factor — range / average:** do
 - h) **h-index:** do

Individual details

a) **Dr. Subrata Sinha**

Number of papers : 3
published
Citation Index - range : 0-2
Impact Factor - range : 2.1-2.1
h-index : 8

List of Publications (2009-2013)

1. Fluorescence quenching of 9-cyanoanthracene in presence of zinc tetraphenylporphyrin in a polar liquid medium
Paulami Mandal, Sanat Kumar Tiwari, Tapan Ganguly and **Subrata Sinha**
J. Lumin. 129 (2009) 958-965

2. Fluorescence self-quenching of tetraphenylporphyrin in liquid medium
Mihir Ghosh, Sukhendu Nath, Alakananda Hajr and **Subrata Sinha**
J. Lumin. 141 (2013) 87-92
3. Photophysics of Soret-excited free base tetraphenylporphyrin and its zinc analog in solution
Mihir Ghosh, Aruna K. Mora, Sukhendu Nath, Asit K. Chandra, Alakananda Hajra and **Subrata Sinha**
Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 116 (2013) 466-472

b) Dr. Susanta Ghosh

Number of papers : 11
published
Citation Index - range : 0-22
Impact Factor - range : 0.628-6.585
h-index : 15

List of Publications (2009-2013)

1. Cyclic voltammetric studies with plant extracts of some traditionally used Indian medicinal plants to evaluate their antioxidant potential
G. Brahmachari, **S. Ghosh**, S. Mondal, S.K. Jash, L.C. Mandal and A. Mondal
Biochemistry – An Indian Journal 3(1) (2009) 32-35
2. Synthesis of Pt Nano Electrocatalyst For Methanol Oxidation Using Polymer Template
M. Chatterjee, **S. Ghosh**, P. Chowdhury and I. Basumallick
Elec. Chem. Soc. Transactions 19(27) (2009) 87-95
3. Electro-oxidation of ethanol and ethylene glycol on carbon supported nano Pt and Pt-Ru catalyst in acid solution
M. Chatterjee, A. Chatterjee, **S. Ghosh** and I. Basumallick
Electrochimica Acta 54 (2009) 7299-7304.
4. A new solar carbon capture process: solar thermal electrochemical photo (STEP) carbon capture
S. Licht, B. Wang, **S. Ghosh**, H. Ayub, D. Jiang and J. Ganley
J. Phys. Chem. Lett. 1 (2010) 2363 -2368
5. Efficient STEP production of hydrogen
S. Licht, O. Chitayat, H. Bergmann, A. Dick, H. Ayub and **S. Ghosh**
Int. J. Hydrogen Energy 35 (20) (2010) 10867-10882.
6. Nanoparticles Facilitated Charge Transfer and Voltage of a High Capacity VB2 Anode
S. Licht, **S. Ghosh**, B. Wang, D. Jiang, J. Asercion and H. Bergmann

- Electrochemical and Solid-State Letters* 14 (6) (2011) A83-A85
7. Super-iron nanoparticles with facile cathode charge transfer
M. Farmand, D. Jiang, B. Wang, **S. Ghosh**, D.E. Ramaker and S. Licht
Electrochemistry Communication 13 (2011) 909-912
 8. Electro-Oxidation of Ethanol and Isopropanol onto Ternary Pt-Sn-Ni Surface
A. Chatterjee, M. Chatterjee, **S. Ghosh** and I. Basumallick
Chemical Technology: An Indian Journal 6(4) (2011)
 9. Electro-oxidation of ethanol and isopropanol onto Pt-Sn and Pt-Ni surfaces
A. Chatterjee, M. Chatterjee, **S. Ghosh** and I. Basumallick
Int. Journal of current research and review 4(2) (2012) 13-20
 10. Electro-oxidation of isopropanol on to Pt loaded carbon felt surface modified by polyaniline
A. Chatterjee, M. Chatterjee, **S. Ghosh** and I. Basumallick
International Journal of Emerging Science 2(1) (2012) 123-133
 11. Electro Oxidation Study of Isopropanol In Surfactant Media
A. Chatterjee, **S. Ghosh** and I. Basumallick
Research and review in electrochemistry 4(4) (2013) 136-139

c) **Dr. Mahasweta Nandi**

Number of papers : 33
published
Chapters in Books : 1
Citation Index - range : 0-82
Impact Factor - range : 0.787-9.765
h-index : 13

List of Publications (2009-2013)

1. Adsorption over polyacrylonitrile based carbon monoliths
Mahasweta Nandi, Arghya Dutta, Astam Kumar Patra, Asim Bhaumik and Hiroshi Uyama
AIP Conference Proceeding 298 (2013) 1512
2. Peroxidative addition of cycloalkane by di-, tetra- and polynuclear copper(II) complexes
Mahasweta Nandi and Partha Roy
Indian Journal of Chemistry, Section A 52A (2013) 1263-1268
3. Synthesis of mesoporous hollow silica nanospheres using polymeric micelles as template and their application as a drug-delivery carrier
Manickam Sasidharan, Haruna Zenibana, **Mahasweta Nandi**, Asim Bhaumik and Kenichi Nakashima

- Dalton Transactions* 42 (2013) 13381-13389
4. Unprecedented CO₂ uptake over highly porous N-doped activated carbon monoliths prepared by physical activation
Mahasweta Nandi, Keisuke Okada, Arghya Dutta, Asim Bhaumik, Jun Maruyama, Didi Derks and Hiroshi Uyama
Chemical Communications 48 (2012) 10283-10285
Selected for cover page
 5. Porphyrin based porous organic polymers: novel synthetic strategy and exceptionally high CO₂ adsorption capacity
 Arindam Modak, **Mahasweta Nandi**, John Mondal and Asim Bhaumik
Chemical Communications 48 (2012) 248-250
One of the top ten most accessed articles in November, 2011
 6. Organic-inorganic hybrid porous sulfonated zinc phosphonate material: efficient catalyst for biodiesel synthesis at room temperature
 Malay Pramanik, **Mahasweta Nandi**, Hiroshi Uyama and Asim Bhaumik
Green Chemistry 14 (2012) 2273-2281
 7. Organic-inorganic hybrid tinphosphonate material with mesoscopic void spaces: an excellent catalyst for the radical polymerization of styrene
 Malay K. Pramanik, **Mahasweta Nandi**, Hiroshi Uyama and Asim Bhaumik
Catalysis Science and Technology 2 (2012) 613-620
 8. 3D-Hexagonal Mesoporous Silica and its Organic Functionalization for High CO₂ Uptake
 Arghya Dutta, **Mahasweta Nandi**, Manickam Sasidharan and Asim Bhaumik
ChemPhysChem 13 (2012) 3218-3222
 9. Titanium containing periodic mesoporous organosilica as an efficient catalyst for the epoxidation of alkenes
 Arindam Modak, **Mahasweta Nandi**, Asim Bhaumik
Catalysis Today 198 (2012) 45-51
 10. Functionalized mesoporous materials as efficient organocatalysts for the syntheses of xanthenes
 John Mondal, **Mahasweta Nandi**, Arindam Modak and Asim Bhaumik
Journal of Molecular Catalysis A 363-364 (2012) 254-264
 11. Triazine functionalized ordered mesoporous organosilica as a novel organocatalyst for the facile one-pot synthesis of 2-amino-4H-chromene under solvent-free conditions
 John Mondal, Arindam Modak, **Mahasweta Nandi**, Hiroshi Uyama and Asim Bhaumik
RSC Advances 2 (2012) 11306-11317

12. Hybrid porous tin(IV) phosphonate: an efficient catalyst for adipic acid synthesis and a very good adsorbent for CO₂ uptake
Arghya Dutta, Malay Pramanik, Astam K. Patra, **Mahasweta Nandi**, Hiroshi Uyama and Asim Bhaumik
Chemical Communications 48 (2012) 6738-6740
13. Functional mesoporous polymer monolith for application in ion-exchange and catalysis
Mahasweta Nandi, Keisuke Okada and Hiroshi Uyama
Functional Materials Letters 4 (2011) 407-410
14. Highly ordered acid functionalized SBA-15: Novel organocatalyst for preparation of Xanthenes
Mahasweta Nandi, John Mondal, Krishanu Sarkar, Yusuke Yamauchi and Asim Bhaumik
Chemical Communications 47 (2011) 6677-6679
Highlighted in SYNFACTS
15. Highly Efficient Hydroformylation of 1-Hexene over an *ortho*-Metallated Rhodium(I) Complex Anchored on a 2D-Hexagonal Mesoporous Material
Mahasweta Nandi, Paromita Mandal, Manirul Islam and Asim Bhaumik
European Journal of Inorganic Chemistry (2011) 221-227
16. Fe(III)-containing mesoporous poly-(*p*-phenylenediamine): Synthesis, Characterization and Magnetic Properties
Mahasweta Nandi, Swapan K. Das, Saurav Giri and Asim Bhaumik
Microporous and Mesoporous Materials 142 (2011) 557-563
17. Mesoporous lanthanum-manganese oxides with nanoscale periodicity, high surface area and ferromagnetic property
Mahasweta Nandi, Krishanu Sarkar, Motin Sheikh and Asim Bhaumik
Microporous and Mesoporous Materials 143 (2011) 392-397
18. Functionalized Mesoporous Silica Supported Copper(II) and Nickel(II) Catalysts for Liquid Phase Oxidation of Olefins
Mahasweta Nandi, Partha Roy, Hiroshi Uyama and Asim Bhaumik
Dalton Transactions 40 (2011) 12510-12518
19. Fabrication of mesoporous polymer monolith: a template-free approach
Keisuke Okada, **Mahasweta Nandi**, Jun Maruyama, Tatsuya Oka, Takashi Tsujimoto, Katsuyoshi Kondoh and Hiroshi Uyama
Chemical Communications 47 (2011) 7422-7424
20. Novel organic-inorganic hybrid mesoporous silica supported oxo-vanadium Schiff base for selective oxidation of alcohols.
Sanny Verma, **Mahasweta Nandi**, Arindam Modak, Suman L. Jain and Asim

Bhaumik

Advanced Synthesis and Catalysis 353 (2011) 1897-1902

Highlighted in SYNFACTS

21. From Porous Metal Phosphates to Oxophenylphosphates: A Review
Mahasweta Nandi, Asim Bhaumik and Nawal K. Mal
Recent Patents on Materials Science 3 (2010) 151-166
22. An improved high yielding immobilization of vanadium Schiff base complexes on mesoporous silica *via* azide-alkyne cycloaddition for the oxidation of sulfides
Suman L. Jain, Bharat S. Rana, Bhawan Singh, Anil K. Sinha, Asim Bhaumik, **Mahasweta Nandi** and Bir Sain
Green Chemistry 12 (2010) 374-377
23. New 3D-hexagonal mesoporous silica having high H₂ adsorption capacity
Mahasweta Nandi, Mohona Sarkar, Krishanu Sarkar and Asim Bhaumik
Journal of Physical Chemistry C 113 (2009) 6839-6844
24. Nanorods of all organic porous *m*-cresol-formaldehyde composite resin having photoluminescence at room temperature
Mahasweta Nandi and Asim Bhaumik
Materials Chemistry and Physics 114 (2009) 785-788
25. Four μ_4 -oxo-bridged copper(II) complexes: magnetic properties and catalytic applications in liquid phase partial oxidation reactions
Partha Roy, **Mahasweta Nandi**, Mario Manassero, Mauro Ricc , Marcello Mazzani, Asim Bhaumik and Pradyot Banerjee
Dalton Transactions 43 (2009) 9543-9554
26. Selective Fluorescence Zinc(II) Ion Sensing by Functionalized Mesoporous Material Covalently Grafted with Fluorescent Chromophore: Biological Application
Krishanu Sarkar, Koushik Dhara, **Mahasweta Nandi**, Partha Roy, Asim Bhaumik and Pradyot Banerjee
Advanced Functional Materials 19 (2009) 223-234
27. A new mesoporous FeBO₃ material with dominant surface magnetism
Swapna K. Das, **Mahasweta Nandi**, Saurav Giri and Asim Bhaumik
Microporous and Mesoporous Materials 117 (2009) 362-367
28. Facile Suzuki coupling over ortho-metalated Palladium(II) complex anchored on 2D-hexagonal mesoporous organosilica
Krishanu Sarkar, **Mahasweta Nandi**, Manirul Islam and Asim Bhaumik
Applied Catalysis A: General 352 (2009) 81-86
29. Vanadium resin as an efficient catalyst for the liquid phase ammoxidation of cyclic ketones
Sanghamitra Mukherjee, **Mahasweta Nandi**, Krishanu Sarkar and Asim Bhaumik

- Journal of Molecular Catalysis: A* 301 (2009) 114–117
30. A convenient sol-gel route for the synthesis of salicylate-titania nanocomposites having visible absorption and blue luminescence
Atanu Mitra, Asim Bhaumik, **Mahasweta Nandi**, John Mondal and B. K Roy
Journal of Solid State Chemistry 182 (2009) 1200-1205
 31. 3-D Ordered Mesoporous KIT-6 Support for Effective Hydrodesulfurization Catalysts
K. Soni, B.S. Rana, A.K. Sinha, A. Bhaumik, **M. Nandi**, M. Kumar, G.M. Dhar
Applied Catalysis B: Environmental 90 (2009) 55-63
 32. Concomitant polymorphism of an antiferromagnetically coupled dicopper(II,II) complex with single strand helical assembly: Synthesis, structure, DSC, magnetic and heterogeneous catalytic studies
Md. Mijanuddin, Atish Dipankar Jana, Michael G.B. Drew, Chang Seop Hong, Basab Chattopadhyay, Monika Mukherjee, **Mahasweta Nandi**, Asim Bhaumik, Madeline Helliwell, Golam Mostafa, Mohammad Ali
Polyhedron 28 (2009) 665–672
 33. Two highly unsymmetrical tetradentate (N₃O) Schiff base copper(II) complexes: template synthesis, structural characterization, magnetic and computational studies
Ambarish Ray, Dipankar Maity, Anup Pramanik, Kalyan K. Das, **Mahasweta Nandi**, Asim Bhaumik, M. Nethaji, Swastik Mondal, Monika Mukherjee, Mohammad Ali
Polyhedron 28 (2009) 3659-3666

Chapter in Books

1. Liquid phase partial oxidations over active transition metals grafted on different heterogeneous supports
Mahasweta Nandi and Asim Bhaumik
Focus on Catalysis Research: New Developments (2012); Nova Science Publishers, Inc., USA (2012) Chapter 14, 361-399
Editors: Minjae Ghang and Bjørn Ramel
ISBN: 978-1-62100-444-8

d) Dr. Umesh Kumar Singh

Number of papers : 4
published
Citation Index - range : 12-19
Impact Factor - range : 1.44-4.5
h-index : 6

List of Publications (2009-2013)

1. Arsenic enrichment in ground water in the middle Gangetic Plain of Ghazipur District in Uttar Pradesh, India
Manish Kumar, Pankaj Kumar, A.L. Ramanathan , Prosun Bhattacharya, Roger Thunvik, **Umesh K. Singh**, M. Tsujimura and Ondra Sracek
Journal of Geochemical Exploration 105 (2010) 83-94
2. Movement of Toxic Metals from Small Scale Industrial Areas-A case study from Delhi, India
Manju Rawat, **Umesh K. Singh** and V. Subramanian
International Journal of Environment and Waste Management (IJEWM) 5(3-4) (2010) 224-236
3. Chemical Weathering and Associated CO₂ consumption in Godavari River Basin, India
Pawan Kumar Jha, Jaya Tewari, **Umesh Kumar Singh**, Manish Kumar and V. Subramanian
Chemical Geology 264 (2009) 364 -374
4. Hydrogeochemical processes in the groundwater environment of Muktsar, Punjab: Conventional graphical and multivariate statistical
Manish Kumar, Kalpana Kumari, **Umesh Kumar Singh** and AL. Ramanathan
Environmental Geology 57 (2009) 873-884

e) Dr. Swapan Kumar Pandit

Number of papers : 1
published
Impact Factor - range : 2.3

List of Publications (2009-2013)

1. Transient Solution of an Incompressible Viscous Flow in a Channel with Sudden Expansion/Contraction
S. K. Pandit and D. C. Dalal
International Journal of Mathematical Sciences 7(2) (2013) 10-20

f) Dr. Nilanjan Bondyopadhyaya

Number of papers : 3
published
Citation Index - range : 1-4
Impact Factor - range : 1.243-5.3
h-index : 4

List of Publications (2009-2013)

1. Topologically trivial zero-bias conductance peak in semiconductor Majorana wires from boundary effects
Dibyendu Roy, **Nilanjan Bondyopadhyaya** and Sumanta Tewari
Physical Review B 88 (2013) 020502(R)
2. One-Dimensional Vertex Models Associated with a Class of Yangian Invariant Haldane-Shastry Like Spin Chains
Bireswar Basu-Mallick, **Nilanjan Bondyopadhyaya** and Kazuhiro Hikami
SIGMA 6 (2010) 091
3. Spectral properties of supersymmetric Polychronakos spin chain associated with A_{N-1} root system
B. Basu-Mallick and **Nilanjan Bondyopadhyaya**
Physics Letters A 373 (2009) 2831

g) Dr. Gireesh A.

Number of papers : 1
published
Citation Index - range : 10
Impact Factor - range : 31.027
h-index : 2

List of Publications (2009-2013)

1. The molecular basis of acid insensitivity in the African naked mole-rat
Ewan St. John Smith, Damir Omerbasic, Stefan G. Lechner, **Gireesh Anirudhan**,
Liudmila Lapatsina and Gary R. Lewin
Science 6062 (334) (2011) 1557-1560
23. **Details of patents and income generated:** Nothing in particular to mention
24. **Areas of consultancy and income generated:** Nothing in particular to mention
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
 - a) Dr. Susanta Ghosh
Visiting fellow, The George Washington University, Washington DC, USA (2009-2010)
 - b) Dr. Mahasweta Nandi
Post-doctoral Researcher (JSPS and GCOE), Osaka University, 2010-2012
 - c) Dr. Umesh Kumar Singh
Boyscast fellow
Kansas State University, Manhattan, USA (2011-2012)
Also visited during this period:
University of California, Berkeley

City University of New York (CUNY)
Iowa State University
The George Washington University

26. **Faculty serving in**
 - a) **National committees:** NA
 - b) **International committees:** NA
 - c) **Editorial Boards:** NA
 - d) **Any other (please specify):** NA
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):** NA
28. **Student projects:**
 - a) **Percentage of students who have done in-house projects including interdepartmental projects:** 22%
 - b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** 78%
29. **Awards / recognitions received at the national and international level by**
 - a) **Faculty:**

Dr. Mahasweta Nandi
Recipient of the JSPS (Japan Society for the Promotion of Science) Fellowship, FY2011, ID P11042
Recipient of the GCOE (Global Centre of Excellence) Fellowship of Osaka University
Recipient of the FCT (Fundação para a Ciência e a Tecnologia) Fellowship, Grant No. SFRH/BPD/65351/2009, Portuguese Govt. Fellowship for Post-doctoral research

Dr. Umesh Kumar Singh
Recipient of the BOYSCAST FELLOWSHIP for the year 2010-2011.
Recipient of the JAPAN GOVERNMENT FELLOWSHIP (2009) to do research work in University of Tokyo for two years.
 - b) **Doctoral / post doctoral fellows:**

Mr. Mihir Ghosh (SRF)
Recipient of the best poster presentation award in Modern Methods in Materials Processing and Characterization (M3PAC – 2013), September 17-21, 2013, Department of Physics, NIT Durgapur, India
 - c) **Students:**
All the students of the Centre are entitled to DST INSPIRE fellowship provided by the Department of Science and Technology (DST), New Delhi, India

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- (a) National Symposium on Atomic & Molecular Spectroscopy (NSAMS – 2010), March 27-28, 2010
(Convenor: Dr. Subrata Sinha, Organizing Secretary: Dr. Mahasweta Nandi)
Source of funding: Visva-Bharati, DAE-BRNS
List of outstanding participants:
Prof. Tulsi Mukherjee, BARC (Plenary talk)
Prof. Tapan Ganguly, IACS
Prof. Nitin Chattopadhyay, JU
Prof. P. C. Mishra, BHU
Prof. Samita Basu, SINP
Prof. Lokesh C. Tribedi, TIFR
Prof. Amitava Patra, IACS
Dr. Nikhil Guchhait, CU
Prof. P. K. Mukherjee, Retired Professor, IACS
Dr. H. Pal, BARC
Dr. A. K. Chandra, NEHU
Dr. Pralay Maiti, BHU
- (b) International Conference on Global Climate Change (ICGC C– 2010), February 19-21, 2010
(Convenor: Prof. Puspajit Mandal and Prof. Shibani Chaudhury, Organizing Secretary: Dr. Umesh Kumar Singh and Dr. S. Balachandran)
Source of funding: Visva-Bharati, Ministry of Environment and Forest (MoEF), CSIR
- (c) Mathematics Training and Talent Search Programme 2010 (MTTS-2010), May 24-June 19, 2010
(Coordinator: Dr. Swapan Kumar Pandit)
Source of funding: Visva-Bharati, NBHM
- (d) Mathematics Training and Talent Search Programme 2011 (MTTS-2011), May 23- June 18, 2011
(Coordinator: Dr. Swapan Kumar Pandit)
Source of funding: Visva-Bharati, NBHM
- (e) INSPIRE Internship Winter Camp 2011, Visva-Bharati, December 12-16, 2011
(Coordinator: Dr. Swapan Kumar Pandit)
Source of funding: Visva-Bharati, DST

- (f) INSPIRE Internship Winter Camp 2012, Visva-Bharati, December 10-14, 2012
(Coordinator: Dr. Swapan Kumar Pandit and Dr. Umesh Kumar Singh)
Source of funding: Visva-Bharati, DST

31. **Code of ethics for research followed by the departments:** As per University rules.
32. **Student profile programme-wise:** NA (First batch not yet passed)

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------------------|--------|
| | | Male | Female | Male | Female |
| Five year Integrated M.Sc. | | 34 | 9 | NA | |
| Ph.D. | | 6 | 2 | NA (Degree not awarded yet) | |

33. **Diversity of students:**

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|---|--|---|------------------------------------|
| Integrated M.Sc. (2009-2013) | Students in the Integrated Course enter after 10+2 level. Thus they do not come from any University | | | Nil |
| Ph.D. (2009-2013) | 37.5 | 50.0 | 12.5 | Nil |

34. **How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:** NIL (First Batch not yet passed out)
35. **Student progression:**

| Student progression | Percentage against enrolled |
|---------------------------------|----------------------------------|
| UG to PG | NA (Five year Integrated Course) |
| PG to M.Phil. | NA |
| PG to Ph.D. | NA (First batch not yet passed) |
| Ph.D. to Post-Doctoral | NA |
| Employed | NA (First batch not yet passed) |
| • Campus selection | |
| • Other than campus recruitment | NA (First batch not yet passed) |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-------|
| of the same university | 14.29 |
| from other universities within the State | 57.14 |
| from universities from other States | 28.57 |
| from universities outside the country | NIL |

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 1 (One)**
- 38. Present details of departmental infrastructural facilities with regard to**
- Library:** One departmental library (Books funded by University).
 - Internet facilities for staff and students:** Ethernet Broad-Band and WiFi
 - Total number of class rooms:** 04
 - Class rooms with ICT facility:** 01
 - Students' laboratories:** 03
 - Research laboratories:** 01
- 39. List of doctoral, post-doctoral students and Research Associates:**
- Doctoral list from the host institution/university –**
Hemanta Karmakar, Anirban Chattopadhyay, Biswajit Roy
 - From other institutions/universities –**
Sreejata Sensarma, Sukanta Das, Mihir Ghosh, Sandip Layek, Arkabane Mukherjee
- 40. Number of post graduate students getting financial assistance from the university:** All our Five Year Integrated M.Sc. students, who maintain their GPA equal to 6.0 or more, are getting DST INSPIRE fellowship through Visva-Bharati.
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Nothing in particular to mention
- 42. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes. The centre tries to improve its functioning based on the feedback provided by the faculty members. This is generally done by discussing and resolving the concerned matters either in a Board of Studies (BOS) or departmental meeting.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Yes, our faculty members take student's feedback verbally and they improve and rectify accordingly.

- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Nothing in particular to mention
43. **List the distinguished alumni of the department (maximum 10):** NA, First batch not yet passed out
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
 Special lectures and seminars are organized from time to time involving external experts.
Special lectures
 a) Prof. Debashish Chowdhury, Department of Physics, IIT Kanpur
 b) Dr. Amalesh Mukhopadhyay, advisor, SERB, DST, New Delhi
 c) Prof. Gautam Basu, Department of Biophysics, Bose Institute, Kolkata
45. **List the teaching methods adopted by the faculty for different programmes:**
 a) Student-teacher interactive session involving board and chalk teaching and power-point presentations
 b) Laboratory practical sessions
 c) Field work
 d) Tutorials
46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
 Students' feed-back, their performance in the internal assessments as well as in semester examinations.
47. **Highlight the participation of students and faculty in extension activities:**
 a) All the Students of the centre are enrolled in National Service Scheme (NSS).
 b) Many students participate in Inter-University sports competition and some are selected to represent at the National level.
 c) Faculty members help in day-to-day functioning of the hostels by taking charge as Hostel-Wardens.
48. **Give details of "beyond syllabus scholarly activities" of the department:**
 a) Guidance for NET/SET/GATE
 b) Projects in various fields of research at PG level
49. **State whether the programme / department is accredited / graded by other agencies? If yes, give details:** Not yet
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:** Nothing in particular to mention

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Faculties have expertise in various subjects, *e.g.* Biology, Chemistry, Mathematics, Physics, Environmental Science, etc.
- ii) Faculties are well-experienced in their fields of specialization as well as publication of research articles in international/national journals of repute
- iii) All the students are entitled to INSPIRE fellowship provided by Department of Science and Technology (DST, New Delhi)
- iv) Organization of DST INSPIRE winter/summer camp, national seminars / conferences at regular intervals which helps to develop knowledge for both students and faculties
- v) Students of the department come from various states all over the country

b) Weaknesses:

- i) Infrastructural inadequacy
 - a) No separate unit for the Centre (accommodated in the Mathematics department on temporary basis)
 - b) No sitting rooms for faculty members as well as office room
 - c) Insufficient number of classrooms
 - d) Insufficient number of students laboratory as well as research laboratory
 - e) No room for library
- ii) Shortage of manpower
 - a) Insufficient number of teaching staff (have to depend on temporary teachers)
 - b) Insufficient number of laboratory assistants and office support staff
 - c) No library assistant
- iii) Very few students opt for full-time research work
- iv) No in-house placement for the students
- v) Internet facility for a limited period of time and only on working days; uninterrupted supply of power is not always available, which is important for functioning of certain delicate instruments.

c) Opportunities:

- i) As the department offers integrated course in Science, students have the opportunity to opt for major in Biology/Chemistry/Mathematics/Physics, after the first two years, depending upon their interest. But during the initial two years the students have to study all the subjects with equal effort which make them aware about the scope and application of the subjects, which they can later apply to perform interdisciplinary studies.

- ii) Faculty members have huge opportunity to carry out interdisciplinary research work as the department comprises of teachers under one shed belonging to various fields of Science, viz. Biology, Chemistry, Mathematics, Physics, Environmental Science, etc.
- iii) Students have the scope to work for Ph.D./D.Sc. Programmes after completion of Integrated M.Sc. course
- iv) Syllabi catering to global needs and standards are implemented and practiced, (iv) Ample scope for special lectures/ interactive sessions from distinguished experts of various fields from other universities/institutes
- v) The natural environment of Santiniketan inculcates and encourages the young minds and disciplines them with moral virtues to become responsible citizens with compassionate hearts.

d) Challenges :

- i) To set up *state of the art* classrooms, student and research laboratories where innovative ways of interactive learning can be introduced
- ii) To motivate the students to choose a career in research after completion of the five year Integrated Course
- iii) To make the tutorial system more effective and to improve the communicating skills of the students, so that they remain at par with students coming from other reputed institutions
- iv) To motivate more number of students from other Universities and abroad to carry out their research activities in this Centre
- v) To motivate the doctoral students to opt for their postdoctoral studies as well as D. Sc. Programmes.

52. Future plans of the department:

Established in 2008, this department is at its premature state struggling hard to develop itself as a center with excellence in both academics and research. The new building is coming up where classrooms and students laboratories shall be set up with modern infrastructural facilities. Side by side, the research laboratories shall also be extended with the cooperation of the faculty members. The center shall also try to enhance the faculty as well as non-academic staff strength which is another very important part for proper functioning of the unit. Up-gradation of the facilities like Computer Laboratory, Departmental library, etc. for students, research scholars as well as for faculties with round-the-clock internet facility shall be done. Possibility of exchange programmes/collaborative projects with other universities/institutes in India/ foreign countries, shall be explored thereby creating visiting fellowships for research scholars and visiting professorship for faculties. A seminar hall equipped with modern facilities shall be developed to properly organize seminar/conference/workshop etc. Finally, the

center plans to offer more interdisciplinary courses to the students in the coming years, so that the course remains an integrated one in the true sense.

Evaluative Report of the Department of Physics

1. **Name of the Department :** Physics
2. **Year of establishment :** 1963
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** Our department is actively involved in designing curriculum and teaching courses offered by the center of integrated science, Visva-Bharati.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester/ Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Yes. Integrated Science
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 3 | 2 | 11 |
| Associate Professors | 5 | 5 | 3 |
| Asst. Professors | 18 | 18 | 11 |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**
 - a) **Name** : S.N. Roy
 - Qualification** : Ph.D.
 - Designation** : Professor

- | | | | |
|----|--|---|--------------------------|
| | Specialization | : | Nuclear Physics |
| | No. of Years of Experience | : | 34 years |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| b) | Name | : | S.K. Roy |
| | Qualification | : | Ph.D. |
| | Designation | : | Professor |
| | Specialization | : | Condensed matter Physics |
| | No. of Years of Experience | : | 32 years |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| c) | Name | : | S. Chakrabarty |
| | Qualification | : | Ph.D. |
| | Designation | : | Professor |
| | Specialization | : | Particle Physics |
| | No. of Years of Experience | : | 32 years |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| d) | Name | : | T.P. Chattopadhyay |
| | Qualification | : | Ph.D. |
| | Designation | : | Professor |
| | Specialization | : | Electronics |
| | No. of Years of Experience | : | 27 years |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 02 |
| e) | Name | : | Somenath Chakrabarty |
| | Qualification | : | Ph.D. |
| | Designation | : | Professor |
| | Specialization | : | Astrophysics & Cosmology |
| | No. of Years of Experience | : | 8+13* years |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | 03 |
| f) | Name | : | Manas Maity |
| | Qualification | : | Ph.D. |
| | Designation | : | Professor |
| | Specialization | : | Particle Physics |

- No. of Years of Experience** : 11 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- g) **Name** : T.K.Kundu
Qualification : Ph.D.
Designation : Professor
Specialization : Eletronics
No. of Years of Experience : 9+5* years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- h) **Name** : A.Bhattacharjee
Qualification : Ph.D.
Designation : Professor
Specialization : Condensed Matter Physics
No. of Years of Experience : 9+9* years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- i) **Name** : P.K.Ghosh
Qualification : Ph.D.
Designation : Professor
Specialization : Particle Physics
No. of Years of Experience : 8 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 01
- j) **Name** : S. Mandal
Qualification : Ph.D.
Designation : Professor
Specialization : Quantum Electronics
No. of Years of Experience : 20 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- k) **Name** : A. Sengupta
Qualification : Ph.D.
Designation : Professor
Specialization : Condensed Matter Physics
No. of Years of Experience : 20 years

- No. of Ph.D./M.Phil. students
 guided for the last 4 years : 03
- l) Name : S. Sil
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Condensed Matter Physics
 No. of Years of Experience : 14 years
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : 01[#]
- m) Name : A. Chakravarty
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Condensed Matter Physics
 No. of Years of Experience : 16 years
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : 01[#]
- n) Name : A. Saha
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Atomic Physics
 No. of Years of Experience : 16 years
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : 02
- o) Name : S.K. Mandal
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Condensed Matter Physics
 No. of Years of Experience : 09 years
 No. of Ph.D./M.Phil. students
 guided for the last 4 years : 04
- p) Name : B.C. Gupta
 Qualification : Ph.D.
 Designation : Associate Professor
 Specialization : Condensed Matter Physics
 No. of Years of Experience : 08 years
 No. of Ph.D./M.Phil. students

- guided for the last 4 years : 03
- q) Name : B. Mukherjee
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Experimental Nuclear Physics
 No. of Years of Experience : 08 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- r) Name : S.C. Tudu
 Qualification : M.Sc.
 Designation : Assistant Professor
 Specialization : X-Ray & Crystallography
 No. of Years of Experience : 6 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- s) Name : S. Roy
 Qualification : M.Sc.
 Designation : Assistant Professor
 Specialization : Electronics
 No. of Years of Experience : 06 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- t) Name : A. Bandhyapadhyay
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Laser Physics
 No. of Years of Experience : 04 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- u) Name : S.Das
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Astrophysics&Cosmology
 No. of Years of Experience : 04 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 01

- v) Name : B. Roy Chowdhury
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Relativity, Cosmology
 No. of Years of Experience : 04 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- w) Name : B. Pandey
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : Astrophysics&Cosmology
 No. of Years of Experience :
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- x) Name : A.Saw Mondal
 Qualification : M.Sc.
 Designation : Assistant Professor
 Specialization : Astrophysics&Cosmology
 No. of Years of Experience :
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- y) Name : R.K.Singha
 Qualification : Ph.D.
 Designation : Assistant Professor
 Specialization : High Energy Physics
 No. of Years of Experience :
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- # Mr. S. Roy has carried out research work under joint supervision of Dr. Arani Chakravarty and Dr. S. Sil.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Prof. B. K. Talukdar

13. Percentage of classes taken by temporary faculty — programme-wise : NA

14. Programme-wise Student Teacher Ratio : 16:1

15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | 04 | - | 04 |
| Administrative Staff | 03 | - | 03 |
| Others (Peon) | 02 | - | 02 |

Total No. of Non-Teaching Staff: 9 (+2 vacant)**16. Research thrust areas as recognized by major funding agencies:**

Astrophysics & Cosmology
 Condensed Matter Physics (Theory & Experiment)
 Electronics, Microwave & Optical Communication
 Nuclear Physics (Theory & Experiment)
 Material Science
 Particle Physics & Mathematical Physics
 Quantum Electronics
 Radiation Physics
 Solar Energy & Renewable energy

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

| SI No | Name of the faculty | Project title | Funding authority | Sanctioned amount |
|-------|------------------------|---|---------------------|---|
| 1 | Prof. T. Chattopadhyay | <i>Nonlinearities and synchronization of quantum cascade laser.</i> | UGC, Govt. of India | Rs. 5,44,021/- (May 01, 2009-April 30, 2012) |
| 2 | Prof. M. Maity | <i>India-LHC Grid Collaboration – Enhancement of Regional Worldwide Computing Grid(WLCG).</i> | DST, Govt. of India | Rs. 29.7 lakhs, (April 2009 – March 2013) |
| 3 | Prof. M. Maity | <i>Study of New Particles with the eCMS at the Large Hadron Collider and Heavy Ion Physics with the LHC at CERN</i> | DST, Govt. of India | Rs. 431 lakhs, (April 2009 – March 2014) |

| SI No | Name of the faculty | Project title | Funding authority | Sanctioned amount |
|-------|------------------------|--|---|---|
| 4 | Prof. S. Mandal | <i>Quantum Teleportation with Continuous Variables</i> | UGC, Govt. of India | Rs. 11 Lacs |
| 5 | Prof. A. Sengupta: | <i>Effects of annealing on free volume and chain mobility in pilot fluoroelastomers investigated by non-destructive measurement protocol</i> | SERC, DST, Govt. of India | INR 34,20,200. |
| 6 | Prof. A. Sengupta: | <i>Measurement of occupied and Free Volume in Polyethylene by Raman Spectra and Positron Annihilation Lifetime Spectroscopy.</i> | UGC, Govt of India | INR 9,33,000 |
| 7 | Prof. A. Bhattacharjee | <i>Electrical, Magnetic and Microstructural Characterization of some Composite Biopolymer</i> | CSIR, Govt. of India | Rs. 15.74 Lacs (Tenure: JULY, 2011 – JUNE, 2014) |
| 8 | Prof. T. K. Kundu | <i>Metal nanoparticles embedded in oxide thin films for memory device application</i> | UGC, Govt. of India | Rs. 7.46 lacs (Aug 2011-July 2014) |
| 9 | Prof. P. K. Ghosh | <i>Physics and Mathehtics of PT symmetric system</i> | SERC, DST, Govt. of India | Rs. 13.40 lacs (May 2013-May 2016) |
| 10 | Dr. S. K. Mandal | <i>Chemical synthesis and physical properties of multiferroic nanostructures</i> | CSIR, Govt. of India | Rs. 15 Lacs |
| 11 | Dr. B. Mukherjee | <i>Measurement of prompt proton decays in $N = Z$ nuclei using Indian Gamma Detector Array</i> | Inter-University Accelerator Center, New Delhi (an autonomous center of | One UFR fellowship plus consolidated INR 25,000/- per year for 3 years. |

| SI No | Name of the faculty | Project title | Funding authority | Sanctioned amount |
|-------|---------------------|--|---------------------|-------------------|
| | | | UGC). | |
| 12 | Mr. S. Roy | <i>Experimental study of percolation phenomenon through contactless techniques</i> | UGC, Govt. of India | Rs. 1,70,000 |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration: None

b) International collaboration: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

| Funding authority | Head of account as given in the original sanction order | Total Sanctioned Project Cost | Date of Commencement |
|--|---|-------------------------------|----------------------|
| DST, Govt. of India Sanction letter : SR/FIST/PSI- 157/2010, dt 10.03.2011 | FIST program: PG teaching and Research (Materials Science, Nanoscience, Computational facility) | Rs. 152,00,000.00 | 17.04.2011 |

20. Research facility / centre with

a) state recognition : None

b) national recognition: None

c) international recognition: None

21. Special research laboratories sponsored by / created by industry or corporate bodies: NA

22. Publications:

- a) No. of papers published in peer reviewed journals (national/international):
- 2011-12, No. of Papers = 30,
 - 2012-13, No. of papers = 25

B. K. Talukdar : 8
 Subrata Chakraborty : 5
 T. P. Chattopadhyay : 5
 S. N. Chakrabarty : 3
 Swapan Mondal : 13
 A. Sengupta : 1
 M. Maity : 26
 T. Kundu : 5
 A. Bhattacharjee : 22
 P.K. Ghosh : 9
 S. Sil : 5
 A. Chakraborty : 1
 B. C. Gupta : 6
 S. Roy : 1
 B. Panday : 3
 S. Das : 4
 A. Saha : 6
 B. Mukherjee : 5
 S. K. Mondal:9

- b) **Monographs:** – Nil
- c) **Chapters in Books:** –
 A. Bhattacharjee, “Understanding of phase transitions and thermally induced metal to metal electron transfer in aBlue Analogue”, Prussian Blue(s): Multifunctional materials, ed. P. Somani, Pune, India 2010.
- d) **Edited Book:** Nil –
- e) **Books with ISBN with details of publishers:**
 1. Taraprasad Chattopadhyay: “Advanced Electronics,” CBS Publisher, New Delhi, 2013
 2. B. Roychoudhury: “Relativistic Sagnac Effect: Some conceptual questions and related issues”, VDM Verlag (2010) ISBN – 978-3-639-29679-2.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** Nil
- g) **Citation Index — range / average:** Nil
- h) **SNIP:** Nil
- i) **SIR:** Nil

- j) **Impact Factor** — range / average: 0.5- 5
- k) **h-index:** Nil
23. **Details of patents and income generated:** Not yet any
24. **Areas of consultancy and income generated:** NA
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- a) **National –**
- Prof. Swapan Mondal: NPL, Delhi.
 - Dr. B. Mukherjee: IUAC, New Delhi; IAS, Bengaluru.
- b) **International –**
- Prof. Bikash Chandra Gupta: Department of Physics, Virginia Commonwealth University, USA (2011-2012)
 - Prof. Swapan Mondal: ICTP, Trieste, Italy (2011 -2012); Palacky University, Olomouc, Czech Republic; University of LaPlata, Buenosaires, Argentina.
 - Prof. P.Ghosh Nuclear Physics Institutes, ASCR; Doppler Institute of Mathematical Physics, Prague, Czech Republic (2011-12).
 - Dr. Biswajit Pandey: AVH Fellowship, Germany. (2011-12).
26. **Faculty serving in**
- a) **National committees:**
- b) **International committees:**
- c) **Editorial Boards:**
Prof. T.K. Kundu: Guest Editor; Advanced Material Science & engineering.
- d) **Any other (please specify):**
Pijush K. Ghosh
Reviewer of Journals:
i) Physics Letters A, Journal of Physics A: Mathematical & General, Nonlinearity, European Journal of Physics etc.
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**
Taraprasad Chattopadhyay
Seminars, Conferences, Symposia Workshops etc. attended

| Conference/ Symposia Workshop, etc | Name of the Sponsoring Agency | Place and Date |
|---|-------------------------------|--|
| IEEE International Conference on Circuits and Systems | DST, CSIR, Visva-Bharati | Kuala Lumpur, Malaysia, September 18-19, 2013. |

| | | |
|--|---------------|---|
| (ICCAS 2013) | | |
| IEEE International Conference on Computers and Devices for Communications (CODEC-2012) | Visva-Bharati | Institute of Radio Physics and Electronics, University of Calcutta, Kolkata, Dec. 17-19, 2012 |
| IEEE National Conference on Electrical, Electronics and Computer Engineering | UGC | Jadavpur University, Kolkata, India, November 04-05, 2011. |

Asmita Sengupta

Details of Seminars, Conferences, Symposia organized

Organised a two day 'Panel Discussion Meeting' on Materials Research with Frontier State – of – Art Facilities (MRFSAF-09) during January 17-18, 2009 at the Department of Physics,

Sudipta Das**Seminars, Conferences, Symposia Workshops etc. attended**

| Conference/ Symposia Workshop, etc | Name of the Sponsoring Agency | Place and Date |
|--|---------------------------------------|--|
| Workshop on Astrophysics and Cosmology | Calcutta University and IUCAA | University of Calcutta from 13.01.2010 – 14.01.2010 |
| Refresher course in Physics | UGC | Academic Staff College, University of Calcutta from 04. 07. 2011 to 23. 07. 2011 |
| International Conference on Modern Perspectives of Cosmology and Gravitation | Indian Statistical Institute, Kolkata | Indian Statistical Institute, Kolkata 07 – 11 February, 2012 |
| XX DAE-BRNS High Energy Physics Symposium | DAE | Department of Physics, Visva-Bharati from 14-18 December, 2012 |
| Orientation Programme (OP - 99) | UGC | Academic Staff College, University of Calcutta from 02. 02. 2013 to 02. 03. 2013 |

Improvement of Professional Competence:

- i) Workshop on Astrophysics and Cosmology held at University of Calcutta from 13.01.2010 – 14.01.2010
- ii) Refresher course in Physics held at Academic Staff College, University of Calcutta from 04. 07. 2011 to 23. 07. 2011
- iii) International Conference on Modern Perspectives of Cosmology and Gravitation held at Indian Statistical Institute, Kolkata from 07 – 11 February, 2012
- iv) XX DAE-BRNS High Energy Physics Symposium held at Department of Physics, Visva-Bharati from 14-18 December, 2012
- v) Orientation Programme (OP – 99) held at Academic Staff College, University of Calcutta from 02. 02. 2013 to 02. 03. 2013
- vi) 27th IAGRG Meeting held at Department of Physics, H N Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand from 07-09 March, 2013

Aditya Sow Mondal**Improvement of Professional Competence:**

- i) Attended workshop on Data-analysis: X-ray Pulsars and Compact objects that was sponsored by Inter University Center for Astronomy and Astrophysics(IUCAA) , held at North-Bengal University during 1-3 December, 2011.
- ii) Participated in the 2nd IUCAA X-ray Astronomy School held at IUCAA, Pune during February 4 – March 2, 2013.
- iii) Attended IUCAA sponsored workshop on X-Ray Astronomy, held at North-Bengal University during 23-25 March, 2013.
- iv) Attended one refresher course on Astronomy and Astrophysics from IUCAA, Pune during May 6 – June 7, 2013.
- v) Attended one national seminar on Rabindrachitra organised by Visva-Bharati University during February 11-12, 2012

Bikash Chandra Gupta**Improvement of Professional Competence:**

Details regarding refresher courses/orientation attended, participation in summer schools, workshops, seminars, symposia etc. including open university courses/M.Phil., Ph.D.

| Conference/ Symposia Workshop, etc | Name of the Sponsoring Agency | Place and Date |
|---|------------------------------------|---------------------------------|
| “Physics of Surfaces and Interfaces” | IOP (Bhubaneswar) & IACS (Kolkata) | Puri, Orissa (Feb. 23-27, 2009) |
| “International Symposium on Clusters and Nano-Structures” | VCU (USA) | Virginia, USA (Nov. 7-10, 2011) |

| Conference/ Symposia Workshop, etc | Name of the Sponsoring Agency | Place and Date |
|------------------------------------|-------------------------------|---------------------------------|
| “Condensed Matter Days” | BIT, Mesra, Ranchi, India | BIT, Mesra (Aug 29-31, 2012) |
| “Condensed Matter Days” | NIT, Rourkela, India | NIT, Rourkela (Aug 29-31, 2013) |

Subhas Chandra Tudu**Improvement of Professional Competence:**

Details regarding refresher courses/orientation attended, participation in summer schools, workshops, seminars, symposia etc. including open university courses/M.Phil., Ph.D.

- i) Attended one orientation programme from UGC-Academic Staff College, Burdwan University 4th- 31st July, 2013

Dr. Aparna Saha**Improvement of Professional Competence:**

Details regarding refresher courses/orientation attended, participation in summer schools, workshops, seminars, symposia etc. including open university courses/M.Phil., Ph.D.

Attended three refresher courses and one orientation programme.

Presented papers in the following seminars:

- Participated national symposium on “ Atomic and molecular spectroscopy” (NSAMS-2010), SERC, Visva-Bharati.
- National seminar on “Non-linear aspects of Analysis and Algebra” (NAAA-2012), Deptt. of Maths, Visva-Bharati.
- National seminar on “Analysis of non-linear systems” (ANS-2011), Deptt. Of Maths, Visva-Bharati.
- National seminar on “Mathematics for non-linear systems”; Deptt. Of Maths., Visva-Bharati.

Tapas Kumar Kundu**Seminars, Conferences, Symposia Workshops etc. attended**

| Conference/ Symposia Workshop, etc | Name of the Sponsoring Agency | Place and Date |
|--|-------------------------------|----------------|
| International Conference on Nanotechnology and Medical Sciences, (ICNAM) | D.Y.Patil University, | Kolhapur, 2010 |
| National Review and coordination meeting 2009-Nano Mission | SNBNCBS, Kolkata, | 2009 |

Ashis Bhattacharjee

Seminars, Conferences, Symposia Workshops etc. attended

| Conference/ Workshop, etc | Symposia | Name of the Sponsoring Agency | Place and Date |
|---|----------|----------------------------------|--|
| 1. International Conf. On Global Scenario In Environment and Energy (ICGSEE2013) | | | MANIT, Bhopal, India, 14-16 th March 2013. |
| 2. TSNSCMPLA-2013 | | | Burdwan Univ., WB, March, 2013. |
| 3. Int. Conf. on Recent Advances in Composite Materials | | | Goa, Feb 18-21, 2013, |
| 4. Int. Workshop on Nanomaterials | | | Jadavpur Univ., 14-15 Dec, 2012. |
| 5. SNSCMPLA-2012 | | | Burdwan Univ., WB, March, 2012. |

Manas Maity

Details of Seminars, Conferences, Symposia organized

- i) Member, National Organizing Committee, XIX DAE-BRNS Symposium on High Energy Physics, LNMIIT, Jaipur, India, December, 2010
- ii) Convener, Discussion Meeting on Physics at the LHC, Visva-Bharati, Santiniketan, January 28-30, 2011
- iii) Convener, XX DAE-BRNS High Energy Physics Symposium, Visva-Bharati, Santiniketan, January 14-18, 2013

Pijush K. Ghosh

Seminars, Conferences, Symposia Workshops etc. attended

| Conference/ Workshop, etc | Symposia | Name of the Sponsoring Agency | Place and Date |
|--|----------|--|--|
| XX DAE-BRNS High Energy Physics symposium | | Not Applicable | January 13-18, 2013, Visva-Bharati University, Santiniketan |
| Jubilee meeting of the international conference series Pseudo-hermitian Hamiltonian and Quantum Physics(PHHQP X) entitled ``Quantum Physics with non-hermitian operators" | | Max Planck Institute for Physics of Complex Systems, Dresden, | June 16-25, 2011, Max Planck Institute for Physics of Complex Systems, Dresden, Germany. |

| | | |
|---|--|--|
| | Germany. | |
| National Seminar on Science and Nature: Tagore's Vision and its Relevance (A celebration on the occasion of 150th birth anniversary of Gurudev Rabindranath Tagore) | Not Applicable | March 12-13, 2011, Siksha-Bhavana, Visva-Bharati. |
| International Workshop on Supersymmetric Quantum Mechanics & Spectral Design | SERC, DST, Govt. of India and Organizers | July 18 - July 30, 2010, Centro De Ciencias Pedro Pasual, Benasque, Spain. |
| One-day mini-symposium on Topological Aspects of Condensed Matter Physics: Mathematical Approaches | Not Applicable | June 13, 2008, ISSP, University of Tokyo, Kashiwa |

Invited/Contributed Talk Given At Conferences/Symposia:

- i) Jubilee meeting of the international conference series Pseudo-hermitian Hamiltonian and Quantum Physics(PHHQP) entitled ``Quantum Physics with non-hermitian operators'', June 16-25, 2011, Max Planck Institute for Physics of Complex Systems, Dresden, Germany.
- ii) Regional Science Congress of Jawhar Navodaya Vidyalaya Samiti(Patna Region) under the auspices of MHRD, Govt. of India, November 17, 2010, Jawhar Navoday Vidyalaya at Durgapur, West Bengal, India.
- iii) Workshop on Supersymmetric Quantum Mechanics & Spectral Design, July 18 - July 30, 2010, Centro De Ciencias Pedro Pasual, Benasque, Spain.
- iv) National Level Applied Mathematics Symposium on Trends & Challenges in Quantum Theory, February 27-28, 2008, Department of Applied Mathematics, University of Calcutta, Kolkata, India.
- v) National Level Applied Mathematics Symposium on Quantum Mechanics in the Perspective of Modern Trends, February 17-18, 2005, Department of Applied Mathematics, University of Calcutta, Kolkata, India
- vi) India And Abroad -III: A Conference In Condensed Matter Physics(A special session on the Bose-Einstein condensation), January 2003, S. N. Bose National Centre for Basic Sciences, Kolkata, India
- vii) Symposium on Current Trends in Physics, September 1999, Institute of Physics, Bhubaneswar, INDIA.
- viii) XI High Energy Physics symposium, December 1994, Visva-Bharati University, Santiniketan, INDIA (Organized by Department of Atomic Energy, India).

Visited and delivered talk(s) within India

- i) Tata Institute of Fundamental Research, Mumbai, (b) Indian Institute of Science, Bangalore, (c) S. N. Bose National Centre for Basic Sciences, Kolkata, (d) Indian Institute of Technology, Kanpur, (e) Indian Institute of Technology, Kharagpur, (f) Central University of Hyderabad, Hyderabad, (g) Jawaharlal Nehru University, Delhi, (h) Saha Institute of Nuclear Physics, Kolkata.

Training Programmes:

- i) Summer School in Particle Physics and Cosmology, June 08-30, 1996, Abdus Salam International Centre for Theoretical Physics, Trieste, ITALY.
- ii) Summer School in Particle Physics and Cosmology, June 11 - July 08, 1994, Abdus Salam International Centre for Theoretical Physics, Trieste, ITALY.
- iii) Winter School on Interface of Particle Physics and Cosmology, January 1993, Puri, INDIA (Organized by BCSPIN, Institute of Physics and S. N. Bose National Centre for Basic Sciences).
- iv) VII SERC School in Theoretical High energy Physics, December 30, 1991-January 16, 1992, Physical Research Laboratory, Ahmedabad, INDIA.

Dr. Amitava Bandyopadhyay

Improvement of Professional Competence:

Details regarding refresher courses/orientation attended participation in summer schools, workshops, seminars, symposia etc. including Open University courses/M.Phil., Ph.D.

| | | |
|---|------------------------------------|---|
| 1. Inspire Programme 2009 | Department of Science & Technology | Integrated Science Education & Research Centre, Visva-Bharati, August 2009. |
| 2. National Symposium on Atomic & Molecular Spectroscopy 2010 | Department of Atomic Energy | Integrated Science Education & Research Centre, Visva-Bharati, March 2010 |
| 3. Refresher Course in Physics | UGC | Academic Staff College, University of Calcutta, 92 A. P. C. Road, Kolkata 700 009; duration 4 th July 2011 – 23 rd July 2011 |
| 4. Orientation Program | UGC | Academic Staff College, University of Calcutta, 92, APC Road, Kolkata 700 009. Duration: 3 rd September 2012 – 29 th September 2012 |

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects:** 100%
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** NA

29. Awards / recognitions received at the national and international level by
a) Faculty:

Dr. Ashmita Sengupta: “Bharat Jyoti” by IIFS, “Glory of India” by IISA, “Best citizen of India” by International Publishing House, New Delhi .

Dr. Swapan Mondal : Fellowship awarded jointly by Third world academy of Science (TWAS) and University Sains, Malaysia .

b) Doctoral / post doctoral fellows:
c) Students:
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Conference/Workshops organized: XIX DAE-BERNS High Energy Physics Symposium held during 14-18 January, 2013 at Santiniketan, Convener- Dr. Manas Maity.

31. Code of ethics for research followed by the departments: As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG (2011-12) | VBCAT | 35 | 05 | | |
| UG (2012-13) | VBCAT | 31 | 09 | | |
| PG (2011-12) | | 34 | 09 | | |
| PG (2012-13) | | 43 | 09 | | |
| Ph.D. (2011-12) | | 3 | 0 | | |
| Ph.D. (2012-13) | | 7 | 1 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| UG(2011-12) | 40% | 60% | | |

| | | | | |
|---------------|-----|-----|--|--|
| UG(2012-13) | 35% | 65% | | |
| PG(2011-12) | 57% | 43% | | |
| PG(2012-13) | 58% | 42% | | |
| Ph.D(2011-12) | 3 | 0 | | |
| Ph.D(2012-13) | 6 | 2 | | |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

| Name of the Examinations | Year of examination | No. of students passed |
|--------------------------|---------------------|------------------------|
| JEST | 2012 | 08 |
| JEST | 2013 | 04 |
| GATE | 2012 | 10 |
| GATE | 2013 | 08 |
| NET | 2011 | 04 |
| NET | 2012 | 06 |
| NET | 2013 | 07 |

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|--------------------------------|
| UG to PG | 90% (2011-12) 91% (2012-13) |
| PG to M.Phil. | NA |
| PG to Ph.D. | 20% |
| Ph.D. to Post-Doctoral | Not Available |
| Employed | Data is not Available |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|----------|
| of the same university | 6 (24%) |
| from other universities within the State | 19 (76%) |
| from universities from other States | |
| from universities outside the country | |

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Prof. Subrata Chakraborty obtained D. Litt. from Visva-Bharati

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | |
| Ph.D. | |
| D.Sc. | 1 (One |
| D.Litt | |

- 38. Present details of departmental infrastructural facilities with regard to**

- Library:** 1 (One)
- Internet facilities for staff and students:** Broadband, Wireless network
- Total number of class rooms:** 06
- Class rooms with ICT facility:** 01
- Students' laboratories:** 06
- Research laboratories:** 07

- 39. List of doctoral, post-doctoral students and Research Associates:**

- a) Doctoral list from the host institution/university –**

- RA: 1. Dr. Sibaprasad Das
2. Dr. Puspendu Barik

Doctorial students:

- Prosenjit Bhattacharyya
- Arpita Ghosh
- Nandini Nag
- Sanchari De
- Shailedra Kumar Singh
- Saswata Ghosh
- Nasir Alam
- Khairul Islam
- Arindam Ghosh
- Subhasish Roy
- Ritesh Ghosh
- Subrata Sarkar
- Aditya Sow Mandal
- Sambhunath Chatterjee.
- V. Senthil
- Nantu Karak
- Puspendu Barik
- Arup Ratan Mandal

19. Mahesh Dabbugalla
20. Lutful Kabir
21. Supriya Chatterjee
22. Arunava Mandal
23. Sandip Pan
24. Subrata Mukherjee
25. Achintya Kumar Saha
26. Santosh Kumar Dawn
27. Chiranjib Ghosh
28. Somnath Chowdhury
29. Debdeep Sinha
30. Rimi Labor
31. Bratati Das
32. Manoj Das
33. Prajna Mukherjee
34. Amitabha Satpathi
35. Suman Sarkar
36. Siddharth Rai
37. Gulam Ali
38. Amitabha Chowdhury
39. Debasish Roy
40. Amlan Rooj
41. Haradhan Mandal
42. Dhananjoy Bhakat
43. Dinesh Sarkar
44. Debabrata Pal
45. Arindam Biswas
46. Sampad Mandal
47. Chaitali Mondal
48. Mahasin Alam
49. Tanmay Sarkar
50. Sandip Bhowmick

b) From other institutions/universities – None

- 40. Number of post graduate students getting financial assistance from the university: None**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, Feedback is used to modify the academic curriculum.
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: No
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback: No
43. List the distinguished alumni of the department (maximum 10):
 - a) Prof. Amitabha Dutta, Emiretus Prof. of Calcutta University
 - b) Prof. Sayan kar, IIT, Kharagpur
 - c) Prof. Biswajit Paul, RRI, Bangalore
 - d) Prof. Munsu Golam Mustafa, SINP, Kolkata
 - e) Prof. Prasenjit Singha Deo, SNBNCBS, Kolkata
 - f) Prof. Utpal Chatterjee, Dept. of Physics, University of Virginia
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
Special Lectures:
 - a) Prof. Kaushik Roy, IACS, Jadavpur, Kolkata, March 22, 2013
 - b) Dr. Sibaprasad Das, University of Valencia, April 10, 2011
 - c) Mr. Satyaki Ganguly, University of North Dame, USA, December 11, 2011
 - d) Prof. B.N. Dev, IACS, Jadavpur, Kolkata, August 12, 2013
45. List the teaching methods adopted by the faculty for different programmes:
 - a. Lecture Method
 - b. Demonstration Method
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: The department meet regularly to discuss the progress and status of various projects including students performance, placement and research activities.
47. Highlight the participation of students and faculty in extension activities:
Our students and faculties participate in the following extension activities:
 - 1) Gandhi Purnaho
 - 2) Halakarshan, Briksharopan
 - 3) Vasanta Utsava

- 4) Annual Sports
- 5) Study tour, picnic

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) Organize workshops/ symposium
- b) NET / GATE / JEST coaching
- c) Give special lectures
- d) Organize study tour
- e) Watching the sky at night by Astronomical Telescope

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- 1) Quality human resources: dynamic faculty members with national and international exposures and specialization on diverse areas; excellent teacher-student relationship
- 2) Curriculum: Updated syllabus with elective and special papers on contemporary topics
- 3) Research activity in various fields
- 4) Good Departmental Library
- 5) Networking facility

b) Weaknesses:

- 1) Lack of required number of Lab assistants
- 2) Workshop and manpower
- 3) Lack of Lab space & class-room space
- 4) No collaboration with industries
- 5) Lack of adequate number of office staff
- 6) Lack of sufficient infrastructure

c) Opportunities:

- 1) Invite eminent speakers from India and abroad to deliver seminar lectures
- 2) Guide students of other departments to carry out project works
- 3) Offers various special papers
- 4) Material preparation and characterization using XRD, TG-DTC facilities
- 5) Theoretical modeling of nano-materials
- 6) Sky watch - using Astronomical Telescope

d) Challenges :

- 1) Research in frontier areas
- 2) Research in interdisciplinary areas
- 3) Prepare students for different competitive examinations such as NET, GATE, JAM, JEST UPSC etc.
- 4) Establish collaboration with industries and enhance research activities in science & technology
- 5) Design innovative methods for teaching & learning
- 6) Design up-to-date curriculum for advanced studies

52. Future plans of the department:

- a) To increase research activities in the existing areas of research in the department.
- b) To increase collaborative research with internationally reputed institutes / industries
- c) To introduce new method of teaching
- d) To set up new experiments in UG and PG laboratories

Evaluative Report of the Department of Statistics

1. **Name of the Department :** Statistics
2. **Year of establishment :** 1999
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** The faculties are actively engaged in research and consultancy with the departments like : botany, zoology, chemistry, economics , rural development and others.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester / Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:**
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 1 | 1 | 1 |
| Associate Professors | 2 | 1 | 1 |
| Asst. Professors | 6 | 4 | 4 |
| Others | | | |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**
 - a) **Name** : K. Chatterjee
 - Qualification** : M.Stat., Ph.D.
 - Designation** : Professor
 - Specialization** : Design of Experiments
 - No. of Years of Experience** : 34 years
 - No. of Ph.D./M.Phil. students guided for the last 4 years** : 01

- b) Name : S. S. Maiti
 Qualification : M.Sc., Ph.D.
 Designation : Associate Professor
 Specialization : Reliability Analysis
 No. of Years of Experience : 14 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : 02
- c) Name : A.Chakraborty
 Qualification : M.Sc., Ph.D.
 Designation : Assistant Professor
 Specialization : Biostatistics
 No. of Years of Experience : 09 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- d) Name : T. Ghosh
 Qualification : M.Sc., Ph.D.
 Designation : Assistant Professor
 Specialization : Reliability Analysis
 No. of Years of Experience : 08 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- e) Name : S.I. Maiti
 Qualification : M.Sc.
 Designation : Assistant Professor
 Specialization : Time Series
 No. of Years of Experience : 08 years
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil
- f) Name : S. Mukhopadhyay
 Qualification : M.Sc., Ph.D.
 Designation : Assistant Professor
 Specialization : Applied Stat & Data Analysis
 No. of Years of Experience : 01 year
 No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

- 13. Percentage of classes taken by temporary faculty — programme-wise :** Since no temporary faculty has been engaged in the assessment period , the situation does not arise.

- 14. Programme-wise Student Teacher Ratio :**

| Course | Teacher : Student |
|------------|-------------------|
| BSc Sem I | 1 : 27 |
| BSc Sem II | 1 : 27 |
| BSc III | 1 : 27 |
| BSc IV | 1 : 27 |
| BSc V | 1 : 22 |
| BSc VI | 1 : 22 |
| BSA I | 1 : 20 |
| BSA II | 1 : 20 |
| BSA III | 1 : 20 |
| BSA IV | 1 : 20 |
| MSc I | 1 : 24 |
| MSc II | 1 : 24 |
| MSc III | 1 : 24 |
| MSc IV | 1 : 24 |

- 15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | - | - | - |
| Administrative Staff | - | 2 | 2 |
| Others | - | - | - |

- 16. Research thrust areas as recognized by major funding agencies:** Industrial statistics (includes Statistical process control, design of experiment) and biostatistics.
- 17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**

| Name of the project | Principal Investigator | Funding agency | National /International | Grants received |
|---------------------|------------------------|----------------|-------------------------|-----------------|
| Inference on non- | Arindam | UGC | National | 2 lakhs |

| | | | | |
|-----------------------------------|------------------|-----|----------|---------|
| standard data | Chakraborty | | | |
| Search and supersaturated designs | Angshuman Sarkar | UGC | National | 2 lakhs |

18. **Inter-institutional collaborative projects and associated grants**
 a) **National collaboration: Nil**
 b) **International collaboration: Nil**
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received: Nil**
20. **Research facility / centre with**
 a) **state recognition : Nil**
 b) **national recognition: Nil**
 c) **international recognition: Nil**
21. **Special research laboratories sponsored by / created by industry or corporate bodies: Nil**
22. **Publications:**
 a) **No. of papers published in peer reviewed journals (national/international): – 62**

| Name of the faculty | National | International |
|---------------------|----------|---------------|
| K. Chatterjee | 3 | 25 |
| S.S. Maiti | 6 | 10 |
| A. Chakraborty | 2 | 6 |
| T. Ghosh | 1 | 5 |
| S. I. Maiti | 0 | 4 |
| S. Mukhopadhyay | 0 | 1 |
| S. Rana | 0 | 4 |

- b) **Monographs: – NA**
 c) **Chapters in Books: – NA**
 d) **Edited Book: - NA**
 e) **Books with ISBN with details of publishers: NA**
 f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): NA**
 g) **Citation Index — range / average: NA**
 h) **SNIP: NA**

- i) **SIR:** NA
- j) **Impact Factor — range / average:** NA
- k) **h-index:** NA

23. **Details of patents and income generated:** Nil

24. **Areas of consultancy and income generated:** Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Three

| Faculty | Laboratories visited (National/ International) |
|----------------|---|
| K. Chatterjee | Perdue University |
| A. Chakraborty | Indiana University, School of Medicine, Indianapolis, USA |
| T. Ghosh | Florida State University, USA |

26. **Faculty serving in**

- a) **National committees:**
- b) **International committees:**
- c) **Editorial Boards:**
- d) **Any other (please specify):**

S.S. Maiti, Member of Board of Studies in a) Burdwan University b) Gaurbanga University

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

| Name of the faculty | Recharging strategies (After 2009) |
|---------------------|-------------------------------------|
| A. Chakraborty | Orientation (2009), Refresher(2011) |
| S.I. Maiti | Refresher(2010) |
| S. Mukhopadhyay | |
| S. Rana | Workshop(2011) |

28. **Student projects:**

- a) **Percentage of students who have done in-house projects including interdepartmental projects:** 80%
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** 20%

29. **Awards / recognitions received at the national and international level by**

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:**

Rajiv Gandhi Fellowship for Doctoral fellows:

i) Sudhir Murmu

DST-INSPIRE Fellowship for Doctoral fellows:

i) Piyali Kundu

c) **Students: Nil**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Organized XII Annual Conference of Society of Statistics, Computer and Applications, on February 24-26, 2010

Organized National Seminar on Application of Statistics in Industry and Planning, during February 25-27, 2012

31. Code of ethics for research followed by the departments: As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG (2010-11) | VB CAT | 07 | 04 | 80% | 75% |
| UG (2011-12) | | 12 | 02 | 100% | 100% |
| UG (2012-13) | | 09 | 02 | 100% | 100% |
| PG (2010-11) | 10 | 03 | 01 | 100% | 100% |
| PG (2011-12) | 08 | 01 | 01 | 100% | 100% |
| PG (2012-13) | 14 | 03 | 04 | 100% | 100% |
| Ph.D (2010-11) | 04 | 02 | 02 | 100% | 100% |
| Ph.D (2011-12) | 03 | 02 | 01 | 0 | 33% |
| Ph.D (2012-13) | 04 | 00 | 00 | 0 | 0 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| BSc 1 | 88 | 10 | 2 | 0 |
| BSc 2 | 90 | 8 | 2 | 0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- a) NET – 01
- b) SET – Nil
- c) Civil Service/ Defence Service – Nil
- d) Other Competitive Examination/Government Service – Nil

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 98 |
| PG to M.Phil. | - |
| PG to Ph.D. | 100 |
| Ph.D. to Post-Doctoral | - |
| Employed | |
| • Campus selection | 20 |
| • Other than campus recruitment | 60 |
| Entrepreneurs | 20 |

36. Diversity of staff:

| | |
|--|-----|
| Percentage of faculty who are graduates 100% | |
| of the same university | |
| from other universities within the State | 85% |
| from universities from other States | 15% |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | |
| Ph.D. | |
| D.Sc. | |
| D.Litt | |

38. Present details of departmental infrastructural facilities with regard to

- a) **Library:** Available
- b) **Internet facilities for staff and students:** Yes, Facilities for all
- c) **Total number of class rooms:** 04
- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** 02
- f) **Research laboratories:** 06

39. **List of doctoral, post-doctoral students and Research Associates:**
 - a) **Doctoral list from the host institution/university –**
 - i) Sutapa Ghosh
 - ii) Piyali Kundu
 - b) **From other institutions/universities – Nil**
40. **Number of post graduate students getting financial assistance from the university: 03**
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** No such new program has been announced
42. **Does the department obtain feedback from**
 - a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Teachers and students discuss in meetings regarding the process of teaching-learning and on the basis of the feedback of the students, teaching methodology is being modified keeping in view the interest of the students.
 - b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** The students verbally communicate with the Head of the Department regarding their attitude to our staff, curriculum and teaching-learning process and it is discussed in the departmental committee and action is taken based on their feedbacks.
 - c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** Alumni and employers do suggest some improvements on the programs offered by the department and these suggestions are taken care of to improve the curriculum.
43. **List the distinguished alumni of the department (maximum 10):**
 - a) Dr. Mahendra Saha, Asstt. Professor, Central University of Rajasthan
 - b) Mr. Sukanta Pramanik, Asstt. Professor, Siliguri College
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

Special Lectures:

 - a) Professor Giri Narasimhan, International Institute of Florida, USA, 2009.
 - b) Profesor Alope Dey, Indian Statistical Institute, Delhi, 2010.
 - c) Professor Asoke K. Nanda, Indian Institute of Science Education Research, Kolkata, 2011.
 - d) Dr. Omkar Prasad Ghosh, National Sample Survery Office, West Bengal(North

Zone), 2013.

45. List the teaching methods adopted by the faculty for different programmes: None
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: None
47. Highlight the participation of students and faculty in extension activities: None
48. Give details of “beyond syllabus scholarly activities” of the department: None
49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: None
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: None
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
 - a) **Strengths :**
 - i) The department achieves the best quality teaching as far as practicable. The teachers devote a lot of time both inside and outside the class to grow conceptual potency within the student.
 - ii) Apart from the research penchant amongst the teachers is always facile activity throughout the year.
 - iii) A strong co-operation and bonding between students and teachers.
 - iv) Utmost attention is given with homely atmosphere to the students since the student population is comparatively small.
 - v) Beyond the usual syllabus, some additional things necessary for job and research (e.g. power point presentation) are also taught.
 - b) **Weaknesses:**
 - i) The department is lacking proper number of teachers as per UGC decorum.
 - ii) Being understaffed causes overloading of classes to the teachers. Henceforth sometimes it is hard to prepare the allocation of the class schedule.
 - iii) Beside accommodation is getting burgeoning problem now a days. Department requires bigger class rooms to accommodate increased number of students.
 - iv) Due to lack of technical staff, laboratory facilities are not properly provided to the students.
 - v) Inadequate research infrastructure.
 - c) **Opportunities:**
 - i) The department can be expanded at its level best. Because of the teaching quality to incline the student towards the greater application field of Statistics the departmental profile can be brim in the fullest.

- ii) The handy knowledge to common statistical packages can be imparted to the common technical people so that they can attain the utilization power of statistical tools.
- iii) The subject has impact on each of the interdisciplinary subjects. So department can take opportunities to interact with others if infrastructural facilities permit.
- iv) Department has scope to conduct inferential study based on complicated phenomena.
- v) There is ample opportunity to get involved in lucrative jobs.

d) Challenges :

- i) Basically all challenges can be marked with the proficient funding. More sophisticated instruments are required for the development of the research laboratories of our department as well as for class room teaching.
- ii) Unawareness of people about the subjects and its opportunities.
- iii) To motivate the students to take this subject to build their career.
- iv) To motivate the students to get involved in research work.
- v) To expose the students into industrial environment and administrative arena.

52. Future plans of the department:

- i) Taking into account the natural growth during the XIIth Plan Period, the faculty strength is expected to increase by 14. Thus, we, require large amount of the space for office rooms and usual common facilities for the faculties.
- ii) We do have regular visitors in this department as several of our faculty members are having collaborations with different universities/laboratories/institutions. Unfortunately, we cannot provide any workable office space to them.
- iii) Moreover, in these days statistics cannot be imagined without computation. So it is very much essential to introduce the computer in each semester of UG and PG courses. This department is working in this direction but handicapped to accommodate all the students because it currently have only two computer laboratories with 11 desktop computers in each. So not only the UG-PG students of Department of Statistics facing problems but also the Ph.D. students and the students of allied subjects and of choice based credit systems are facing serious problem. It really hampers them to getting their desired jobs in Industry.
- iv) In future we try to sort out these problems at the cost of our extreme effort so that students of our department would come out with flying colours in every edge of the society as well as country.

Evaluative Report of the Department of Zoology

1. **Name of the Department :** Zoology
2. **Year of establishment :** 1965
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana (School Of Life Sciences)
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :** UG, PG, Ph.D.
5. **Interdisciplinary programmes and departments involved:** Yes, Department of Chemistry and Department of Botany
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 - a) **National collaboration with other universities, industries and institutions**

| Name of the Investigator | Title of the programme | Funding Agency |
|--|--|----------------|
| Santi P. SinhaBabu (PI) Samir Bhattacharya (Co-PI) | “Isolation, molecular characterization and biological evaluation of anti-diabetic principle(s) from a few Indianmedicinal plants” with Ramachandra Medical University, Chennai and East India Pharmaceutical Works Pvt. Ltd. Kolkata | DST |
| Samir Bhattacharya (CCPI) Surjya Kumar Saikia (Co-Investigator) RakeshKundu (Co-Investigator) | “Stock characterization, captive breeding, seed production and culture of Hilsa (<i>Tenualosailisha</i>)” Collaborative partners: CIFRI, Barrackpore; CIFA, Kalyani Centre; CIBA, Kakdwip; CIFE, Kolkata Centre; NBFGR, Lucknow. | ICAR |
| Samir Bhattacharya (Mission Director) Shelley Bhattacharya (PI) SudiptaMaitra (Program Coordinator) | “North-East exploration for pharmaceutical” (a Plan Period Project for 5 years in collaboration with CSIR-NEIST, Jorhat) | CSIR |

| Name of the Investigator | Title of the programme | Funding Agency |
|--|--|----------------|
| Ansuman Chattopadhyay | “Isolation, characterization and anti-cancer property of endophytic fungal metabolites from North Eastern India” (DBT-TWINING Research Project in collaboration with North Eastern Hill University, Shillong). | DBT |
| Sudipta Maitra | “Attempt to conserve endangered catfishes of Arunachal hill streams by manipulating germ cell maturation”. (DBT-TWINING Research Project in collaboration with Rajiv Gandhi University, Itanagar). | DBT |
| Ansuman Chattopadhyay (PI) Shelley Bhattacharya (Co-PI) | “Polymer based green silver nanoparticle synthesis using plants from northeast India: toxicity and anticancer study”. (DBT-TWINING Research Project in collaboration with Tejpur University, Assam) | DBT |

b) International collaboration

| Name of the Investigator | Title of the programme | Funding Agency |
|--------------------------|--|---|
| Saumen Kumar Maitra | “Fish Farming Development in Nepal (FFDN)” (In collaboration with Norwegian University of Science Technology (NTNU); Fisheries Research Division, Nepal Agricultural Research Council (NARC); Kathmandu University, Aquatic Research Unit (Aquatic Ecology Center); Delhi University and Sweco-Groner) | The Norwegian Ministry of Foreign Affairs |
| Sudipta Maitra | Collaboration with Professor Suraj Unniappan, Department of Biology, York University, Canada for Neuroendocrine Research | - |
| Samir Bhattacharya | Collaboration with Dr. P.P. Banerjee, Georgetown University, Washington DC | |

7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System – Semester System for both UG and PG
9. **Participation of the department in the courses offered by other departments:**
Actively involved in the teaching programs of Integrated Science Education and Research Centre (ISERC)
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|-----------|------------------------------|
| Professor | 02 | 01 | 6 |
| Associate Professors | 03 | 02 | 4 |
| Asst. Professors | 12 | 11 | 4 |
| Others | - | 10 | 10 |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

- a) **Name** : Arun Kumar Ray
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Fish Biology; Aquaculture; Fish Nutrition
No. of Years of Experience : 34 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- b) **Name** : V. C. Joy
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Soil Ecology, Ecotoxicology Environmental Biology
No. of Years of Experience : 33 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- c) **Name** : Panchanan Nath
Qualification : M.Sc., Ph.D.
Designation : Professor
Specialization : Fish Endocrinology and Reproductive

- | | |
|--|---|
| | Physiology of fish |
| No. of Years of Experience | : 32 years |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 02 |
| d) Name | : Saumen Kumar Maitra |
| Qualification | : M.Sc., Ph.D. |
| Designation | : Professor |
| Specialization | : Endocrinology, Reproductive Biology, Chronobiology, Environmental Biology |
| No. of Years of Experience | : 31 years |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 05 |
| e) Name | : Santi Prasad Sinha Babu |
| Qualification | : M.Sc., M.Tech., Ph.D. |
| Designation | : Professor |
| Specialization | : Parasitology, Nematology and Neuropharmacology |
| No. of Years of Experience | : 24 years |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 05 |
| f) Name | : Santanu Ray |
| Qualification | : M.Sc., Ph.D. |
| Designation | : Professor |
| Specialization | : Ecological modelling of mangrove and estuarine systems |
| No. of Years of Experience | : 12 years |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 05 |
| g) Name | : Ansuman Chattopadhyay |
| Qualification | : M.Sc., M.Phil., Ph.D. |
| Designation | : Associate Professor |
| Specialization | : Radiation Genetics and Chemical Mutagenesis |
| No. of Years of Experience | : 17 years |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 06 |

- h) **Name** : Dipak Kumar Mandal
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Fish Chemosensory system, Heavy metal toxicology on fish
No. of Years of Experience : 15 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- i) **Name** : Larisha M. Lyndem
Qualification : M.Sc., Ph.D.
Designation : Associate Professor
Specialization : Parasitology
No. of Years of Experience : 12 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- j) **Name** : Samar Kumar Saha
Qualification : M.A., Ph.D.
Designation : Associate Professor
Specialization : Fish Biology & Fish Pathology
No. of Years of Experience : 14 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 03
- k) **Name** : Sudipta Maitra
Qualification : M.Sc., Ph.D.
Designation : Assistant Professor
Specialization : Fish Molecular Endocrinology and Reproductive Biology
No. of Years of Experience : 09 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 04
- l) **Name** : Surjya Kumar Saikia
Qualification : M.Sc., Ph.D.
Designation : Assistant Professor
Specialization : Aquatic Ecology & Fish Biology
No. of Years of Experience : 04 years
No. of Ph.D./M.Phil. students guided for the last 4 years : 02

- m) Name : Rakesh Kundu
 Qualification : M.Sc., Ph.D.
 Designation : Assistant Professor
 Specialization : Cell Signaling
 No. of Years of Experience : 09 months
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA
- n) Name : Sutapa Mukherjee
 Qualification : M.Sc., M.Phil., Ph.D.
 Designation : Assistant Professor
 Specialization : Molecular Endocrinology
 No. of Years of Experience : 09 months
 No. of Ph.D./M.Phil. students guided for the last 4 years : NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D./ M.Phil. students guided for the last 4 years |
|----------------------|---------------|---|--|----------------------------|--|
| Samir Bhattacharya | M.Sc., Ph.D. | Emeritus Professor | Molecular Endocrinology and Cellular Signaling | 41 years | 3 |
| Shelley Bhattacharya | M.Sc., Ph.D. | NASI Senior Scientist Platinum Jubilee Fellow | Molecular Mechanisms in Environmental Toxicology | 41 years | 4 |

- 13. Percentage of classes taken by temporary faculty — programme-wise :** No temporary faculty are involved
- 14. Programme-wise Student Teacher Ratio :** 10:1
- 15. Number of academic support staff (technical) and administrative sanctioned, filled and actual:** 10 (Two posts of Senior Laboratory Assistants, one Animal Keeper

and two Laboratory attendants are lying vacant.)

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | | | |
| Administrative Staff | | | |
| Others | | | |

16. Research thrust areas as recognized by major funding agencies:

1. Molecular Endocrinology of Fish (thrust area under CAS program of UGC in the Department of Zoology)
2. Environmental Toxicology (thrust area under CAS program of UGC in the Department of Zoology)
3. Molecular Parasitology funded by DBT
4. Fish Biology (thrust area under CAS program of UGC in the Department of Zoology)
5. Environmental Biology (thrust area under CAS program of UGC in the Department of Zoology)
6. Indian Council of Agricultural Research (ICAR), Krishi Bhavan, New Delhi has launched a research network program to resolve the problem of diminished *Hilsa* migration through Indian coast. Department of Zoology has been identified as one of the members in this network.
7. Another important research program has been initiated by the Council of Scientific and Industrial Research (CSIR) under the headings of 'North-East Exploration for Pharmaceutical' (NEEP). Department of Zoology has been recognized by CSIR as one of the participating members.

17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:

Details of Research Grant received during the last five years (2008-2013)

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|---------------------------------|--|-------------------------------------|-----------------------|
| Samir Bhattacharya | "Development of herbal drug for non-insulin dependent Diabetes mellitus" | 50.15 | DBT |
| Samir Bhattacharya | "Chemical Standardization | 25.25 | DST |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|--|--|-------------------------------------|-----------------------|
| | and biological evaluation with a view to increase efficacy of herbal medicines” | | |
| Samir Bhattacharya | “To search anti-diabetic agent from genetically cloned plants” | 10.00 | NCPGR |
| Samir Bhattacharya (CCPI) Surjya Kumar Saikia (Co-Investigator) Rakesh Kundu (Co-Investigator) | “Stock characterization, captive breeding, seed production and culture of Hilsa (<i>Tenualosa ilisha</i>)” | 159.7478 | ICAR |
| Shelley Bhattacharya | “Apoptotic signals in hepatic stem cells : Induction by xenobiotics” | 13.50 | CSIR |
| Shelley Bhattacharya | “Isolation and Purification of C-Reactive Protein from <i>Achatina fulica</i> and Evaluation of its Biochemical and Functional Properties” | 24.00 | DST |
| Samir Bhattacharya (Mission Director) Shelley Bhattacharya (PI) Sudipta Maitra (Program Coordinator) | “North-East exploration for pharmaceutical” (a Plan Period Project for 5 years in collaboration with CSIR-NEIST, Jorhat) | 214 | CSIR |
| Shelley Bhattacharya (PI) Samir Bhattacharya (Co-PI) Ansuman Chattopadhyay (Co- | “Expression of an epigenetically silenced tumor suppressor gene RASSF1A in human cancer cells by Mahanine: A lesson from human | 172.866 | DST |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|--|--|-------------------------------------|-----------------------|
| PI) Sudipta Maitra (Co-PI) | prostate cancer cell study and a promise for human cancer treatment” | | |
| Shelley Bhattacharya (PI) | “Mechanism of toxic action of xenobiotics in rat liver: Liver function disorder, (Autophagy vis-a-vis apoptosis)” | 39.35 | DST |
| Shelley Bhattacharya (PI) Samir Bhattacharya (Co-PI) Sudipta Maitra (Co-PI) | “A flavone glycoside compound isolated from <i>Cajanus cajan</i> induces the expression of bilirubin-ugt gene that reduces cellular bilirubin accumulation in liver cells” | 29.38 | CSIR |
| <u>Arun Kumar Ray</u> | <u>“Enzyme producing microbial symbionts and their use in formulation of plant waste and weed based feeds for carps”</u> | <u>20.37</u> | <u>ICAR</u> |
| <u>Arun Kumar Ray</u> | <u>“Mode of association of autochthonous bacteria in the gastrointestinal tracts of some freshwater fish and their identification”</u> | <u>7.00</u> | <u>UGC</u> |
| <u>Arun Kumar Ray</u> | <u>“Characterization and identification of phytase-producing bacteria from fish gut and their application in formulation of plant-based carp diets”</u> | <u>12.00</u> | <u>CSIR</u> |
| Panchanan Nath | “ <i>In vivo</i> effects of vitellogenin on gonadotropin and estradiol- 7 β in the Indian | <u>14.00</u> | <u>DST</u> |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|---------------------------------|--|-------------------------------------|---|
| | catfish, <i>Clarias batrachus</i> ” | | |
| Panchanan Nath | “Advancement of sexual maturity by vitellogenin in fish: catfish as a model” | <u>11.00</u> | <u>UGC</u> |
| Saumen Kumar Maitra | “Melatonin-Maturation Inducing Hormone (MIH) Interactions in the Regulation of Oocyte-Maturation in an Indian Major Carp <i>Catla catla</i> ” | 11.93 | CSIR |
| Saumen Kumar Maitra | “Processing of Photic Signal in the Pineal Organ and Ovarian Functions in Carp <i>Catla catla</i> ” | 24.38 | DST |
| Saumen Kumar Maitra | “Role of Melatonin in Gonadal Maturation in Indian Carp <i>Catla catla</i> ” | 23.08 | DBT |
| Saumen Kumar Maitra | “Functional Characterization of Gastrointestinal Melatonin in Carp <i>Catla catla</i> ” | 13.42 | CSIR |
| Saumen Kumar Maitra | “Fish Farming Development in Nepal (FFDN)” (In collaboration with Norwegian University of Science Technology (NTNU); Fisheries Research Division, Nepal Agricultural Research Council (NARC); Kathmandu University, Aquatic Research Unit (Aquatic Ecology Center); Delhi University and | 18,400,000 Norwegian Kroner) | The Norwegian Ministry of Foreign Affairs |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|--|---|-------------------------------------|--|
| | Sweco-Groner); | | |
| S.P. Sinha Babu (PI) Sudipta Maitra (Co-PI) | “Acaciaside A from <i>Acacia auriculiformis</i> : a novel compound for the control of bancroftian filariasis” | 45.810 | DBT |
| S.P. Sinha Babu | “Curcumin-a potential compound for the control bancroftian filariasis” | 17.15 | CSIR |
| S.P. Sinha Babu (PI) Samir Bhattacharya (Co-PI) | “Product development of <i>Phyllanthus niruri</i> and <i>Glycine max</i> (L.) Merr., formulation for the management of diabetes and associated complications, its validation, standardization, preclinical and pharmacological evaluation” (In collaboration with Sri Ramachandra University, Chennai and M/s. East India Pharmaceutical Works Ltd., Kolkata) | 65.35 | DST |
| Santanu Ray | “Impact of mangrove detritus on nitrogen based model of detritivorous fish dynamics in Hooghly – Matla estuarine complex” | 10.00 | CSIR |
| Santanu Ray | “Time series and dynamic modeling of plankton organic carbon cycling at the marginal ice edge zone” | | Svalbard Science Foundation in collaboration |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|--|--|-------------------------------------|--|
| | | | with NCAOR, Goa. |
| Ansuman Chattopadhyay (PI) Samar Kumar Saha (Co-PI) | “A highly efficient technique for induced breeding of Indian major carp” | 17.52 | West Bengal Department of Science & Technology |
| Ansuman Chattopadhyay | “Arsenic-induced genotoxicity and modulation of trace elements in mammalian cells” | 6.93 | UGC-DAE Consortium for Scientific Research; Kolkata Centre |
| Ansuman Chattopadhyay | “Isolation, characterization and anti-cancer property of endophytic fungal metabolites from North Eastern India” in collaboration with NEHU; Shillong. | 37.96 | DBT |
| Ansuman Chattopadhyay | “Study of Low Radiation Hypersensitivity (ARS) in mammalian normal and tumor cells”. | 5.00 | IUAC |
| Dipak Kumar Mandal | “Carp culture on the basis of insect food” | 5.54 | UGC |
| Dipak Kumar Mandal | “Effect of mercury on the olfactory organ of an Indian Major carp, <i>Labeo rohita</i> (Hamilton)” | As applicable | UGC-BSR RFSMS (Fellowship to Debasree Ghosh) |
| Dipak Kumar Mandal | “Effect of nonylphenol ethoxylate on the gonadal | As applicable | UGC Rajib Gandhi |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|---|---|-------------------------------------|--|
| | maturation of <i>Labeo bata</i> (Hamilton)” | | Research Fellowship (Fellowship to Koushik Roy) |
| Dipak Kumar Mandal | “Morphological and functional characterization of the olfactory system and olfaction mediated behavioural study on freshwater fish” | As applicable | UGC Rajib Gandhi Research Fellowship (Fellowship to Ishita Samajdar) |
| Larisha M. Lyndem | “An <i>in vitro</i> treatment of medicinal plants of West Bengal on tapeworms” | 7.56 | UGC |
| Samar Kumar Saha | “Reproductive biology of piscine ectoparasite <i>Argulus</i> sp. with special emphasis on vitellogenesis” | 9.31 | UGC |
| Sudipta Maitra (PI) Shelley Bhattacharya (Co-PI) Samir Bhattacharya (Co-PI) | “Molecular mechanism involved In the regulation of perch (<i>Anabas testudineus</i>) oocyte maturation” | 17.64 | DST |
| Sudipta Maitra | “Attempt to conserve endangered catfishes of Arunachal hill streams by manipulating germ cell maturation”. (DBT-TWINING Research Project in collaboration | 35.46 | DBT |

| <i>Name of the Investigator</i> | <i>Title of the project and duration</i> | <i>Amount sanctioned (In Lakhs)</i> | <i>Funding Agency</i> |
|--|---|-------------------------------------|-----------------------|
| | with Rajiv Gandhi University, Itanagar). | | |
| Sudipta Maitra | “Regulation of gonadotropin dependent oocytes maturational competence in catfish <i>Clarius batrachus</i> ” | 6.91 | UGC |
| Surjya Kumar Saikia (PI) Samar Kumar Saha (Co-PI) | “Evaluation of natural feed selectivity and trophic status of rohu (<i>Labeo rohita</i> H.) for periphyton based aquaculture system” | 5.36 | UGC |

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

| Name of the Investigator | Title of the project and duration | Amount sanctioned (In Lakhs) | Funding Agency |
|--|---|---|-----------------------|
| Santi P. Sinha Babu (PI) Samir Bhattacharya (Co-PI) | “Isolation, molecular characterization and biological evaluation of anti-diabetic principle(s) from a few Indian medicinal plants” with Ramachandra Medical University, Chennai and EPIL, Kolkata | 158.56 (65.35 lakhs is the Visva-Bharati component) | DST |
| Samir Bhattacharya (CCPI) Surjya Kumar Saikia (Co-Investigator) Rakesh Kundu (Co-Investigator) | “Stock characterization, captive breeding, seed production and culture of Hilsa (<i>Tenualosa ilisha</i>)” | 159.7478 | ICAR |
| Samir Bhattacharya | “North-East exploration for pharmaceutical” (a Plan Period | 214 | CSIR |

| Name of the Investigator | Title of the project and duration | Amount sanctioned (In Lakhs) | Funding Agency |
|---|--|------------------------------|---|
| (Mission Director) Shelley Bhattacharya (PI) Sudipta Maitra (Program Coordinator) | Project for 5 years in collaboration with CSIR-NEIST, Jorhat) | | |
| Saumen Kumar Maitra | “Fish Farming Development in Nepal (FFDN)” (In collaboration with Norwegian University of Science Technology (NTNU); Fisheries Research Division, Nepal Agricultural Research Council (NARC); Kathmandu University, Aquatic Research Unit (Aquatic Ecology Center); Delhi University and Sweco-Groner) | 18,400,000 Norwegian Kroner) | The Norwegian Ministry of Foreign Affairs |
| Ansuman Chattopadhyay | “Isolation, characterization and anti-cancer property of endophytic fungal metabolites from North Eastern India” in collaboration with NEHU; Shillong | 37.96 | DBT |
| Sudipta Maitra | “Attempt to conserve endangered catfishes of Arunachal hill streams by manipulating germ cell maturation”. (DBT-TWINING Research Project in collaboration with Rajiv Gandhi University, Itanagar) | 35.46 | DBT |

b) International collaboration:

| Name of the Investigator | Title of the project and duration | Amount sanctioned (In Lakhs) | Funding Agency |
|--------------------------|-----------------------------------|------------------------------|----------------|
|--------------------------|-----------------------------------|------------------------------|----------------|

| | | | |
|---------------------|--|------------------------------|---|
| Saumen Kumar Maitra | “Fish Farming Development in Nepal (FFDN)” (In collaboration with Norwegian University of Science Technology (NTNU); Fisheries Research Division, Nepal Agricultural Research Council (NARC); Kathmandu University, Aquatic Research Unit (Aquatic Ecology Center); Delhi University and Sweco-Groner) | 18,400,000 Norwegian Kroner) | The Norwegian Ministry of Foreign Affairs |
|---------------------|--|------------------------------|---|

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

DST - FIST :

- For DST-FIST Level I & II : Rs. 65.00 Lakhs and Rs. 325.00 Lakhs respectively.

UGC - SAP / CAS :

- For CAS-Phase I (01.04.2007-31.03.2012), total grants received = Rs. 70.00 Lakhs
- For CAS-Phase II (01.04.2012-31.03.2017), total grants received up to 31.03.2013 = Rs. 19.70 Lakhs

20. Research facility / centre with

a) **state recognition :** Nil

b) **national recognition:** Recognized as UGC-Centre for Advanced Studies in Zoology (since 2007)

c) **international recognition:** Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies:

- Establishment of radioisotope research laboratory.
- Establishment of cell culture facility.

22. Publications:

a) **No. of papers published in peer reviewed journals (national/international):** – 162

Professor Samir Bhattacharya

Number of papers published in peer reviewed journals (national / international): 10 (National 00; International 10)

Professor Shelley Bhattacharya

Number of papers published in peer reviewed journals (national / international): 19 (National 01; International 18)

Professor Arun Kumar Ray

Number of papers published in peer reviewed journals (national / international): 13 (National 02; International 11)

Professor Panchanan Nath

Number of papers published in peer reviewed journals (national / international): 01 (National 00; International 01)

Professor V.C. Joy

Number of papers published in peer reviewed journals (national / international): 09 (National 00; International 09)

Professor Saumen Kumar Maitra

Number of papers published in peer reviewed journals (national / international): 12 (National 01; International 11)

Professor Santi P. SinhaBabu

Number of papers published in peer reviewed journals (national / international): 13 (National 01; International 12)

Professor Santanu Ray

Number of papers published in peer reviewed journals (national / international): 18 (National 00; International 18)

Dr. Ansuman Chattopadhyay

Number of papers published in peer reviewed journals (national / international): 09 (National 01; International 08)

Dr. Dipak Kumar Mandal

Number of papers published in peer reviewed journals (national / international): 08 (National 01; International 07)

Dr. Samar Kumar Saha

Number of papers published in peer reviewed journals (national / international): 07 (National 00; International 07)

Dr. Larisha M. Lyndem

Number of papers published in peer reviewed journals (national / international): 03 (National 00; International 03)

Dr. Sudipta Maitra

Number of papers published in peer reviewed journals (national / international): 11 (National 00; International 11)

Dr. Surjya Kumar Saikia

Number of papers published in peer reviewed journals (national / international): 16 (National 05; International 11)

Dr. RakeshKundu

Number of papers published in peer reviewed journals (national / international): 09 (National 01; International 08)

Dr. Sutapa Mukherjee

Number of papers published in peer reviewed journals (national / international): 04 (National 01; International 03)

b) Monographs: – 02

- i) **Soumen Kumar Maitra** acted as Guest Editor of “Pineal Gland & Melatonin” issue of *Journal of Endocrinology & Reproduction* (2012). ?
- ii) **Sudipta Maitra**. “Estrogen Receptors” (ISBN 978-3-659-32756-8); Publisher: LAP LAMBERT Academic Publishing, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.

c) Chapters in Books: – 06

Professor Saumen Kumar Maitra

- i) **Soumen Kumar Maitra**. Carp: Habitat, Management and Diseases. Nova Science Publishers, Chapter-1 (ISBN: 978-1-62081-436-9) Inc., New York, USA, 2011
- ii) Indrajit Chowdhury and **Saumen Kumar Maitra**. Melatonin in the Promotion of Health. Published by Taylor & Francis Group, Chapter-1 (ISBN: 978-1-4398-3979-9) Boca Raton, Florida, USA, 2012

Professor Santanu Ray

- i) Joyita Mukherjee, Madhumita Roy, **Santanu Ray**, Phani Bhusan Ghosh and Angshuman Sarkar. Mechanisms of transformation of various forms of carbon and cycling pathways in the Hooghly estuarine system. In: *Estuarines*. Editors: Steve Jordon published by Nova Science publication, Chapter 6 pp. 93–114. (ISBN: 978-1-61942-083-0) NY, USA, 2012.
- ii) **Santanu Ray**. Exergy and its assessment in ecological system. In: *Recent Trends in Zoology with Special Emphasis on Animal Diversity, Fisheries and Genetics*, Editors: L. N. Neogi and S. K. Sou. Published by Levant Books, 2012.

Dr. Ansuman Chattopadhyay

- i) **1182. Vinyl fluoride**. Chattopadhyay A and Podder S (Wexler P) Encyclopedia of Toxicology. 3rd ed. Elsevier (In Press).

- ii) **Transgenic animals: new vista in toxicological research.** Podder S and Chattopadhyay A (Behera K). Advanced Frontier on Biotechnology. Jaya Publishing House, Delhi, India. ISBN: 978-93-82471-55-4.
- d) **Edited Book: 01**
Professor Saumen Kumar Maitra
 Guest Editor of “Pineal Gland & Melatonin” issue of *Journal of Endocrinology & Reproduction* (2012).
- e) **Books with ISBN with details of publishers: 06**
Professor Shelley Bhattacharya and Professor Saumen Kumar Maitra
 Chatteraj, A., Bhattacharya, S. and **Maitra, S. K.** “Photoinduction and Reproduction”. Lambert Academic Publishing, Saarbrücken, Germany, 2011.
Professor Santanu Ray
 Sandip Mandal, Samar Kumar Roy and **Santanu Ray**, An aquatic ecosystem model: Analysis of different states – goal function and mathematical aspects. **Lambert Academic Publishing**, pp- 106. (ISBN 978-3-659-27281-3) Germany, 2012.
Dr. Ansuman Chattopadhyay
 Genotoxicity of fluoride: modulation of endogenous glutathione level. Podder S, **Chattopadhyay A**, Bhattacharya S. 2012. **Lambert Academic Publishing, Saarbrücken Germany.** ISBN: 978-3-8473-4066-9.
Dr. Sudipta Maitra
Sudipta Maitra. “Estrogen Receptors” (ISBN 978-3-659-32756-8); **Publisher: LAP LAMBERT Academic Publishing**, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.
Dr. Surjya Kumar Saikia
S.K. Saikia and D.N. Das. Laboratory hand book on basic ecology (soil, water, plankton and feeding ecology with special mention to periphyton, ISBN 978-1-940366-08-1, Science Publishing House, New York, USA, 2014.
- f) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.): 169**
Professor Samir Bhattacharya : 10
Professor Shelley Bhattacharya : 19
Professor Arun Kumar Ray : 13
Professor Panchanan Nath : 01
Professor V.C. Joy : 09

Professor Saumen Kumar Maitra : 12

Professor Santi P. SinhaBabu : 13

Professor Santanu Ray : 18

Dr. Ansuman Chattopadhyay : 09

Dr. Dipak Kumar Mandal : 08

Dr. Samar Kumar Saha : 07

Dr. Larisha M. Lyndem : 03

Dr. Sudipta Maitra : 11

Dr. Surjya Kumar Saikia : 16

Dr. Rakesh Kundu : 16

Dr. Sutapa Mukherjee : 04

g) Citation Index — range / average:

Professor Samir Bhattacharya : 453

Professor Shelley Bhattacharya : 345

Professor Arun Kumar Ray : 342

Professor Panchanan Nath : 10

Professor V.C. Joy : 80

Professor Saumen Kumar Maitra : 124

Professor Santi P. SinhaBabu : 576

Professor Santanu Ray : 82

Dr. Ansuman Chattopadhyay : 87

Dr. Dipak Kumar Mandal : 33

Dr. Samar Kumar Saha : 16

Dr. Larisha M. Lyndem : 43

Dr. Sudipta Maitra : 148

Dr. Surjya Kumar Saikia : 64

Dr. Rakesh Kundu : 157

Dr. Sutapa Mukherjee : 72

h) SNIP:

Professor Samir Bhattacharya : 4.70-1.063

Professor Shelley Bhattacharya : 1.406-0.966

Professor Arun Kumar Ray : 1.456-0.924

Professor Panchanan Nath : 0.924

Professor V.C. Joy : 1.463-0.536

Professor Saumen Kumar Maitra : 1.276-0.429

Professor Santi P. SinhaBabu : 1.318-0.927

Professor Santanu Ray : 1.808-0.587

Dr. Ansuman Chattopadhyay : 1.183-0.971

Dr. Dipak Kumar Mandal : 1.175-0.84

Dr. Samar Kumar Saha : 1.456-0.924

Dr. Larisha M. Lyndem : 1.318-0.887

Dr. Sudipta Maitra : 4.70-0.996

Dr. Surjya Kumar Saikia : 1.563-1.075

Dr. Rakesh Kundu : 4.70-0.996

Dr. Sutapa Mukherjee : 1.234-0.773

i) SIR:

Professor Samir Bhattacharya : 8.38-1.512

Professor Shelley Bhattacharya : 1.515-0.451

Professor Arun Kumar Ray : 1.053-0.667

Professor Panchanan Nath : 0.667

Professor V.C. Joy : 1.032-0.332

Professor Saumen Kumar Maitra : 1.162-0.243

Professor Santi P. SinhaBabu : 0.992-0.702

Professor Santanu Ray : 0.936-0.387

Dr. Ansuman Chattopadhyay : 1.066-0.689

Dr. Dipak Kumar Mandal : 0.537-0.547

Dr. Samar Kumar Saha : 1.053-0.667

Dr. Larisha M. Lyndem : 0.992-0.57

Dr. Sudipta Maitra : 8.32-0.451

Dr. Surjya Kumar Saikia : 1.063-0.618

Dr. Rakesh Kundu : 8.38-0.451

Dr. Sutapa Mukherjee : 2.723-0.515

j) Impact Factor — range / average:

Professor Samir Bhattacharya : 25.43-3.75

Professor Shelley Bhattacharya : 1.0-4.7

Professor Arun Kumar Ray : 0.79-1.87

Professor Panchanan Nath : 1.422

Professor V.C. Joy : 2.0

Professor Saumen Kumar Maitra : 0.5-5.576

Professor Santi P. SinhaBabu : 0.3-2.852

Professor Santanu Ray : 1.0-2.2

Dr. Ansuman Chattopadhyay : 0.8-5.22

Dr. Dipak Kumar Mandal : 1.0-2.2

Dr. Samar Kumar Saha : 21.98

Dr. Larisha M. Lyndem : 0.981-2.852

Dr. Sudipta Maitra : 1.1-25
Dr. Surjya Kumar Saikia : 0.9-2.2
Dr. Rakesh Kundu : 1.1-25.0
Dr. Sutapa Mukherjee : 1.195-4.651

k) h-index:

Professor Samir Bhattacharya : 18
Professor Shelley Bhattacharya : 16
Professor Arun Kumar Ray : 17
Professor Panchanan Nath : 5
Professor V.C. Joy : 6
Professor Saumen Kumar Maitra : 5
Professor Santi P. SinhaBabu : 13
Professor Santanu Ray : 8.0
Dr. Ansuman Chattopadhyay : 5
Dr. Dipak Kumar Mandal : 2.0
Dr. Samar Kumar Saha : 6
Dr. Larisha M. Lyndem : 01
Dr. Sudipta Maitra : 05
Dr. Surjya Kumar Saikia : 5
Dr. Rakesh Kundu : 4
Dr. Sutapa Mukherjee : 3

23. Details of patents and income generated:

- a) An Indian Patent for a hepatoprotective and anti-jaundice compound, Carniloside, has been applied to the Department of Science & Technology (DST), Govt. of India, New Delhi (0136DEL2010).
- b) A new Vanadium compound showing anti-diabetic activity has been applied for International patent in collaboration with Tezpur University (PCT/IN2011/000386).
- c) A volatile oil from an endemic plant of Assam showing anti-cancer activity on lung cancer cells has been applied for an Indian Patent in collaboration with North-East Institute of Science & Technology, Jorhat Assam (0670DEL2011).

24. Areas of consultancy and income generated: Prof. Santanu Ray - TATA steel (1.0 lakh), C-STEP, Bangalore (1.0 lakh)

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Samir Bhattacharya, Emeritus Professor

- Invited to deliver a lecture in the School of Medicine, East Tennessee State University, USA on August 28, 2013 on the topic “Lipid induced insulin resistance, inflammation and immunity are associated events.”
- Delivered an invited lecture on April, 2009 at the North-East Institute of Science and Technology (A CSIR Institute) on the topic entitled “*Why we should concentrate our effort on Cancer Research?*”
- Delivered an invited lecture on April, 2009 at the Tezpur University on the topic entitled “*Insulino-mimetic activity of a Vanadium Compound VO(O₂)₂ dmpz*”.
- Invited to deliver a lecture in the Platinum Jubilee *Indian Science News Association* on July 9, 2009 at the Bose Institute, Kolkata in the topic entitled “*Confronting the Problems of World Epidemic Disease, Diabetes Mellitus*”
- Delivered an invited lecture on August 12, 2009 at the University of Hyderabad, Hyderabad on the topic entitled “*Molecular Mechanism of Insulin Resistance and type 2 diabetes*”.
- Invited to deliver a lecture on August, 2009 at Tezpur University on the topic entitled “*Trials and Tribulations to Meet the Success in Herbal Medicine*”
- Delivered an invited lecture on October 20, 2009 at the Central Mechanical Engineering Research Institute (CMERI, A CSIR Institute), Durgapur on the topic entitled “*Journey of a normal cell towards abnormality*”.
- Invited to give a Platinum Jubilee lecture in International Conference Integrative Physiology: Modern Perspective and Platinum Jubilee Celebration of Physiological Society of India held at University of Calcutta on November 12, 2009. Title of the lecture was “*Molecular mechanism of lipid induced insulin resistance and type 2 diabetes*”.
- Invited to give a lecture in *INSA Platinum Jubilee International Symposium*” on November 21, 2009 at National Chemical Laboratory (NCL), Pune. Title of the lecture was “*Lipid induced phosphorylation of a protein kinase in insulin target cells causes insulin resistance: C901, a plant based compound, inhibits lipid action*”.
- Invited to give a lecture in 14th AICCG Meeting at Indian Institute of Chemical Biology (IICB), Kolkata on December 1, 2009. Title of the lecture was “*Lipid regulated gene expressions are associated with insulin resistance and type 2 diabetes*”.
- Invited to give a lecture in 42nd Annual Conference of the Indian Pharmacology Society (IPSCON) on December 9, 2009. Title of the lecture was “*Lipid induced insulin resistance: Detection of meaningful targets for therapeutic intervention*”
- Invited to give a lecture in XXXIII All India Cell Biology Conference on December 10, 2009 at University of Hyderabad, Hyderabad. Title of the lecture

was “*Insulin resistance in skeletal muscle cell is orchestrated by lipid induced molecules and its meaningful therapeutic intervention*”.

- Delivered an invited lecture in *CSIR Programme on Youth for Leadership in Science* on January 1, 2010 at the Central Mechanical Engineering Research Institute (CMERI, A CSIR Institute), Durgapur.
- Invited to deliver a lecture in the 6th Asian Network of Research on Antidiabetic Plants (ANRAP) International Seminar on January 15, 2010 at Dhaka, Bangladesh. The title of the lecture was “*Lipid induced deafening of insulin signals leads to insulin resistance and type 2 diabetes: therapeutic interventions by plant based compounds*”.
- Invited to give a lecture in the *International Symposium on Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine* at Jawaharlal Nehru University (JNU), New Delhi on February 5, 2010 and title of the lecture was “*Deafening of insulin signals by lipid*”.
- Delivered the prestigious *N. R. Dhar Memorial Award Lecture* at University of Allahabad on February 6, 2010. The title of the lecture was “*Prospects of plant based chemical compounds in the amelioration of critical diseases like diabetes and cancer*”.
- Invited to give a lecture in the *Colloquium* series at Tata Institute of Fundamental Research (TIFR), Mumbai on February 17, 2010 and the title of the lecture was “*Molecular Mechanism of Insulin Resistance and Type2 Diabetes*”.
- Delivered an invited lecture in the *Series of Lectures in Modern Areas of Life Sciences* on March 13, 2010. The title of the lecture was “*Molecular Mechanism of Insulin Resistance and Type2 Diabetes*”.
- Delivered invited lecture in an International Symposium organized by Korean Endocrine Society (KES) during their Anniversary Meeting from April 29-30, 2011 in Seoul, Korea and the title of the lecture was “*Underlying Mechanism of Insulin Resistance*”.
- Invited by University of Cambridge MRC-LMB, UK to give a “Guest Lecture” on “*Molecular mechanisms of insulin resistance*”, on September 23, 2011.
- Invited to deliver a lecture in an International Symposium on “Recent Trends in Cellular and Molecular Signaling” which was held at NEST, Shankarpur, West Bengal from December 25-27, 2011. The title of the lecture was “*Fetuin-A: A new member in the family of insulin activity regulators*”.
- Indian National Science Academy (INSA), New Delhi organized a Symposium on “Discovery of Medicine: Involvement of North-East” during 77th Anniversary Meeting which was held at Tezpur University, Assam on December 30, 2011. The title of the lecture was “*Innovative alteration of a metal converts it for disease*”.

amelioration".

- "Wonders in Science" INSPIRE Science Camp, DST, Govt. of India organized by NIT Durgapur during June 26-30, 2011.
- "How to enjoy science? A lecture given to the students under the program of Indian Academy of Science held at Burdwan Raj College, Burdwan on August 16, 2011.
- "What can you do for cancer?" at Cachar Cancer Hospital and Research Centre. Silchar, Assam on September 7, 2011.
- One day seminar program organized by the National Academy of Science, India which was held at Sarat Sadan, Howrah on November 16, 2011. The title of the lecture was "Enjoy Science".
- Invited to deliver Lecture at the National Centre for Cell Science, Pune on July 27, 2012.
- Invited to deliver Lecture at the Indian Institute of Technology, Roorkee on August 01, 2012.
- Participated in the 3rd Indian National Seminar on Prevention & Management of Diabetes: Prospects & Challenges at R.G. Kar Medical College, Kolkata held from September 14–16, 2012.
- Delivered an Invited Lecture in the Annual Meeting of the Society of Biological Chemists at Science City, Kolkata on November 08, 2012.
- Delivered Keynote Lecture in the Annual Meeting of the Association of Physicians of India (APICON) held at Jorhat, Assam during December 21–22, 2012.
- Delivered lecture in the Annual Meeting of the Indian National Science Academy jointly organized by NCL and IISER, Pune during December 27–29, 2012.
- Delivered Keynote Lecture at "Animal, Veterinary and Fisheries Sciences" section of the 100th Indian Science Congress held in Kolkata on January 06, 2013.
- Organized and delivered a lecture at the International Symposium on Molecular Signaling in the Department of Zoology, Visva-Bharati, Santiniketan during February 18–21, 2013.

Shelley Bhattacharya, NASI Senior Scientist Platinum Jubilee Fellow

- Invited to deliver a lecture in the School of Medicine, East Tennessee State University, USA during August 2013.
- Delivered lecture on Children's Exposure to Arsenic through Breast Milk Pathway Invited lecture delivered at TRAC 2009, Toxicology and Risk Assessment from the Trenches April 27-30, 2009, Cincinnati, Ohio, USA.
- Delivered lecture on Apoptosis as a General Biomarker of Toxicity Stress in

Animals. Shelley Bhattacharya, Soumik Agarwal, and Atish Ray. Recent Trends in Life Science Researches vis-a-vis Natural Resource Management, Sustainable Development and Human Welfare, Vinoba Bhave University, Hazaribagh, June 27-29, 2009.

- Delivered lecture on Your Environment delivered on August 12, 2009 at the DST INSPIRE Internship Camp, 2009, Visva Bharati, August 9-14, 2009.
- Delivered lecture on Mechanism of Arsenic Toxicity in Fish. International Conference on Integrative Physiology: Modern Perspective and Platinum Jubilee Celebration of Physiological Society of India. November 12-14, 2009.
- Chairperson in Oration Lecture Session IV International Conference on Integrative Physiology: Modern Perspective and Platinum Jubilee Celebration of Physiological Society of India. Nov 12-14, 2009.
- Delivered lecture on Metallothionein sensitivity in *Lampito mauritii* exposed to Pb, Zn and fly ash Sulata Maity, Shelley Bhattacharya and Shibani Chaudhury IInd National Seminar on Earthworm Ecology and Environment and IXth National Symposium on Soil Biology and Ecology. Palli Siksha Bhavana, Visva Bharati, Santiniketan, November 21-23, 2009.
- Chairperson: Session 3- Soil Ecology and Eco-toxicology. IInd National Seminar on Earthworm Ecology and Environment and IXth National Symposium on Soil Biology and Ecology, Palli Siksha Bhavana, Visva Bharati, Santiniketan, November 21-23, 2009.
- Delivered lecture on Arsenic trioxide induced caspase mediated death in rat hepatocyte: A self signal amplification loop. Fogarty International Workshop on Molecular Epidemiology, Environmental Health and Arsenic Exposure Assessment. December 1-4, 2009.
- Delivered lecture on In vivo and in vitro expressions of arsenic toxicity in rat liver. 14th All India Congress of Cytology and Genetics at Indian Institute of Chemical Biology, Kolkata December 1-4, 2009.
- Delivered lecture: The Path to Success of Nation-Building: Ushering Creativity in Education. Workshop on “Creativity and Education” at Ramakrishna Mission Institute of Culture, Kolkata November 14-15, 2009.
- Delivered lecture: The Perils of Human Civilization: An Environmental Analysis Shelley Bhattacharya, Surrendra Paul Lecture, Ramakrishna Mission Institute of Culture, Dec. 29, 2009.
- Chairperson: Plenary Lecture given by Paul Rose, BBC Correspondent and also Chaired the Session I : Climate Change and Biodiversity, International Conference on Global Climate Change (ICGCC-2010), February 19-21, 2010, Organized by Centre for Environmental Studies and Integrated Science Education and Research,

Visva Bharati.

- Presidential Address delivered in the Inauguration Ceremony of a Series of Lectures in Modern Areas of Life Sciences Department of Botany, Visva Bharati, March 13, 2010.
- Chairperson in Technical session –III, Genetic Diversity, National Conference on Biodiversity & Natural Resource Utilization, Department of Botany, Visva Bharati, March 15, 2010.
- Basic elements of research leading to good publications. Invited Lecture NASI (Varanasi Chapter) Workshop on Writing Research Papers, BHU, Varanasi, June 10-11, 2011.
- Invited lecture; Environmental pollution; INSPIRE programme held at Dibrugarh University, Assam, July 20-22, 2011.
- Symposium on Recent Trends in Cellular & Molecular Signalling, December 25-27, 2011. Chaired the Session on- Molecular regulators of signaling processes on December 25, 2011. Invited lecture on Carbaryl Signals Apoptosis through Caspase Independent AIF mediated pathway.
- Platinum Jubilee Award Lecture on Acetylcholinesterase inhibition and detection of Acetylcholinesterase agents in water samples in the Section of Environmental Science at 99th Indian Science Congress, Bhubaneswar.
- Stress signals in Adult Stem Cells: Induction of Apoptosis by Carbaryl is mediated by a Caspase Independent AIF mediated pathway, AOSCE, Malaysia, March 3-7, 2012.
- Delivered Invited Lecture on Environmental Toxicology: Emerging Paradigms at Workshop on “Defining the role of women scientists and teachers in promotion and application of science and technology”, organized by NASI, Allahabad from October, 5–6, 2012.
- Delivered Invited Lecture on Advent of Animal Biotechnology and its Future Prospects at National Seminar organized by Indian Woman Scientist Association NASI, Allahabad on February 06, 2013.
- Delivered Invited Lecture on Generation and culture of adult rat hepatic stem cells: An alternate methodology for toxicological studies at National Seminar organized by Indian Woman Scientist Association NASI, Allahabad on February 06, 2013.
- Delivered Invited Lecture on Expression paradigms of pesticide toxicity in fish: Remembering Rachel Carson, at National Seminar on Echoes of Silent Spring: Human Impact on Environment, organized by the Department of Environmental Studies, Visva-Bharati, Santiniketan on March 09, 2013.
- Delivered Invited lecture (R. P. Chaudhuri Endowment Lecture) on Expression of

Xenobiotics Toxicity: Paradigms in Fish. at the Department of Zoology, Guwahati University, Guwahati 781014, Assam on March 20, 2013.

- Presented Paper: Sandip Mukherjee, Soma Barman, Shuvasree Sarkar, Narayan Chandra Mandal, Shelley Bhattacharya, “Anti-bacterial effect of C-reactive protein isolated from *Achatina fulica* (Bowdich)” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Sarmishtha Chatterjee, Ansuman Chattopadhyay, Shelley Bhattacharya, “Autophagy in rat hepatocytes is induced by mercury at a low concentration” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Shuvashree Sarkar, Sandip Mukherjee, Ansuman Chattopadhyay, Shelley Bhattacharya, “Arsenic induced changes in brain AChE profiles in *Danio rerio*” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Ritu Srivastava, Archya Sengupta, Sandip Mukherjee Sarmishtha Chatterjee, Muthammal Sudarshan, Anindita Chakraborty, Shelley Bhattacharya, Ansuman Chattopadhyay, “Effect of arsenic on Keap1-Nrf2 signaling pathway with reference to antioxidant responsive element driven genes related to glutathione metabolism in mouse liver *in vivo*” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Sandip Mukherjee, Shuvasree Sarkar, Sarmishtha Chatterjee and Shelley Bhattacharya, “*In vivo* lead hepatotoxicity in mice is reversed by a molluscan C-reactive protein purified from *Achatina fulica* (Bowdich)” at the 52nd Annual Meeting of the Society of Toxicology (SOT), held in San Antonio, Texas from March 10–14, 2013.

Professor Arun Kumar Ray

- Participated in the 9th Asian Fisheries and Aquaculture Forum in Shanghai, China on April 21 to 25, 2011 and presented paper.
- Delivered plenary lecture in the National Seminar on “Advances in Zoology and Life Processes” organized by Department of Zoology, Goa University, Goa on February 9 to 11, 2012.
- Delivered lead paper in the National Seminar on “Safe Food for All” organized by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan held on February 21-23, 2012.

- Delivered lecture as Invited Speaker on the topic entitled “Improvement of nutritive value of sesame (*Sesamum indicum*) oilseed meal in formulated diets for rohu, *Labeo rohita* (Hamilton) fingerlings after fermentation with two phytase-producing bacterial strains isolated from fish gut” in the National Workshop on Application of Solid State Fermentation Technology in Aquaculture held in the Central Institute of Freshwater Aquaculture (ICAR), Bhubaneswar on May 29, 2012.
- Delivered lectures as a Resource Person on the topics entitled (1) “Nutritional enrichment of plant ingredients by solid state fermentation with cellulase- and phytase-producing fish gut bacteria” and (2) “Microbiota associated with fish gut: A probiotic approach” in the ICAR sponsored Winter School on “Sustainable Fish Feeds and Nutraceuticals to grow health promoting fish” held in the Central Institute of Freshwater Aquaculture (ICAR), Bhubaneswar on February 4, 2013.

Professor V.C. Joy

- Presented paper: Roy, S. and Joy, V.C. 2009. Impact of litter quality on the feeding and assimilation efficiency of detritivore soil arthropods. 16th West Bengal Science Congress, Univ. of Burdwan, Feb. 28-March, 01 2009.
- Presented paper: Roy, G., Chakraborty, Y. and Joy, V.C. 2009. Effect of coal ash application on the growth and metabolism of beneficial soil microflora in red laterite soil. II National Seminar on Earthworm Ecology and Environment & IX National Symposium on Soil Biology and Ecology, 21-23 Nov. 2009, Sriniketan.
- Presented paper: Sahana, A. and Joy, V.C. 2009. Ecotoxicity of coal fly ash on the growth and reproduction of soil microarthropod *Cyphoderus javanus* Börner (Collembola: Insecta). II National Seminar on Earthworm Ecology and Environment & IX Nat. Symp. on Soil Biology and Ecology, 21-23 Nov. 2009, Sriniketan.
- Presented paper: Roy, S. and Joy, V.C. 2009. Ecological suitability of forest tree leaf litters for improving edaphic characteristics in afforested ecosystems. II National Seminar on Earthworm Ecology and Environment & IX Nat. Symp. on Soil Biology and Ecology, 21-23 Nov. 2009, Sriniketan.
- Presented paper: Joy, V.C. Invited Lecture: Soil microarthropods for safe utilization of fly ash in agro-ecosystems. National workshop on Use of vermicomposted fly ash in agriculture. Institute of Agriculture, Visva-Bharati, Sriniketan. 26 May, 2011.
- Presented paper: V.C. Joy, G. Roy, “Problems and prospects of fly ash utilization in laterite agricultural soil” in the Golden Jubilee Seminar on Advances in Agricultural Research Towards Food Security and Environmental Sustenance held

at the Institute of Agriculture, Visva-Bharati, Sriniketan during September 1–3, 2012.

- Presented paper: A. Sahana, V.C. Joy, “Comparison of sub-lethal toxicity of coal fly ash in laterite agricultural soil using antioxidant and stress enzyme parameters in *Cyphoderus javanus* Börner (Collembola)” in the Golden Jubilee Seminar on Advances in Agricultural Research Towards Food Security and Environmental Sustenance held at the Institute of Agriculture, Visva-Bharati, Sriniketan during September 1–3, 2012.
- Presented paper: A. Sahana, V.C. Joy, “Oxidative stress responses in Collembola (Insecta) for ecotoxicological evaluation of soil pollution”, at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.

Professor Panchanan Nath

- Invited Lecture on “Evidences for the duality of gonadotropin in walking catfish, *Clarias batrachus*” In: International Conference on Integrative Physiology: Modern perspective & Platinum Jubilee Celebration of the Physiological Society of India, p107, Science City Convention Centre, Kolkata (November 12-14, 2009).
- Presented paper: Sarkar S, and Nath P (2009) Biological neutralization of LH activity by using its antiserum in catfish, *Clarias batrachus* In: National Symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances, p174, Department of Zoology, The Institute of Science, Mumbai.
- Presented paper: Bhattacharya, D. and Nath P (2009) In vitro induction of oocyte maturation by catfish vitellogenin 2, In: National Symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances, p175, Department of Zoology, The Institute of Science, Mumbai.
- Delivered a lecture on Vitellogenin influences catfish (*Clarias gariepinus*) body weight gain. in: International Symposium on Comparative Endocrinology and Stress Physiology, Department of Zoology, University of Kerala, Thiruvananthapuram (February 16-18, 2012).
- Invited Lecture: Duality of gonadotropins in Indian catfish, *Clarias batrachus*. In: International Symposium on Comparative Endocrinology and Stress Physiology, Department of Zoology, University of Kerala, Thiruvananthapuram February 16-18, 2012.

Professor Saumen Kumar Maitra

- Participated and delivered an Invited lecture in the International Conference on Novel Updates in Reproductive Biology and Comparative Endocrinology held at

University of Hyderabad, during January 19-21, 2009.

- Delivered two lectures in the Refresher Course in Life Sciences in the Department of Zoology, Utkal University, Bhubaneswar on 19th February, 2009.
- Participated, delivered an Invited lecture and Chaired a Scientific Session in the Symposium on Functional Biology: Comparative Aspects held in the Department of Zoology, University of Lucknow, Lucknow, India during 19th- 21st March 2009.
- Delivered a n Invited lecture and Chaired a Scientific Session in the “International Conference on Frontiers in Biomedical Sciences” held at Holly Cross College, Trichurapalli, August 26-28 2009.
- Delivered an Invited lecture in the Symposium on ‘Recent advances in Fish Reproduction’ held in the Department of Zoology Madras Christian College (Autonomous), Chennai during 28th-29th October 2009.
- Delivered an Invited lecture and Chaired a Scientific session in the “International Conference on Integrative Physiology: Modern Perspective & Platinum Jubilee Celebration of the Physiological Society of India” held during 12-14th November, 2009 at Science City Convention Centre, Kolkata.
- Delivered a State of the Art Lecture in the “National Symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances” held in the Department of Zoology, The Institute of Science, Mumbai during 17th – 19th December 2009.
- Delivered a plenary lecture at the “Sixth Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology (AOSCE)” held at Massey University, Palmerston North, New Zealand from 19 to 22 January 2010.
- Delivered Presidential Address and Chaired a Scientific Session in “International Symposium on Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine” held in Jawaharlal Nehru University, New Delhi during February 4-6, 2010.
- Chaired a Scientific Session in “International Conference on Reproductive Health & 20th Annual Meeting of ISSRF” held in Department of Zoology, University of Rajasthan, Jaipur during February 8-10, 2010.
- Delivered a series of lectures for Graduate students on course B13020 in Advanced Physiology at the Department of Biology, Norwegian University of Technology and Science (NTNU), Trondheim, Norway during 10-15 May, 2010.
- Delivered a lecture in *DST-Sponsored INSPIRE Program* in Visva-Bharati, Santiniketan during 26-30 July, 2010.
- Delivered an Invited lecture in the Department of Biotechnology, Utkal University, Bhubaneswar during 7-8 September, 2010.

- Acted as Coordinator in a Session of CSIR-Sponsored Workshop on ‘Creativity in Education’ held at Ramakrishna Mission Institute of Culture, Kolkata during 27-28 November 2010.
- Delivered an Invited lecture in the Department of Zoology, University of Calcutta, Kolkata on 15th December 2010.
- Delivered an Invited lecture and Chaired a Scientific Session in the Physiology Section during 98th Session of Indian Science Congress held at SRM University, Chennai from January 3 to 7, 2011.
- Delivered an Invited lecture in the Department of Endocrinology, PG Institute of Basic Medical Sciences, University of Madras, Taramani, Chennai on 06 January, 2011.
- Delivered Presidential Address and Chaired a Scientific Session in “*International Symposium on Current Trends in Endocrine and Reproductive Health and 29th Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology*” held in Mysore University, Mysore during 10-12 February 2010.
- Delivered an Invited lecture in the Department of Zoology, School of Life Sciences, Bharathiar University, Coimbatore, Tamilnadu on 16th February, 2011.
- Delivered an Invited lecture and Chaired a Scientific Session in the *XXII National Symposium on Chronobiology*, held in Kurukshetra University, Kurukshetra during 15-17 March 2011.
- Delivered an Invited lecture in an *International Brainstorming Meet on Recent Advances in Fish Reproductive Physiology* held in the Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar on 16 August, 2011.
- Delivered an Invited lecture and Chaired a Scientific Session in the Physiology Section during 98th Session of Indian Science Congress held at SRM University, Chennai from January 3 to 7, 2011.
- Acted as Resource person and delivered a lecture in “International Brainstorming Meet on Recent Advances in Fish Reproductive Physiology”, held at Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar - 751 002 on 16 August, 2011.
- Delivered an Invited lecture in a Symposium under the auspices of UGC–SAP program in the Department of Zoology, University of Udaipur, Rajasthan on 29th and 30th September 2011.
- Delivered an Invited lecture in the sponsored National Level Seminar on Recent Trends in Zoology held in Jadavpur University on 2nd December, 2011.
- Delivered lecture in DST-Sponsored Innovation in Science Pursuit for Inspired Research (INSPIRE) Program in Visva-Bharati, Santiniketan during 12-16 December, 2011.

- Delivered lectures in DST-Sponsored Innovation in Science Pursuit for Inspired Research (INSPIRE) Program in Tripura University, Agartala, Tripura during 17-21 January, 2012.
- Delivered Presidential Address and Chaired a Scientific Session in “National Conference on Novel Aspects and Emerging Trends in Reproduction and Endocrinology & 30th Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology” held in Udaipur University, Udaipur during 30 January- 01 February 2012.
- Delivered a Plenary talk and Chaired a Scientific Session in the National Seminar on Advances in Zoology & Life Processes held in the Department of Zoology, Goa University, Goa during 09-11 February 2012.
- Delivered a State-of-the Art Lecture and Co-chaired a Scientific Session in the 7th Congress of the Asia-Oceania Society for Comparative Endocrinology held in Kuala Lumpur, Malaysia during 03-07 March 2012.
- Delivered lecture in Science Academies’ Lecture Workshop “Emerging Paradigms in Life Sciences” in Visva-Bharati, Santiniketan during November 19–20, 2012.
- Delivered lecture in DST-Sponsored Winter Camp under its Innovation in Science Pursuit for Inspired Research (INSPIRE) Program in Visva-Bharati, Santiniketan during December 10–14, 2012.
- Acted as a member of the National Advisory Committee, delivered an Invited Lecture and Chaired a Scientific Session in the International Conference ‘Global Meet of Biologists’, held in IICT Hyderabad during December 26–28, 2012.
- Delivered plenary talk in the International Workshop on Fish Farming in Nepal held in Kathmandu, Nepal during January 25–26, 2013.
- Delivered Presidential Address and Chaired a Scientific Session in ‘National Conference on Endocrinology and Reproduction: Innovative in Reproductive Biotechnology’ and 31st Annual Meeting of the Society for Reproductive Biology & Comparative Endocrinology” held in Karnataka University, Dharwad during February 11–13, 2013.
- Delivered an Invited Lecture in the Faculty Improvement Program in the Department of Zoology, Ranchi University on March 19, 2013.

Professor Santi Prasad Sinha Babu

- Participated and presented papers at the 21st National Congress of Parasitology held at the Department of Zoology, Punjab University, Chandigarh during November 14-16, 2009 (The paper entitled “ Doxycycline and its possible role in the control of lymphatic filariasis” presented by Smt. P. Gayen, SRF (CSIR) awarded the best oral presentation).

- Nayak, A., Gayen, P., Saini, P., Maitra, S. and Sinha Babu, S.P. Albendazole-induced apoptosis in *Setaria cervi*. Presented at the 22nd National Congress of Parasitology held at the Dept. of Zoology, Kalyani University, Kalyani during October 30 to November 1, 2010.
- Saini, P., Nayak, A., Gayen, P., Maitra, S., Brahmachari, G. and Sinha Babu, S. P. Antifilarial activity of acaciaside A. Presented at the 22nd National Congress of Parasitology held at the Dept. of Zoology, Kalyani University, Kalyani during October 30 to November 1, 2010.
- Gayen, P., Nayak, A., Saini, P. and Sinha Babu S.P. Curcumin and its possible role in the control of lymphatic filariasis. Presented at the 22nd National Congress of Parasitology held at the Dept. of Zoology, Kalyani University, Kalyani during October 30 to November 1, 2010.
- Saini, P., Nayak, A., Gayen, P. Maitra, S., Brahmachari, G. and Sinha Babu, S.P. Isolation of acaciaside A from *Acacia auriculiformis* and its potential role in the control of lymphatic filariasis. Presented at the National Conference on “Emerging Trends in Natural Product Research” held at the School of Natural Product Studies, Jadavpur University, Feb. 12-13, 2011.
- Nayak, A. Gayen, P., Saini, P. and Sinha Babu, S.P. Curcumin induces apoptosis in *Setaria cervi*. Presented at the National Conference on “Emerging Trends in Natural Product Research” held at the School of Natural Product Studies, Jadavpur University, Jadavpur during February 12-13, 2011.
- Presented papers in 23rd National Congress of Parasitology, Anna University, Chennai, November 18-20, 2011.
- Delivered invited talk at recent trends in cellular and molecular signaling held at Shankarpur, Digha during December 25-27, 2011.
- Presented papers in 12th congress of the International Society for Ethnopharmacology held at Science City, Kolkata during Feb 17-19, 2012.
- Delivered lecture at the 5th Asean Congress of Tropical Medicine and Parasitology on “Improved efficacy of anti-*Wolbachia* antibiotic by albendazole: a new approach for the control of bancroftian filariasis”, held at University of Philippines, Manila during May 15–17, 2012.
- Presented paper: Prasanta Saini, Niladri Mukherjee, Suprabhat Mukherjee, Priya Roy, Santi P. Sinha Babu, “Molecular evidence of ursolic acid-induced apoptosis in the filarial worm *Setaria cervi* ” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented paper: Niladri Mukherjee, Prasanta Saini, Suprabhat Mukherjee, Priya Roy, Santi P. Sinha Babu, “Resveratrol, a possible remedy towards lymphatic

filariasis: A molecular and biochemical study” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.

- Presented paper: Suprabhat Mukherjee, Rakesh Kundu, Prasanta Saini, Niladri Mukherjee, Sandip Mukherjee, Samir Bhattacharya, Santi P. Sinha Babu, “Filarial parasite activates macrophage through Toll-like Receptor (TLR4)-mediated signaling pathway” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.

Professor Santanu Ray

- National Symposium on Dimensions of Animal Science Researches and Human Need – 7 September to 9 September, 2009, Presidency College, Kolkata.
- National Symposium on Theoretical and Mathematical Biology – 10 October to 11 October, 2009 – IISER, Pune.
- National Symposium on Impact of Climate Change on Aquatic Ecosystems – 18 February to 19 February, 2010 – Cochin University of Technology and Science, Cochin, Kerala.
- Biodiversity and its conservation - 5 March to 6 March, 2010 – P G Department of Zoology, Jamshedpur Women’s College, Jamshedpur.
- Workshop and Symposium on Mathematical Ecology – IISER, Kolkata, 14 December 2010.
- National Seminar on Science and Nature: Tagore’s vision and its relevance – 12 March – 13 March, 2011, Siksha Bhavana, Visva-Bharati, Santiniketan.
- One day seminar on ecological modeling – 7 January, 2011 – Graduate School of Engineering, Yamaguchi University, Ube, Japan.
- Editorial training workshop for the journal editors nationwide (participated as keynote speaker) – 16 June 2011 - China population resources and environment, Qingdao, China, 15 June, 2011.
- International conference on mangroves for coastal area management – 7 August to 10 August 2011 - M. S. Swaminathan Research Foundation, Chennai, India.
- The 18th Biennial conference of International Society for ecological modeling for global change and coupled human and natural systems – Beijing, China, 20 September to 23 September, 2011.
- National seminar on Global warming – Burdwan Raj College, India, 23 November to 24 November, 2011.
- DST-INSPIRE Internship summer Camp – ISERC, Visva-Bharati, Santiniketan, 12 of 16 December, 2011.

- National seminar on Recent trends in zoology with special emphasis on animal diversity, fisheries and genetics – Kulti College, India, 28-29 November, 2011.
- Impact of climate change on mangrove ecosystem in South Asia – Inception workshop, Colombo, Sri Lanka, 16 January to 18 January, 2012.
- National seminar on Biodiversity and its Conservation – Motijheel College, Kolkata, 7-8 Feb., 2012.
- Ecosystem and Biodiversity: Bank of Natural Capital – The graduate school, college for women, Jamshedpur, 27 March, 2012.
- Participated in ‘Biodiversity and sustainability vis-à-vis economic development in the Northern parts of West Bengal’ held in Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur, from August 26–27, 2012.
- Participated in the 4th International Ecosummit– ‘Ecological Sustainability – Restoring the planet’s ecosystem service’ held in Columbus, Ohio, USA, from September 30 to October 05, 2012.
- Acted as Resource Person for Refresher Course, Academic Staff College, Burdwan University, Burdwan, held on November 07, 2012.
- Keynote Speaker at the International Workshop on Ecological Modeling of Low Carbon Cities and International Society of Ecological Modeling–Pacific chapter meeting; delivered lecture on “Estimation of sustainability of an industrialized area using carbon cycle model”, during March 19–20, 2013.

Dr. Ansuman Chattopadhyay

- Podder A, Bhattacharya S, Chattopadhyay A, Roy MR. In vivo genotoxic effects of fluoride in mammalian cells. 2nd International Conference on Ecotoxicology and Environmental Sciences, Organized by Institute of Ecotoxicology and Environmental Sciences, December 14-16, 2009, Jadavpur University, Kolkata.
- Podder A, Bhattacharya S, Chattopadhyay A, Roy MR. Fluoride induced in vivo genotoxicity in mouse bone marrow cells. Golden Jubilee International Seminar Research in Zoology – Basic and Applied Organised by Department of Zoology, The University of Burdwan March 17-19, 2010., Burdwan.
- Chaired session at the National Seminar on Biodiversity Resources: Applications and Conservation – 11-12 December, 2010 Homi Bhabha Centre for Science Education, TIFR, Mumbai.
- Presented papers in 3rd International Conference on Ecotoxicology & Environmental Sciences, November 28-30, 2011, Panaji, Goa- 403001.
- Presented paper on Fluoride induced histopathology, genotoxicity and synthesis of stress protein in mice. Symposium on Recent Trends in Cellular and Molecular Signalling, December 25-27, 2011. Sankarpur, Digha.

- Presented paper on Fluoride induced hepato-nephrotoxicity and synthesis of stress protein in mice. National Seminar on “Emerging trends in biophysical researches” September 12-13. 2011 Ramananda College, Bishnupur.
- Presented Paper: Ritu Srivastava, Archya Sengupta, Sandip Mukherjee, Sarmishtha Chatterjee, Muthammal Sudarshan, Anindita Chakraborty, Shelley Bhattacharya and Ansuman Chattopadhyay. “Effect of arsenic on Keap1-Nrf2 signaling pathway with reference to antioxidant responsive element driven genes related to glutathione metabolism in mouse liver *in vivo*” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Sarmishtha Chatterjee, Ansuman Chattopadhyay and Shelley Bhattacharya. “Autophagy in rat hepatocytes is induced by mercury at a low concentration” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Shuvashree Sarkar, Sandip Mukherjee, Ansuman Chattopadhyay and Shelley Bhattacharya. “Arsenic-induced changes in brain AChE profiles in *Danio rerio*” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Debdip Mukhopadhyay and Ansuman Chattopadhyay. “Expression of toxicological biomarker genes related to oxidative stress in fluoride-treated adult zebrafish (female) liver” at the International Symposium on Molecular Signaling organized by the Department of Zoology, Visva-Bharati, Santiniketan from February 18–21, 2013.
- Presented Paper: Ritu Srivastava, Archya Sengupta, Sandip Mukherjee, Muthammal Sudarshan, Anindita Chakraborty, Shelley Bhattacharya and Ansuman Chattopadhyay. “Effect of arsenic on Keap1-p62-Nrf2 signaling pathway with reference to antioxidant responsive element-driven genes related to glutathione metabolism in mouse liver *in vivo*” at the Thematic Orientation Workshop on Trace Element Analysis and Radiological Sciences, held at Manipur University, Imphal, from March 12–14, 2013.

Dr. Dipak Kumar Mandal

- Paper presented in ‘8th Indian Fisheries Forum’ held at Kolkata from November 22-26, 2008.
- Paper presented in International conference on ‘Mother Earth: Save it for Future generation’ held at Environmental Science Department, Burdwan University from

February 13-15, 2010.

- Paper presented in Golden Jubilee International conference on ‘Researches in Zoology- Basic and Applied’ held at the Department of Zoology, Burdwan University from March 17-19, 2010.
- Presented paper in the UGC sponsored National level Seminar on “Recent Trends in Zoology with special emphasis on animal diversity, fishery and genetics” at Kulti College, Burdwan from 28-29 November 2011.
- Paper presented in ‘International level Seminar on the Problems and Prospects in Aquaculture’ at Vidyasagar University during March 1–3, 2013.

Dr. Larisha M. Lyndem

- Suman Kundu and L.M.Lyndem (2010).” An in vitro study of the medicinal plants of West Bengal on the cestode parasite *Raillietina tetragona*. Golden Jubilee International Seminar Researches in Zoology – Basic and Applied, University of Burdwan March 17-19, 2010, Burdwan.
- Presented a paper ‘Anticestodal effect of medicinal plants from West Bengal’ at 22nd National Congress of Parasitology, October 30-November 01, 2010. University of Kalyani, West Bengal.
- Presented a paper ‘Anthelmintic effect of Cassia plant on the cestode parasite *Raillietina tetragona*’ at the International Seminar on Recent trends in Zoology on March 8th 2011 at Jhargram Raj College, West Bengal.
- Presented a paper ‘Comparative *in vitro* anthelmintic efficacy of Cassia plant extracts on the helminths of fowl intestine’ at 12th International congress of Ethnopharmacology 17-19 February 2012 at Jadavpur University, Kolkata.
- Presented a paper ‘Structural studies on the integument of *Hymenolepis diminuta* after in vitro treatment with Cassia plant extracts’ at the 23rd National Congress of Parasitology, 18-20 November 2011 at Anna University Chennai.
- Presented paper “An in vitro broad spectrum anthelmintic potential of three Cassia plants on different intestinal helminthes” at National Conference on Utilisation of plant and Microbial resources held at Department of Botany, Visva-Bharati during March 17-18 2012.
- Research scholars participated in National Workshop on Capacity Building in Disease Control and Sustenance and presented paper “Comparative *in vitro* study on the anthelmintic efficacy of *Cassia* plant on helminthes of domestic fowl” in Mini Symposium on Parasitic Diseases at University of Allahabad during November 5–7, 2012.

Dr. Samar Kumar Saha

- Arun Guha and Samar Kumar Saha: (2009). “Life table of fish ectoparasite

Argulus sp. in a laboratory culture” (Oral). 21st National Congress of Parasitology, November 14-16, 2009, Department of Zoology, Panjab University, Chandigarh.

- Sanghamitra Das, Anirban Banerjee, S.P. Sinhababu and Samar Kumar Saha 2010. “Arsenicosis in thyroid and testes of albino mice, *Mus Musculus*”. National Symposium on Pesticide Stress on Target, Non-target Organism and Human Health, February 11-12, 2010, Department of Zoology, University of North Bengal, Siliguri.
- Arun Guha and Samar Kumar Saha: 2010. “Life table & fecundity of *Argulus siamensis*: A cohort based study”. Golden Jubille International Seminar: Research in Zoology – Basic and Applied. March, 17 – 19, 2010. Department of Zoology, The University of Burdwan, Burdwan.
- Arun Guha, Anirban Banerjee and Samar K. Saha: 2010. “Feeding apparatus of *Argulus siamensis* Wilson with comments on associated glandular structure”. National Seminar on Modern Biology and human Welfare. March 28-29, 2010. Department of Zoology, Berhampur University.
- Samar K. Saha, Arun Guha, Anirban Banerjee and Samir Banerjee: 2010. “Feeding apparatus and associated glands in freshwater fish ectoparasite *Argulus siamensis* Wilson, 1926 (Branchiura)”. Golden Jubille International Seminar: Research in Zoology – Basic and Applied. March, 17 – 19, 2010. Department of Zoology, The University of Burdwan, Burdwan.
- Samar K. Saha and Samir Banerjee: “Biphasic control of *Argulus siamensis* (Crustacea: Branchiura) with plant derivatives”. Golden Jubille International Seminar: Research in Zoology – Basic and Applied. March, 17 – 19, 2010. Department of Zoology, The University of Burdwan, Burdwan.
- Sanghamitra Das, Anirban Banerjee, SP Sinhababu and Samar K. Saha. 2010. “Toxicity of Arsenic in thyroid and testis of Swiss albino mice, *Mus musculus*”. Golden Jubille International Seminar: Research in Zoology – Basic and Applied. March, 17 – 19, 2010. Department of Zoology, The University of Burdwan, Burdwan.
- Presented Paper in an International level Seminar on “Problems and Prospects of Coastal Aquaculture and Application of Biotechnological Tools for Rural Development” organized by Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore during March 1–3, 2013.

Dr. Sudipta Maitra

- Invited Lecture on the topic entitled, “Inhibition of PKA upregulates synthesis of MOS and promotes CDC25 activation during meiotic maturation in perch *Anabas testudineus* oocytes” at The National Colloquium on Recent Advances in

Molecular and Cellular Endocrinology, September 23-25, 2011, Dept. of Zoology, Benaras Hindu University, Varanasi, India.

- Invited Lecture on the topic entitled “Crosstalk between cAMP/PKA and MAP kinase signalling in the regulation of meiotic maturation in perch oocytes’ at International Symposium on Comparative Endocrinology and Stress Physiology (CESP2012). February 16-18, 2012, University of Kerala, Thiruvananthapuram, India.
- Acted as Joint Secretary and delivered an Invited Lecture in the International Symposium on Molecular Signaling, held in Visva-Bharati, Santiniketan during February 18–21, 2013.
- Delivered an Invited Lecture in the International Symposium on Comparative Endocrinology and Stress Physiology (CESP) held in University of Kerala, Thiruvananthapuram during February 16–18, 2012.

Dr. Rakesh Kundu

- Presented poster in the international symposium on “Perspective of Cell Signaling and Molecular Medicine” held at Bose Institute, Kolkata during November 2008.
- Presented poster in the INSA Platinum Jubilee International Symposium on Research in Molecular Medicine Based on Natural Resources and Traditional Knowledge held at the National Chemical Laboratory, Pune during November, 2009.
- Presented poster in the Symposium on Cellular & Molecular Signaling held at Shankarpur, Digha during December 26-27, 2011.

Dr. Sutapa Mukherjee

- Invited Seminar Lecture at the Departmental Seminar of Human Genetics Unit, Indian Statistical Institute, Kolkata, on 21st May, 2010.
- Presented paper entitled “Enhanced oxidative stress correlates with TLR4 expression in peripheral blood mononuclear cells of Down syndrome children” at the 81st Annual Meeting of The Society of Biological Chemists (India) and National Symposium on ‘Chemistry and Biology: Two Weapons against Diseases’ held at Science City Auditorium Complex, Kolkata during November 8–11, 2012.

26. Faculty serving in

a) National committees:

Samir Bhattacharya, Emeritus Professor

Member in DST-FIST committee in Biological Sciences.

Chairman DBT committee for Excellence in Aquaculture.

Member, CSIR EMR-II Committee for Animal Science and Biotechnology

Member in ICAR committee for assessing Central Agriculture University, NE

Chairman, CSIR-Research Council for IHBT, Palampur

Member in various committees of INSA, National Academy of Science, Allahabad

Shelley Bhattacharya, NASI Senior Scientist Platinum Jubilee Fellow

Member, Sectional Committee IX- Biochemistry and Biophysics, WB Academy of Science & Technology.

Member in Task Force of National Funding Agencies: DBT, UGC.

Examiner of CSIR NET Examination and Joint Biotechnology Admission Test conducted by JNU, New Delhi.

V. C. Joy, Professor

Vice-president, Indian Society for Soil Biology and Ecology.

Examiner of CSIR NET Examination.

Saumen Kumar Maitra, Professor

Elected Vice-President of the Society for Reproductive Biology and Comparative Endocrinology for the period 2006-2009.

Elected President, Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 2009-2012.

Nominated as Member of the Board of Studies in Endocrinology, University of Madras for the period 2010-2013.

Nominated by the Govt. of West Bengal as a Member of the Executive Committee and Council of the 'West Bengal State Council of Science & Technology.'

Santanu Ray, Professor

Selected and represented Indian team as a part of International program: NyAlesud, Arctic from 15 June, 2009 to 18 July, 2009 for global climate change program.

Ansuman Chattopadhyay, Associate Professor

Nominated as Executive committee member of Association for Teachers in Biological Science (based at HBCSE, TIFR, Mumbai).

Acted as Resource Person for the "National Initiative for Undergraduate Students (NIUS)" programme of Homi Bhabha Centre for Science Education, TIFR, Mumbai.

Dipak Kumar Mandal, Associate Professor

External member of Under Graduate Board of Studies in Zoology, Burdwan University.

Surjya Kumar Saikia, Assistant Professor

Acting as a **Member, Board of Editors** in 'Indian Journal of Social and Natural

Sciences' published by Raigaunj Gour Banga Research Forum, West Bengal.

b) International committees:

Shelley Bhattacharya, NASI Senior Scientist Platinum Jubilee Fellow

Honorary Appointment as Professional Women's Advisory Board by the American Biographical Institute, 2002.

Saumen Kumar Maitra, Professor

Elected Secretary, Asia Oceania Society for Comparative Endocrinology (AOSCE), 2009-2012.

Santanu Ray, Professor

Secretary, Austral-Asia Chapter, International Society of Ecological Modelling (ISEM), Head Office, Maryland, USA.

Selected as an International Organizing Committee Member of the International Conference on "Ecological Modelling for Ecosystem Sustainability in the Context of Global Change", scheduled on October 28-31, 2013 at Toulouse, France.

Ansuman Chattopadhyay, Associate Professor

Acted as scientific observer from India in the, "International Biology Olympiad, 2010", held at Changwon, South Korea.

c) Editorial Boards:

Samir Bhattacharya, Emeritus Professor

Member of the Editorial Board of the journals:

PLoS One

General and Comparative Endocrinology (Academic Press, New York, USA).

Comparative Biochemistry & Physiology, (Elsevier (Canada)

Journal of Biosciences (Indian Academy of Sciences, Bangalore)

Shelley Bhattacharya, NASI Senior Scientist Platinum Jubilee Fellow

Member of the Editorial Board of the journals:

Toxicology and Industrial Health (Sage Publication);

Indian Journal of Experimental Biology, (CSIR).

Arun Kumar Ray, Professor

Member of the Editorial Board of the journal: *Acta Ichthyologica et Piscatoria* (Poland).

V. C. Joy, Professor

Member of Editorial Board of the *Journal of Ecotoxicology and Environmental Monitoring*.

Member of the Editorial Advisory Board of the *Journal of Current Sciences*.

Saumen Kumar Maitra, Professor

Member of the Editorial Board of the *Journal of Endocrinology and Reproduction*.
Member of the Editorial Board of *PAVO*, the Journal of the Ornithological Society of India.

Editor of the volume entitled *Frontiers in Environmental and Metabolic Endocrinology*.

Guest Editor of "Pineal Gland & Melatonin" issue of the *Journal of Endocrinology & Reproduction* (2012).

Santanu Ray, Professor

Selected as one of the editors of Proposed Encyclopedia of Ecology (9 volumes are expected and total pages would be approx. 7200), published jointly by Elsevier, Academic and Pergamon press.

Associate Editor of "*Ecological Modelling – An International Journal on Ecological Modelling and System Ecology*" published by Elsevier, Netherlands (ISSN 0304-3800).

Member of the Editorial Board of the following Journals:

- *Ecological Informatics* (Elsevier); (First and only member from India from November, 2011)
- *Network Biology* (International Academy of Ecology and Environmental Sciences, ISSN 2220-8879)
- *Computational Ecology and Software* (International Academy of Ecology and Environmental Sciences, ISSN 2220 - 721X)
- *Journal of Ecosystem* (Hindawi publications)
- *Chinese Journal of Population Resources and Environment* (Taylor and Francis)
- *Biospectra–International Journal of Life Sciences* (Madhawi Shyam Educational Trust, Ranchi, Jharkhand, India)
- *Journal of Theoretical and Experimental Biology – An International Journal on Basic and Applied Biology* (Elias Academic Publishers, India)

Ansuman Chattopadhyay, Associate Professor

Member of Editorial Board: Science Education Review.

d) Any other (please specify):

Samir Bhattacharya, Emeritus Professor

Membership in Societies: SBC, ISCA, President, AOSCE, Asian Fisheries

Society, Indian Branch, ZSC.

Shelley Bhattacharya, NASI Senior Scientist Platinum Jubilee Fellow

Reviewer of the following Journals:

- *Indian Journal of Experimental Biology* (NISCAIR)
- *Journal of Biosciences* (Indian Academy of Sciences & Springer)
- *Proceedings of the INSA*
- *Toxicology and Industrial Health* (Sage publication)
- *Ecotoxicology Environmental Safety*

Membership in Societies: SBC, ISCA, AOSCE, Asian Fisheries Society, Indian Branch, Executive Committee Member, Environmental Mutagen Society of India, ZSC, New York Academy of Sciences.

Arun Kumar Ray, Professor

Reviewer of the following Journals:

- *Aquaculture* (Elsevier)
- *Aquaculture Research* (Blackwell)
- *Aquaculture Nutrition* (Blackwell)
- *Journal of the World Aquaculture Society* (Blackwell)
- *Bioresource Technology* (Elsevier)
- *Acta Ichthyologica et Piscatoria* (Poland)
- *Natural Product Radiance* (CSIR, India)
- *Israeli Journal of Aquaculture* (Bamidgheh, Israel)
- *Food and Chemical Toxicology* (Elsevier)
- *Proceedings of the Zoological Society* (Kolkata, Springer)

Membership in Societies: Executive Committee, Asian Fisheries Society, Indian Branch; Asian fisheries Society, Manila, Philippines; Asian Fish Nutrition Network, Manila, Philippines.

V. C. Joy, Professor

Reviewer of the following Journals:

- *Geoderma* (Elsevier)
- *Environmental Biology*
- *Entomon*

Membership in Societies: Executive Committee member, Indian Society for Soil Biology and Ecology.

Saumen Kumar Maitra, Professor

Reviewer of the following Journals:

- *Journal of Biosciences* (Indian Academy of Sciences, & Springer)
- Indian Journal of Experimental Biology* (NISCAIR)
- Indian Journal of Poultry Science*
- Proceedings of the Zoological Society*
- General and Comparative Zoological Science* (Elsevier)
- Comparative Biochemistry and Physiology* (Elsevier)
- Neurochemistry International* (Elsevier)
- Aquaculture Research* (Elsevier)
- Therapeutic Advances in Endocrinology and Metabolism* (SAGE Publications)
- Ecotoxicology and Environmental Safety* (Elsevier)
- Veterinary Clinical Pathology* (Wiley-Blackwell)
- Journal of Fish Biology* (Wiley Blackwell)
- African Journal of Environmental Science and Technology*
- Asian Fisheries Science Journal* (Selangor, Malaysia)
- Indian Journal of Biochemistry and Biophysics* (CSIR)
- Indian Journal of Physiology and Allied Sciences*

Membership in Societies: President, Indian Pineal Study Group; Vice President, All India Society for Reproductive Biology and Comparative Endocrinology; Executive Committee Member, Indian Society for Chronobiology, Executive Committee Member, Zoological Association of Burdwan, ISCA, ZSC, New York Academy of Sciences, Fellow, West Bengal Academy of Science and Technology, Fellow of the Society of Reproductive Biology and Comparative Endocrinology, Council Member of the Asia and Oceania Society for Comparative Endocrinology.

Santi P. Sinha Babu, Professor

Reviewer of the following Journals:

- *Microscopy Research and Technique* (John Wiley and Sons)
- *Immunological Investigations* (Taylor & Francis)
- *Pharmaceutical Biology* (Informa Pharmaceutical Science)
- *Journal of Parasitic Diseases* (Springer)
- *Cell Proliferation*
- *BMC Cancer*

Membership in Societies: Indian Society for Parasitology; Indian Society for Nematology.

Santanu Ray, Professor

Reviewer of the following Journals:

- *Ecological Modelling* (Elsevier, Netherlands)
- *Ecological Complexity* (Elsevier, USA)

- *Journal of Biological Systems* (World Scientific Publication Co., Canada)
- *BMC Ecology* (Biomedical Centre, Michigan, USA)
- *International Journal of Phytoremediation* (Taylor and Francis, USA)
- *Journal of Theoretical Biology* (Elsevier, Netherlands)
- *Mathematical and Dynamical Systems in Biological Sciences* (France)
- *Current Science* (Indian Academy of Science, Bangalore, India)
- *Research and Reviews in BioSciences* (Trade Science Inc., India)
- *Journal of Theoretical and Experimental Biology* (Elias Academic Publishers, India)
- *Science and Culture* (Indian Science News Association)
- *Climate Change* (Springer)
- *Ecological Engineering* (Elsevier)
- *Applied Mathematical Modelling* (Elsevier)
- *Ecological Informatics* (Elsevier)

Ansuman Chattopadhyay, Associate Professor

Member of Society: Indian Society of Radiation Biology, Zoological Society of India

Reviewer of the following Journals:

- *British Journal of Medicine and Medical Research* (SCIENCEDOMAIN International)
- *Cell Proliferation* (John Wiley and Sons)
- *International Journal of Medicine and Medical Sciences* (IJMMS)
- *Cell Biology Education* (American Association for Cell Biology)

Dipak Kumar Mandal, Associate Professor

Reviewer of the Journal: *Polish Journal of Fisheries*

Membership of Society: Inland Fisheries Society of India, Zoological Society of India, Environmental, Social and Biological Association of India

Samar Kumar Saha, Associate Professor

Reviewer of the following Journal: *Zootaxa* (Magnolia Press)

Sudipta Maitra, Assistant Professor (Senior Scale)

Reviewer of the following Journals:

- *Indian Journal of Experimental Biology* (CSIR-NISCAIR)
- *Proceedings of the Zoological Society*, Kolkata, India (Springer)

Membership in Societies: Indian Society of Comparative Endocrinology.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Dipak Kumar Mandal, Associate Professor

Participated in 23rd National workshop on Scanning Electron Microscopy held at USIC Burdwan University from March 24-27, 2009.

Participated in National workshop on “Interaction of ionizing radiation with Biological system” organized by UGC-DAE consortium for Scientific Research, Kolkata centre held at the Department Zoology, Visva-Bharati from March 29-30, 2010.

Participated in National Seminar cum exposition ‘Modern microscopes and their application’ held at USIC, Burdwan University from April 08 - 09, 2010.

Participated in UGC sponsored National Symposium on ‘Pollution: Disbalancing the Global Environment: Treats and prevention” held at Bolpur during 05-06 March 2011.

Participated in National Seminar on ‘Science and Nature: Tagore’s Vision and its Relevance.” Held at Siksha-Bhavana, Visva-Bharati during March 12-13, 2011.

Participated in the National Seminar on “Application of Statistics in the Biological Sciences and Engineering” held at PSB, Visva-Bharati from 10-11 December 2011.

Participated in the “1st National workshop for college teachers on application of Flow Cytometer, cell sorting and Imaging in Biological research held at Centre for Research in Nano-Science and Nanotechnology, Kolkata from 18-24 December 2011.

Participated in the hands on training on “Disease management and diagnostic in brackish water Aquaculture” Held at Kakdwip Research Centre of CIBA, Kakdwip from 13-17 February, 2012.

Participated in the National seminar on ‘Rabindrachitra’ organized by Visva-Bharati Adhyapaka Sabha from February 11-12, 2012 at Visva-Bharati.

Participated in the ‘Fourth Refresher course in Life Sciences’ at ASC, Burdwan University during November 3–23, 2012.

Participated in ‘One day Workshop on National e-Governance Plan (NeGP)’ held at Visva-Bharati on December 03,2012

Larisha M. Lyndem, Associate Professor

5th National Workshop on Immunological Techniques. Centre for Fish Immunology, Lady Doak College, Madurai, Tamilnadu, 3rd-15th May 2010.

National Workshop on Interaction of Ionizing Radiation with Biological Systems, UGC-DAE consortium for scientific research, Kolkata and Department of Zoology, Visva-Bharati, Santiniketan 29th-30th March 2010.

Participated in the National Seminar on Science and Nature: Tagore's Vision and its Relevance at Visva-Bharati Santiniketan on 12th -13th March, 2012.

Participated in 20th National Congress of Parasitology "Food-borne Zoonoses of Parasitic origin: Molecular Taxonomy and Epidemiology" held at North Eastern Hill University, Shillong, Meghalaya (3-5 November 2012).

Samar Kumar Saha, Associate Professor

National Workshop on Interaction of Ionizing Radiation with Biological systems Organised by UGC- DAE Consortium for Scientific Research, Kolkata and Department of Zoology, Visva-Bharati, Santiniketan from 29 – 30th March, 2010.

UGC sponsored National Level Symposium on Pollution: Disbalancing the Global Environment: Threats and Prevention – Organised by Faculty of Science, Bolpur College in collaboration with NIT, Durgapur from 5- 6 March, 2011.

International Seminar on Recent Trends in Zoology- Organised by the Post Graduate Department of Zoology Jhargram Raj College on 8th March, 2011.

UGC-Sponsored National Level Seminar "Recent Trends in Zoology with Special Emphasis on Animal Diversity, Fisheries and Genetics" Organised by Department of Zoology Kulti College, Kulti on 28-29 November, 2011.

National Conference on Application of Statistics in Life Science and Engineering. Organised by Palli Siksha Bhavana, Visva-Bharati on 10-11 December, 2011.

1st National Workshop for College Teachers on Applications of Flow Cytometry, Cell Sorting & Imaging in biological Research, University of Calcutta, Kolkata on 18- 24 Dec. 2011.

Attended Science Academies' Education Programme Lecture Workshop on "Recent Development in Chemistry" organized by Department of Chemistry, Visva-Bharati, Santiniketan from November 29 to December 01, 2012.

Attended Workshop on National e-Governance Plan (NeGP) organized by the Computer Centre, Visva-Bharati, Santiniketan on December 03, 2012.

Participated in Winter School on "Sustainable Fish Feeds and Nutraceuticals to Grow Health Promoting Fish" organized by ICAR at the Central Institute of Freshwater Aquaculture, Bhubaneswar from January 15 to February 07, 2013.

Sudipta Maitra, Assistant Professor (Senior Scale)

INSA Platinum Jubilee International Symposium on Research in Molecular Medicine based on Natural resources and Traditional Knowledge. Nov. 21-23, 2009, National Chemical Laboratory, Pune.

9th International Symposium on Reproductive Physiology of Fish, August 9-14, 2011, Kochin.

Golden Jubilee International Seminar in Researches In Zoology-Basic and

Applied, March 17-19, Dept. of Zoology, University of Burdwan.

Rediscovering 100 years of journey on the field of Immunology: Present status of immunological research in India (UGC Sponsored National Level Seminar). September 19-20, 2011, West Bengal State University, West Bengal, India.

Symposium on Recent Trends in Cellular and Molecular Signalling, December 25-27, 2011 under the joint organization of Indian Institute of Chemical Biology, Kolkata and Dept. of Zoology, Visva-Bharati at Shankarpur, Digha.

Participated in International Workshop on Applications of Flow Cytometry and Imaging in Cell Biology and Nano-Biotechnology, organized by the Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, Kolkata from August 11-18, 2012.

Surjya Kumar Saikia, Assistant Professor

Participated 'National Workshop on Interaction of Ionizing Radiation with Biological systems' Organised by UGC- DAE Consortium for Scientific Research, Kolkata and Department of Zoology, Visva-Bharati, Santiniketan from 29 – 30th March, 2010.

Participated 'National Conference on Application of Statistics in Life Science and Engineering', 10th -11th December, 2011, Department of Agriculture Extension, Agriculture Economics and Statistics, Palli Siksha Bhavana, Visva Bharati, Santiniketan.

Participated in 'Biodiversity and sustainability vis-à-vis economic development in the Northern parts of West Bengal' held in Raiganj Surendranath Mahavidyalaya, Raiganj, Uttar Dinajpur, from August 26-27, 2012.

Participated in 'International Symposium on Molecular Signaling' in the Department of Zoology, Visva-Bharati, Santiniketan during February 18-21, 2013.

Rakesh Kundu, Assistant Professor

Attended Science Academies' Lecture Workshop on "Emerging Paradigms in Life Sciences" held at the Department of Zoology, Visva-Bharati, Santiniketan during November 19-20, 2012.

Organized an International Symposium on Molecular Signaling in the Department of Zoology, Visva-Bharati, Santiniketan during February 18-21, 2013.

Acted as member in the International Symposium on Molecular Signaling in the Department of Zoology, Visva-Bharati, Santiniketan during February 18-21, 2013.

Sutapa Mukherjee, Assistant Professor

Attended National Hands-on Workshop on Genomics and Proteomics. DBT-BIF Centre, Department of Bioinformatics, West Bengal University of Technology, Kolkata; 15-16 March, 2011.

Participated in Continued Medical Education (CME)-cum-Workshop on Stem Cell Therapy and Research. Netaji Subhash Chandra Bose Cancer Research Institute, Kolkata. 27-28 December, 2011.

Attended Workshop on Bioinformatics (WBI'12). Centre for Soft Computing Research, Indian Statistical Institute, Kolkata. 15-17 February, 2012.

Participated in a One Day National Symposium on "Genetic Analyses of Complex Traits", held at the Indian Statistical Institute, Kolkata on September 15, 2012.

Participated in the 5th Annual Meeting of The Cytometry Society, India, and National Symposium on "Cytometry and its Role in Tackling Infectious Diseases" and the 13th Indo-US Workshop on Advanced Flow Cytometric Techniques, organized by the Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, Kolkata during October 14–17, 2012.

Attended the 3rd International Cancer Research Symposium held at Swissotel, Kolkata during December 19–21, 2012.

Acted as Member of the Organizing Committee of the International Symposium on Molecular Signaling in the Department of Zoology, Visva-Bharati, Santiniketan during February 18–21, 2013.

Participated in an Awareness Workshop of NFBSFARA organized by the Indian Council of Agricultural Research at the National Institute of Research on Jute and Allied Fibre Technology, Kolkata during August 23-24, 2013.

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects: 25%**
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute: 0.5%**

29. Awards / recognitions received at the national and international level by

a) Faculty:

Samir Bhattacharya, Emeritus Professor

- v First N. R. Dhar Memorial Lecture Award** at University of Allahabad on February 6, 2010.
- v Prestigious Professor S. C. Mahalanobis Memorial Oration Award** for the year 2012 from the Physiological Society of India.
- v Professor Samir Bhattacharya was awarded the prestigious Professor S. C. Mahalanobis Memorial Oration Award** for the year 2012 from the Physiological Society of India.
- v Professor Samir Bhattacharya was awarded the prestigious CSIR Technology Award 2012.**

Saumen Kumar Maitra, Professor

- ✓ Received the '**GMB Award of Excellence in Integrative & Comparative Biology**' (2012) for outstanding achievement in biology as biologist.
- ✓ Professor Saumen Kumar Maitra received the '**GMB Award of Excellence in Integrative & Comparative Biology**' (2012) for outstanding achievement in biology as biologist.

Santanu Ray, Professor

- ✓ Awarded grant from Czech Academy of Sciences to visit as a **Research Scientist** at Czech Academy of Science

Sudipta Maitra, Assistant Professor (Senior Scale)

- ✓ **Visiting Fellow** under Centre with Potential for Excellence in Biodiversity in the Faculty of Life Science at Rajiv Gandhi University, Itanagar, Arunachal Pradesh, India.

Rakesh Kundu, Assistant Professor

- ✓ Awarded **Dr. D.S. Kothari Post-Doctoral Fellowship** from UGC, 2012.
- ✓ Awarded **Research Associateship (RA)** from CSIR, 2011.
- ✓ **Project Associate Level-I (CSIR)**, 2010 (CSIR-NEIST, Jorhat, Assam).
- ✓ Dr. RakeshKundu was awarded **Dr. D.S. Kothari Post-Doctoral Fellowship** from UGC, 2012.
- ✓ Dr. RakeshKundu was awarded **Research Associateship (RA)** from CSIR, 2011.

Sutapa Mukherjee, Assistant Professor

- ✓ Appointed Research Associate (**RA-CSIR-SCHEME**) from 06-09-2010 to 09-08-2011.
- ✓ Awarded Research Associate (**ICMR-RA**) from 10-08-2011 to 31.12.2012.
- ✓ Dr. Sutapa Mukherjee was awarded **Research Associateship (RA)** from ICMR, 2011.

b) Doctoral / post doctoral fellows:

- ✓ Joyita Mukherjee, a doctoral fellow, was selected in Southern African Young Scientists Summer Programme (SA-YSSP), in collaboration with International Institute of Applied Systems Analysis (IIASA), Austria and University of Free State, South Africa and completed project from December 2012-February 2013 on 'Robustness Measures of Aquatic Ecosystems using Network Analysis'.
- ✓ **INSA-Young Scientist Award (2012)**: Dr. SumanDasgupta
- ✓ **Dr. D.S. Kothari Post-doctoral Fellowship**: Dr. SudiptaMondal (2009),

Dr. AsamanjaChattoraj (2011), Dr. SantoshPoddar (2011), Dr. SumanDasgupta (2012), Dr. Rakesh Kundu (2012), Dr. SoumikAgarwal (2013), Dr. Atish Ray (2013)

v **CSIR-Pool Scientist/RA:** Dr. AsamanjaChattoraj (2011), Dr. Rakesh Kundu (2011)

v **DBT-Post doctoral Fellow:** Dr. PragyaGayen (CCMB)

v **CSIR-Post doctoral Fellow:** Dr. PragyaParamita Khan (CCMB)

c) Students:

v **NET-JRF & LS (Research Scholars):** Ms. Soma Seal, Mr. Suhash Dan, Mr. ChandanMallick, Ms. Priya Roy, Mr. Niladri Mukherjee, Mr. SantoshPoddar, Mr. AnanyaNayek, Mr. Md. Moniruzzaman, Mr. PradipMondal, Mr. KaziNurulHasan, Ms. RituSrivastava, Mr. DebdipMukhopadhyay, Mr. Arnab Banerjee, Mr. Nabyendu , Mr. ShankhadipMondal, Mr. Debabrata Das, Mr. Soumyajit Pal, Mr. ArijitGanguly

v **NET-JRF & LS (Students):** Moumita Adak, Kishore Mondal, Santanabha Das, Chaitali Banerjee, Sohini Banerjee

v **GRE:** Ms. Prattusha Nandi, Mr. Sankhasubhra Das, Mr. ChayanMunshi

v **West Bengal Merit cum Means (2009-10):** Mr. Palash K. Pal

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

International-level Seminar: The Department organized “International Symposium on Molecular Signaling (ISMS-2013)” during February 18–21, 2013. “Molecular Signaling” was selected as the focal theme because signaling is central to the life of an organism and defects in the various signaling pathways are intricately involved in impairment of life processes. This international meeting was deemed to be highly relevant as to provide a platform for exchange of ideas and knowledge in valuable areas of research, particularly related to the critical diseases. The Symposium was inaugurated by the Hon’ble Vice-Chancellor Professor Sushanta Dattagupta at 2:00 p.m. on February 18, 2013 at Lipika Auditorium, Visva-Bharati. Professor Samir Bhattacharya acted as the Chairman and Professor Santi P. Sinha Babu was the Convener. The Dean, Faculty of Science, Professor Arun Kumar Ray also addressed the gathering. Following the Inaugural Program, Hon’ble Vice-Chancellor delivered a Special Lecture on the topic “Diffusion - Interdisciplinarity at its best.” Over the four days, the Symposium had twelve Technical Sessions

comprising 43 Symposium Lectures of 20 minutes each and 23 Invited Lectures of 15 minutes each. The Speakers were from different Institutes/Universities located in India as well as abroad. The majority of lectures dealt with different aspects of molecular signaling involved in the pathogenesis of various diseases viz. cancer, diabetes, cardiac hypertrophy, tuberculosis, arsenic toxicity, gastric ulcer, liver diseases and others. During the Poster sessions, about 40 students presented their posters which were thoroughly evaluated by jury and awards were given to the best posters. Cultural programmes were held in the evening. All distinguished scientists and researchers were unanimous in their opinion that the Symposium provided an excellent academic platform for understanding and unraveling the complexities of molecular signaling in human health and disease.

Science Academies' Lecture Workshop - The Department organized Science Academies' Lecture Workshop entitled "Emerging Paradigms in Life Sciences" during November 19–20, 2012. This was sponsored and supported by the Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad, India. Dr. Sudipta Maitra acted as the Coordinator and Professor Shelley Bhattacharya was the Convener of the Workshop. The Lecture Workshop was inaugurated by the Hon'ble Vice Chancellor, Professor Sushanta Dattagupta at 10 a.m. on November 19, 2012 preceded by an introduction to the program by the Convener, and addresses by the Dean, Faculty of Science, Professor Arun Kumar Ray and the then Head of the Department of Zoology, Professor Saumen Kumar Maitra. The Hon'ble Vice-Chancellor encouraged such activities in the campus and stimulated the students to actively participate during the lecture sessions. He also dwelt upon the mandate of all three Science Academies in India to spread Science teaching from the Universities to the undergraduate colleges. The target audience of the workshop was the undergraduates who have just stepped in to the realm of life sciences. The Hon'ble Vice-Chancellor hoped that such workshops would drive the students to become researchers in basic sciences rather than taking up lucrative jobs. The workshop was planned for two days and there were 75 undergraduate students including two faculty members from Bolpur College (Burdwan University), a well known undergraduate college in the vicinity of Santiniketan. The undergraduate students of the Botany and Zoology departments and all

research scholars of the Department of Zoology also attended the workshop. The active participation of the students in all the lecture sessions of one and half hour each was evident from the highly energetic and lively interactions they had with the speakers. The topics of the lectures were varied. All students were unified in their opinion that the Lecture Workshop has boosted their interest in life sciences.

- 31. Code of ethics for research followed by the departments:** As The Department follows the guidelines laid by the Institutional Ethics Committee for animal experiments and handling involved in academic and research programmes.

- 32. Student profile programme-wise:**

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| B.Sc. (2009-10) | (Through VB-CAT) | 22 | 12 | 100% | 100% |
| M.Sc. (2009-10) | 110 | 20 | 12 | 100% | 100% |
| B.Sc. (2010-11) | (Through VB-CAT) | 20 | 12 | 100% | 100% |
| M.Sc. (2010-11) | 120 | 24 | 14 | 100% | 100% |
| B.Sc. (2011-12) | (Through VB-CAT) | 31 | 08 | 100% | 100% |
| M.Sc. (2011-12) | 84 | 22 | 21 | 100% | 100% |
| B.Sc. (2012-13) | (Through VB-CAT) | 22 | 17 | 100% | 100% |
| M.Sc. (2012-13) | 86 | 26 | 17 | 100% | 100% |

- 33. Diversity of students:**

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| B.Sc. (2009-10) | 50 | 50 | 00 | 00 |

| | | | | |
|-----------------|----|----|----|----|
| M.Sc. (2009-10) | 60 | 40 | 00 | 00 |
| B.Sc. (2010-11) | 50 | 50 | 00 | 00 |
| M.Sc. (2010-11) | 60 | 40 | 00 | 00 |
| B.Sc. (2011-12) | 50 | 50 | 00 | 00 |
| M.Sc. (2011-12) | 60 | 40 | 00 | 00 |
| B.Sc. (2012-13) | 50 | 50 | 00 | 00 |
| M.Sc. (2012-13) | 60 | 40 | 00 | 00 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET: 1 (2008); 2 (2009); 2 (2010); 3 (2011); 1 (2012)

GATE: 2 (2008); 3 (2009); 2 (2010); 1 (2011); 1 (2012)

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | 99% |
| PG to M.Phil. | 5% |
| PG to Ph.D. | 10% |
| Ph.D. to Post-Doctoral | 3-4% |
| Employed | - |
| • Campus selection | |
| • Other than campus recruitment | |
| Entrepreneurs | - |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|-----|
| of the same university | 18% |
| from other universities within the State | 82% |
| from universities from other States | 18% |
| from universities outside the country | 0% |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: None

38. Present details of departmental infrastructural facilities with regard to

a) Library:

- Area in (Sq. meters) quoted for the library: **1250 sft.**

- Is there separate provision for Reading Room? **No**
 - Total No. of books: **1395+30+10=1435**
 - Total Number of books purchased during the year: **41**
 - Total Number of Periodicals: **03**
 - Total Number of Periodicals purchased during the year: **Nil**
 - Total Number of Readers: **232 (All teachers, research scholars and students of the Department)**
 - Total Number of Books and Periodicals issued: **Books are regularly issued to teachers and research scholars**
- b) **Internet facilities for staff and students:** LAN connectivity and Wi-Fi
- c) **Total number of class rooms:** 6 lecture rooms
- d) **Class rooms with ICT facility:**
- e) **Students' laboratories:** 02
- f) **Research laboratories:** Individual laboratory for each faculty
39. **List of doctoral, post-doctoral students and Research Associates:**
- a) **Research Associate:** 02
- b) **Post-Doctoral Fellow:** 01
- c) **Jr. / Sr. Research Fellow (Ad-hoc, in ongoing projects under teachers):** 45
40. **Number of post graduate students getting financial assistance from the university:** About 30% students qualify for the merit and means scholarship.
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Suggestions and feedback from faculty and students
42. **Does the department obtain feedback from**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:** Yes
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:**
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:**
43. **List the distinguished alumni of the department (maximum 10):**
- a) Dr. Pradip K. Chakraborti, FNA, FASc., FNASc., Deputy Director, Institute of Microbial Technology.
- b) Dr. N. R. Jana, distinguished scientist, National Brain Research Centre (a DBT Institute at Noida).

- c) Professor Alok Agrawal, Professor and distinguished scientist in USA.
 - d) Dr. Partha Banerjee, Professor and distinguished scientist in USA.
 - e) Professor Rakesh Tyagi, FNASc., School of Molecular Medicine, JNU.
 - f) Dr. Swapan De, Director, FDA, USA.
 - g) Dr. Mamata De, Director, FDA, USA.
 - h) Professor Bimal Nath, Head, Department of Zoology, University of Pune.
 - i) Professor Md. Jamaluddin, University of Texas, USA.
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**
- Seminars/Lectures held at Seminar Hall, Department of Zoology, Visva-Bharati:**
- a) Professor Satinath Mukherjee, Institute of P.G. Medical Education, Kolkata delivered lecture on 'Dia-Obesity Management' on 30th January, 2011 at 3:00 p.m.
 - b) Professor Kjell J. Nilssen, Department of Biology, Norwegian University of Science and Technology, Norway, delivered lecture on 'Animal Survival Strategies at High (Arctic) Latitudes on 5th February, 2011 at 3:00 p.m.
 - c) Professor Debashish Chowdhury, Department of Physics, Indian Institute of Technology, Kanpur, delivered lecture on the topic 'From Living Machines to Machines of Life: Biological Phenomena as Machine-driven Processes' on 26th March, 2013 at 11 a.m.
 - d) Professor Colin D. Butler, University of Canberra, Australia, delivered lecture on 'Global Environmental Change and Health: Challenging the Social Contract that Risks Civilization' on 3rd September, 2013 at 11 a.m.
- 45. List the teaching methods adopted by the faculty for different programmes:**
- a) Lectures (using blackboard, whiteboard, overhead projector and LCD projector)
 - b) Tutorial
 - c) Continuous assessment
 - d) Internal examinations/Class tests
 - e) Hands-on Practical demonstrations and experiments
 - f) Seminars/Projects during the final semester evaluated by experts
- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**
- a) Teaching:**
- i) Syllabi of Undergraduate (B.Sc. Hons.) and Postgraduate (M.Sc.) courses in Zoology have been thoroughly revised and implemented
 - ii) Semester system with revised syllabus implemented in M.Sc. course in Zoology with effect from 2009-2010 academic session.

- iii) Semester system with Choice Based Credit System (CBCS) implemented in B.Sc. (Hons) course in Zoology with effect from 2010-2011 academic session.
- b) New courses introduced:**
 - i) New courses namely Immunology, Molecular Biology, Animal Behaviour, Comparative Endocrinology, Methods in Biology, Ecological Modeling are introduced in addition to the conventional Zoology courses in the M.Sc. syllabus (both theory and practical courses).
 - ii) New special papers namely Environmental Toxicology, Molecular Cell Biology and Genetics, Fish and Fisheries, Entomology, Parasitology, and Ecology introduced in M.Sc. Zoology.
- c) Curriculum last revised & significant changes:**
 - i) B.Sc. (Hons) Syllabus in Zoology revised in tune with UGC model syllabus and implemented from 2007-2008 academic session onwards.
 - ii) M.Sc. Syllabus in Zoology thoroughly revised with Semester system and new special papers namely Environmental Toxicology, Molecular Cell Biology and Genetics, Fish and Fisheries, Entomology, Parasitology, Ecology introduced, syllabus implemented from 2009-2010 academic session onwards.
 - iii) Semester system and CBCS implemented in B.Sc. (Hons) course in Zoology from 2010-2011 academic session.
- d) Examination reforms last made with special features:**
 - i) Semester system of examination with 20% Internal Assessment in all Theory and Practical papers in M.Sc. Zoology course implemented from 2009-2010 session.
 - ii) Semester system of examination with 20% Internal Assessment in all Theory and Practical papers in B.Sc. (Hons) Zoology course implemented from 2010-2011 academic session.
- e) Teaching lab./equip./new facilities created:**
 - A. List of Classroom facilities added** (with UGC (plan, SAP, COSIST, CAS) and DST-FIST grants)
 - i) Renovation of laboratories for practical classes
 - ii) Renovation of research laboratories
 - iii) Renovation of animal house and working sheds
 - iv) Modernisation of 5 lecture rooms with overhead/LCD projectors and cushioned seats
 - v) Instrument rooms for sophisticated equipments
 - vi) Upgradation of Computer lab with internet / broadband / wi-fi facility

- vii) Modernization of Seminar Hall with state of art audiovisual facility
- viii) Seminar library and reading room facility
- ix) Tissue culture laboratory, Cold room
- x) Wet laboratories, continuous flow aquariums

B. List of Equipments purchased

- i) From FIST DST Phase II grant (2007-2012)
 - Soxtec apparatus for C estimation
 - Biorad PCR machine
 - CN analyser
- ii) From UGC plan grants and Ad-hoc research projects (1994 onwards)
 - Beckman floor model ultracentrifuge
 - Beckman automatic LS system
 - Wallach Gamma counter
 - Hoeffer DNA sequencer
 - Cryostat
 - Beckman Benchtop Ultracentrifuge
 - Biorad Gel documentation system with image analyser
 - Olympus Inverted microscope
 - 80 Deep freeze
 - Biorad LP purification system
 - Virtis Lyophilizer
- iii) From CAS grant (2007-2012)
 - Computer based advanced protein chromatography system
 - Real time PCR Applied biosystem
 - Standby generator and accessories
 - Microanalytical balance
 - UV-Vis spectrophotometer

47. Highlight the participation of students and faculty in extension activities:

- a) Annual Study tours are regularly organized by the Department during December or January. Students from M.Sc. and B.Sc. courses actively participate. They are escorted by Teacher-in-charge and other teaching and non-teaching staff members.
- b) The Teachers, Non-teaching staff, Research scholars and the students actively participate in celebrating the 'Gandhi Punyaha', 'Ananda Bazar', 'Briksharopan' and other such occasions in true spirit in the Department and University campus every year.

48. Give details of "beyond syllabus scholarly activities" of the department:

The Department organized Science Academies' lecture workshop for spreading

awareness among the students towards science. The students were enlightened on various aspects of science by distinguished scientists, researchers and teachers. From time to time, the students are taken for visit to different well-established research institutes and laboratories. They are also taken for field studies for sample collection and specimen collection. They regularly are taken on study tours and excursions.

- 49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: No**
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

In order to expose the students to latest information in the modern fields of Biology and to attract them into active scientific research, our curriculum contains provisions for student initiatives like write-ups, seminars, project works, field works. Thus they get exposed to the vast biological literature other than text books. The subject of Zoology cannot be learned without practical classes and direct experience with the vast array of animals, their external and internal morphology, structural and functional relationships with other animal groups, interaction with the environment and ecological strategies, and evolutionary trends in the anatomical, biochemical, genetic and molecular architecture. Therefore the existing syllabus gives more or less equal importance to both theoretical and practical courses. The department has trained persons to handle the live/preserved animal specimens used for teaching and research. The department takes all measures to ensure the ethical aspects of preparing the animals for class and research purposes. The existing syllabus contains the minimum use of only easily available/cultivable groups of animals for practical demonstration and other experiments. Our students in undergraduate and postgraduate courses receive the best practical training not only in all aspects of Zoology but also in other branches of Life sciences like Biochemistry, Cell Biology, Genetics, Ecology, Immunology, and learn modern experimental techniques using sophisticated equipment. We proudly acknowledge that this type of advanced facilities could be created for the benefit of students only through the generous grants received from the UGC and DST for infrastructure development and by the hard labor of teachers.

A special achievement of our University in the field of international research:

The Nature Publishing Index ranks institutions according to the number of primary research articles they publish in Nature journals. *Nature* and its family of Nature-branded sister journals is world-renowned as the pre-eminent platform for publication of the very best international research. These rankings are based on the number of papers that were published within the last 12 months. These rankings only include papers that were published as research articles (Articles, Letters and Brief Communications) or reviews in *Nature* and/or Nature monthly research journals. The

index is updated weekly. According to the Index date range: 16-04-2012 to 15-04-2013 for Research Articles, Visva-Bharati ranked 179 among 725 Institutions/Universities in the Asia-Pacific region. The Department is proud of this achievement of our University in international research arena, which could be possible due to the following publication:

Durba Pal, Suman Dasgupta, Rakesh Kundu, Sudipta Maitra, Gobardhan Das, Satinath Mukhopadhyay, Sukanta Ray, Subeer S. Majumdar and Samir Bhattacharya. Fetuin-A opens toll gate for lipid-induced insulin resistance. *Nature Medicine* 18(8):1279–1285, 2012.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Major Strengths:

- i) Competent faculty;
- ii) Student-friendly approach;
- iii) Excellent research output;
- iv) Grants from funding agencies;
- v) Good infrastructure.

b) Major Weaknesses:

- i) Technical staff wanting;
- ii) Generator back-up;
- iii) More classrooms required;
- iv) More laboratories required;
- v) Networking facility needs to be strengthened.

c) Major Opportunities:

- i) Periodically updated syllabus;
- ii) Designing effective curriculum;
- iii) Implementation of new methods of teaching;
- iv) New special papers introduced;
- v) Increased intake of students for in-house projects.

d) Major Challenges:

- i) To develop state-of-the-art infrastructure for research;
- ii) To acquire modern facilities for teaching and learning;
- iii) To establish animal house and fish room as per the standards laid down by the Govt. of India;
- iv) To strengthen international and national collaborations;
- v) To develop tie-up with industry.

52. Future plans of the department:

The Department of Zoology has a proud history of dedicated academic service for more than 45 years in teaching and research. The steady progress and development of the department is evident from our noteworthy achievements like the introduction of new courses of higher education, increase in the student intake capacity and faculty positions, interdisciplinary teaching and research in the frontier fields of Life Sciences, quantum of external funding for research, number of on-going research projects, number of Ph.Ds produced, number of research papers published in international and national journals, number of patents filed, and MOU signed for collaborative research with Research Institutes. The courses offered by the department at present are B.Sc. (Honours) and M.Sc in Zoology.

Our continued efforts in the coming years would be to build up this department to a centre of excellence with all modern facilities for teaching and research, to attract best students and researchers from all parts of the country and to provide quality education in this serene ashram campus of Santiniketan where the world makes a home in a single nest.

Evaluative Report of Department of Computer and System Sciences

1. **Name of the Department:** Department of Computer and System Sciences
2. **Year of establishment:** 1998
3. **Is the Department part of a School/Faculty of the university?** Yes, Siksha-Bhavana
4. **Names of programmes offered:** B.Sc.(Hons.), B.Sc.(Allied), M.Sc., Ph.D
5. **Interdisciplinary programmes and departments involved:** Yes
Research Methodology and Techniques (Computer Application) paper in Ph.D. Coursework is offered to all enrolled Ph.D. students under Science Faculty including Integrated Science.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Not yet
7. **Details of programmes discontinued, if any, with reasons:** Not applicable
8. **Examination System:** Semester (Under Choice Based Credit System)
9. **Participation of the department in the courses offered by other departments:** Yes.
In Allied Courses in Physics, Statistics and Mathematics (Siksha Bhavana), Tagore Studies (Rabindra Bhavana) and Environmental Sciences (Siksha Bhavana).

10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 2 | 2 | 3 (1 under CAS) |
| Associate Professors | 2 | 2 | 2 (1 under CAS) |
| Asst. Professors | 6 | 5 | 4 |
| Others | Nil | Nil | Nil |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

- a) **Name** : Balaram Bhattacharyya
- Qualification** : B.Sc.(Physics Hons), M.Sc(Physics), Ph.D. (Science),
M.Tech (Computer Science & Data

| | |
|--|--|
| | Processing) |
| Designation | : Professor & Head |
| Specialization | : Machine Learning, Data Mining, Bioinformatics, Color Image Processing |
| No. of Years of Experience | : 21 years in teaching, 6 years in Ph.D and Post-doc |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 01 (registered) |
| b) Name | : Alak Kumar Datta |
| Qualification | : B.Sc. (Mathematics Hons), M.Sc. (Mathematics), Ph.D (Science) |
| Designation | : Professor |
| Specialization | : Approximation Algorithms, Graph Algorithms, Parallel Algorithms, VLSI Routing Algorithms |
| No. of Years of Experience | : 20 years in teaching, 6 years in Ph.D and Post-doc |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 1 with co-supervisor |
| c) Name | : Paramartha Dutta |
| Qualification | : B.Stat (Hons.), M.Stat, M.Tech (Computer Science), Ph. D. (Engineering) |
| Designation | : Professor |
| Specialization | : Computational Intelligence, Machine Learning, Pattern Recognition, Image Processing, Quantum Dot Cellular Automata |
| No. of Years of Experience | : 15 years in teaching, 5 years in Ph.D. |
| No. of Ph.D./M.Phil. students guided for the last 4 years | : 2 Awarded + 5 Registered, 3 with co-supervisor |
| d) Name | : Utpal Roy |
| Qualification | : B.Sc. (Physics Hons.) M.Sc. (Physics), Ph.D.(Science) |
| Designation | : Associate Professor |
| Specialization | : Interdisciplinary Research & Computer Science |
| No. of Years of Experience | : 16 years in teaching, 7 years in Ph.D and Post-doc |

| | | | |
|--|--|---|--|
| No. of Ph.D./M.Phil. students guided for the last 4 years | | : | 1 awarded + 1 submitted, both with co-supervisor + 3 registered |
| e) | Name | : | Tathagato Mukhopadhyay |
| | Qualification | : | B.Sc. (Physics Hons.), M.E. (Electrical Communication Engineering) |
| | Designation | : | Associate Professor |
| | Specialization | : | Cellular Wireless Networks |
| | No. of Years of Experience | : | 6 years in teaching, 9 years in Industry |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| f) | Name | : | Kakali Datta |
| | Qualification | : | B.Sc. (Statistics Hons.), B.Tech. (Computer Science & Engg), M.E. (Computer Science & Tech.) |
| | Designation | : | Assistant Professor (Stage-II) |
| | Specialization | : | Quantum Cellular Automata |
| | No. of Years of Experience | : | 14 years in teaching |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| g) | Name | : | Subhasis Banerjee |
| | Qualification | : | B.Sc. (Mathematics Hons.), M.Sc. (Statistics), M.Tech. (Computer Science) |
| | Designation | : | Assistant Professor (Stage-II) |
| | Specialization | : | Wireless Communication |
| | No. of Years of Experience | : | 11 years in teaching |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |
| h) | Name | : | Sanchita Pal Choudhuri |
| | Qualification | : | B.Sc. (Mathematics Hons.), M.Sc. (Mathematics), M.Tech. (Computer Science) |
| | Designation | : | Assistant Professor (Stage-II) |
| | Specialization | : | Algorithmic Graph Theory |
| | No. of Years of Experience | : | 12 years in teaching |
| | No. of Ph.D./M.Phil. students guided for the last 4 years | : | Nil |

- i) **Name** : Madhusudan Paul
Qualification : B.Sc. (Computer Science Hons.), M.Sc. (Computer Science), M.Tech. (Computer Science & Engg.)
Designation : Assistant Professor
Specialization : Computational Systems Biology, Complex Networks Theory, Machine Learning
No. of Years of Experience : 1 year in teaching, 2 years in research
No. of Ph.D./M.Phil. students guided for the last 4 years : Nil

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors:** Nil

13. **Percentage of classes taken by temporary faculty - programme-wise :** Nil

14. **Programme-wise Student Teacher Ratio:**

- a) UG (2012-2014) – 11:1
b) PG (2013-2015) – 11:1
c) Ph.D Course Work 2013 – 2:1

15. **Number of academic support staff (technical) and administrative sanctioned, filled and actual:**

| | Sanctioned | Filled | Actual |
|------------------------------------|--------------------|--------|-----------------------------------|
| Academic Support Staff (Technical) | Nil | Nil | Nil |
| Administrative Staff | Centrally provided | N.A. | 2 (Office Assistant-1 and Peon-1) |
| Others | Nil | N.A. | Nil |

16. **Research thrust areas as recognized by major funding agencies:** Not yet

17. **Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:** 3

- (a) Dr. Utpal Roy: Completed UGC funded project entitled, “*Statistical Approach for Segmentation of Color Image and Its Application for Text Extraction from Color Backgrounds*” during Feb, 2008- Feb, 2010 with total grant of Rs. 1.25 lakhs.
(b) Prof. Paramartha Dutta: Completed DST funded project entitled “*Development of an Intelligent Recognizer of Component Analysis of Manhole Gas Mixture*”

in Collaboration with Prof. Hiranmay Saha, Bengal Engineering and Science University, Shibpur of amount **Rs. 33.00 lakhs** (approx.) during **October 2010** till **March 2013**.

- (c) Dr. Utpal Roy and Sri Subhasis Banerjee: Board of Research in Nuclear Science(BRNS), DAE funded in collaboration with Professor Bidyut Roy, BARC; *“Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments”* with total grant of **Rs. 16 lakhs** (approx.), for three years starting from the Financial year 2013-2014.

18. Inter-institutional collaborative projects and associated grants

a) National collaboration:

- (i) Prof. Paramartha Dutta: *“Development of an Intelligent Recognizer of Component Analysis of Manhole Gas Mixture”* in Collaboration with Bengal Engineering and Science University, Shibpur, of amount **Rs. 33.00 lakhs** (approx.).
- (ii) Dr. Utpal Roy (PI) and Sri Subhasis Banerjee(Co-PI): *“Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments”* in Collaboration Department of Atomic Energy(DAE), Board of Research in Nuclear Science(BRNS), with total grant of **Rs. 16 lakhs**.

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:

Prof. Paramartha Dutta: Completed DST funded project entitled *“Development of an Intelligent Recognizer of Component Analysis of Manhole Gas Mixture”* in Collaboration with Bengal Engineering and Science University, Shibpur of amount **Rs. 33.00 lakhs** (approx.) during **October 2010** till **March 2013**.

20. Research facility / center with

- a) state recognition :** Nil
b) national recognition: Nil
c) international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: N.A.

22. Publications: (Faculty-wise)

- a) No. of papers published in peer reviewed journals (national/international):**

Dr. Alak Kumar Datta

- i) A. Pal, T. N. Mandal, D. Kundu, **A. K. Datta** and R. K. Pal, “Algorithms for Generating Random Channel Instances for Channel Routing Problem”, International Journal of Applied Research on Information Technology and Computing (IJARITAC) (ISSN: 0975-8070), 2010. vol 1, no 1, pp 106-129
- ii) A. Pal, T. N. Mandal, D. Kundu, **A. K. Datta** and R. K. Pal, “Algorithms for Generating Random Channel Instances for Channel Routing Problem”, International Journal of Applied Research on Information Technology and Computing (IJARITAC) (ISSN: 0975-8070), 2010. vol 1, no 1, pp 106-129.
- iii) A. Pal, T. N. Mandal, **A. K. Datta**, R. K. Pal, and A. Choudhuri, “Approximate and Bottleneck High Performance Routing for Self-healing VLSI Circuits”, Proc. of 2nd IEEE International Workshop on Reliability Aware System Design and Test (RASDAT) (In conjunction with the 24th International Conference on VLSI Design), Chennai, India, Jan. 6-7, 2011.
- iv) A. Pal, T. N. Mandal, S. Saha Sau, **A. K. Datta**, R. K. Pal, and A. Chaudhuri, “Graphs – The Tool to Visualize the Problems in VLSI Channel Routing”, Assam University Journal of Science & Technology: Physical Sciences and Technology, ISSN: 0975-6572, vol. 7, no. II, pp. 73-83, 2011.
- v) A. Pal, S. Saha Sau, T. N. Mandal, **A. K. Datta**, R. K. Pal, and A. Chaudhuri, “A Graph based Reduced Area VLSI Channel Routing Algorithm with Floating Terminals”, Proc. of 3rd International Conference on Recent Advances in Mathematics, Technology and Management, BITM, Santiniketan, WB, India, Mar. 19-20, 2011.
- vi) A. Pal, S. Saha Sau, T. N. Mandal, **A. K. Datta**, R. K. Pal, and A. Chaudhuri, “A Graph based Algorithm to Minimize Total Wire Length in VLSI Channel Routing”, Proc. of 2011 IEEE International Conference on Computer Science and Automation Engineering (CSAE 2011), Shanghai, China, vol. 3, pp. 61-65, Jun. 10-12, 2011.
- vii) A. Pal, S. Saha Sau, T. N. Mandal, R. K. Pal, **A. K. Datta**, and A. Chaudhuri, “Yet an Efficient Algorithm for Computing Reduced Area VLSI Channel Routing Solutions with Floating Terminals”, Proc. of the 14th International Conference on Computer and Information Technology (ICCIT 2011), AIUB, Dhaka, Bangladesh, December 22-24, 2011.

Dr. Paramartha Dutta

- i) S. Bhattacharyya, U. Maulik and **P. Dutta**, “High speed target tracking by fuzzy hostility induced segmentation of optical flow fields”, International Journal on Applied Soft Computing, Vol. 9, No. 1, pp. 126 – 134, 2009.

- ii) Banerjee and **P. Dutta**, “Fuzzy-Controlled Intelligent and Robust Broadcasting (FIRB) in Ad Hoc”, International Transactions on Systems Science and Applications, Vol. 5, No. 1, pp. 44 - 59, 2009.
- iii) J. P. Singh and **P. Dutta**, “Temporal Modelling of Node Mobility in Mobile Adhoc Network”, International Journal of Computing and Information Technology, Vol. 8 No. 1 2010.
- iv) Banerjee, **P. Dutta**, “Fuzzy Controlled Source Initiated Multicasting (FSIM) in Ad Hoc Network”’s, Lecture Notes in Computer Science, Vol. 5966/2010, pp. 55-71, doi: 1007/978-3-642-11659-9_5, 2010.
- v) Banerjee, **P. Dutta**, “Binary Location Search-based Scalable Routing Protocol For Ad Hoc Networks”, International Journal of Computer Networks and Communications (IJCNC) Vol. 2 No. 5, September 2010
- vi) Banerjee, **P. Dutta**, “Reputation-based Attack Resistant Cooperation Stimulation (RACS) for Mobile Ad Hoc Networks”, International Journal of Artificial Intelligence and Applications, Vol. 1 Vo. 3, 2010
- vii) Banerjee, **P. Dutta**, “Fuzzy Controlled Route Discovery For Mobile Ad Hoc Networks”, International Journal of Engineering, Science and Technology, Vol. 2 No. 6, pp. 2337-2346, June 2010.
- viii) Banerjee, **P. Dutta**, “Fuzzy Controlled Adaptive and Intelligent Route (FAIR) Selection in Mobile Ad Hoc Networks”, European Journal of Scientific Research, Vol. 45 No. 3, September 2010
- ix) Banerjee, **P. Dutta**, “Fuzzy Controlled Localized Route-Repair (FLRR) for On-demand Routing Protocols in Ad Hoc Networks”, International Journal of Computer Applications, Vol. 7, No. 6, pp. 1169-1444, September 2010
- x) Banerjee, **P. Dutta**, “Link Stability and Node Energy Conscious Local Route-Repair Scheme for Mobile Ad Hoc Networks”, American Journal of Applied Sciences, Vol. 7(8), pp. 1129-1138, 2010
- xi) Banerjee, **P. Dutta**, “A Survey of Unicast Routing Protocols in Ad Hoc Networks”, International Journal of Advances in Science and Technology, Vol. 1 No. 3, 2010
- xii) S. De, S. Bhattacharyya and **P. Dutta**, “Efficient Gray Level Image Segmentation Using An Optimized MUSIG (OptiMUSIG) Activation Function”, International Journal of Parallel, Emergent and Distributed Systems pp. 1-39, 2010, <http://dx.doi.org/10.1080/17445760903546618>.
- xiii) K. Dasgupta, S. Bhattacharyya and **P. Dutta**, “Three-Dimensional Object Extraction Using A Three-Dimensional Self-Organizing Neural Network (3DSONN) and its Two-Dimensional Counterpart: A Comparative Study”, HETC Journal of Computer Engineering and Applications, 2010.

- xiv) S. Bhattacharyya, U. Maulik and **P. Dutta**, “Multilevel image segmentation with adaptive image context based thresholding”, Applied Soft Computing, vol. 11, No. 1, pp. 946-962, 2011.
- xv) Banerjee and **P. Dutta**, “Limited Area Route Discovery For Mobile Ad Hoc Networks”, Journal Of Scientific And Industrial Research, vol. 70, No. 4, pp. 264 – 269, 2011.
- xvi) Banerjee and **P. Dutta**, “An Efficient Method for Tracking Nodes (EMTN) in Mobile Adhoc Networks”, International Journal of Advances in Science and Technology, vol. 2, No. 3, 2011.
- xvii) D. Mukhopadhyay, S. Dinda and **P. Dutta**, “Designing and Implementation of Quantum Cellular Automata 2:1 Multiplexer Circuit”, International Journal of Computer Applications, vol. 25, No. 1, 2011.
- xviii) J. P. Singh and **P. Dutta**, “Temporal modeling of link characteristic in mobile ad hoc network”, International Journal of Computing and Information Technology, vol. 18, No. 3, pp. 143 – 154, 2011.
- xix) J. P. Singh and **P. Dutta**, “The Temporal Effect of Mobility on Path Length in MANET”, International Journal of Wireless Information Networks, vol. 19, No. 1, pp. 38 – 48, 2012.
- xx) Banerjee and **P. Dutta**, “Fuzzy controlled multi-hop adaptive clustering (FMAC) mobile ad hoc networks”, Scientific Research and Essays, vol. 7, No. 2, pp. 114 – 127, 2012.
- xxi) S. Dasgupta and **P. Dutta**, “An Energy Efficient Genetic Approach for Clustering of Wireless Sensor Network”, International Journal of Information Engineering vol. 2, Issue. 2, pp. 54 - 58, 2012.
- xxii) K. Dasgupta, J. K. Mandal, **P. Dutta**, “Hash Based Least Significant Bit technique for Video Steganography (HLSB)”, International Journal of Security, Privacy and Trust Management (IJSPTM), ISSN 2277-5498, Academy & Industry Research Collaboration Center (AIRCC), pp 1-11, April 2012 DOI: 10.5151/ijstpm.2012.2201.
- xxiii) K. Mondal, **P. Dutta** and S. Bhattacharyya, “Fuzzy Logic Based Gray Image Extraction and Segmentation”, International Journal of Scientific and Engineering Research, vol. 3, No. 4, pp. 1 – 14, 2012.
- xxiv) S. Bhattacharyya, U. Maulik and **P. Dutta**, “A Parallel Bi-Directional Self Organizing Neural Network (PBDSONN) Architecture For Color Image Extraction and Segmentation”, Neurocomputing, vol. 86, pp. 1 – 23, 2012.
- xxv) S. Dasgupta, **P. Dutta**, “An Energy Efficient Genetic Approach for Clustering of Wireless Sensor Network”, International Journal of Information Engineering (IJIE), Vol. 2, No. 2, pp 54-58, Jun 2012.

- xxvi) V. K. Ojha, **P. Dutta**, and H. Saha,. “Performance Analysis Of Neuro Genetic Algorithm Applied On Detecting Proportion Of Components In Manhole Gas Mixture”, International Journal of Artificial Intelligence & Application, vol. 3, No. 4, pp. 83-98. 2012. DOI : 10.5121/IJAIA.2012.3406
- xxvii) S. Dasgupta and **P. Dutta**, “A Democratic Head Election Strategy for Clustering in Wireless Sensor Network”, International Journal of Computer Applications (0975 – 8887) vol. 54, No.16, pp. 32 – 36, 2012.
- xxviii) V. K. Ojha and **P. Dutta**,. “Performance Analysis of Neuro Swarm Optimization Algorithm Applied on Detecting Proportion of Components in Manhole Gas Mixture”, Artificial Intelligence Research, vol. 1, pp. 31 – 46, 2012. DOI: 10.5430/JNEP.V1N1PX.
- xxix) D. Mukhopadhyay and **P. Dutta**, “Quantum Cellular Automata Based Novel Unit Reversible Multiplexer”, Advanced Science Letters, vol. 16, pp. 163-168, 2012.
- xxx) D. Mukhopadhyay and **P. Dutta**, “Quantum Cellular Automata Based Novel Unit 2:1 Multiplexer”, International Journal of Computer Applications, vol. 43, No. 2, pp. 22-25, 2012.
- xxxi) Banerjee, **P. Dutta** and S. Ghosh, “Fuzzy Controlled Energy Efficient Routing Protocol (FE²RP) for Mobile Ad Hoc Networks”, International Journal of Computer Applications, vol. 61, No. 7, 2013.
- xxxii) S. Dasgupta and **P. Dutta**, “A Novel Game Theoretic Approach for Cluster Head Selection in Wireless Sensor Network”, International Journal of Innovative Technology and Exploring Engineering, vol. 2, No. 3, pp. 40-43, February 2013.
- xxxiii) S. Dasgupta and **P. Dutta**, “CIAC: Cluster Head Induced Affinity based Clustering for prolonging the Lifetime of Wireless Sensor Network”, International Journal of Computer Application, vol. 75, No. 10, pp. 18-23, August 2013.
- xxxiv) Banerjee, **P. Dutta** and S. Ghosh, “Experience Based Energy efficient Reactive Routing Protocol (EXERP) for Mobile Ad-hoc Networks”, Arabian Journal for Science and Engineering, Springer, 2013, ISSN 1319-8025, DOI 10.1007/s13369-013-0813-9
- xxxv) J. Hazra, A. RoyChowdhury and **P. Dutta**, “An approach for determining angle of rotation of a gray image using weighted statistical regression”, International Journal of Scientific and Engineering Research, vol. 4, issue 8, pp. 100 – 1013, 2013.

- xxxvi) D. Dutta, **P. Dutta**, and J. Sil, “Categorical Feature Reduction Using Multi Objective Genetic Algorithm in Cluster Analysis”, LNCS Transactions on Computational Science, Springer (Accepted).
- xxxvii) D. Dutta, **P. Dutta**, and J. Sil, “Simultaneous Feature Selection and Clustering with Mixed Features by Multi Objective Genetic Algorithm”, International Journal on Hybrid Intelligence Systems, IOS Press (In press).
- xxxviii) **P. Dutta**, “A theoretical study on measuring performance of binary encodable evolutionary class of algorithms”, in Proceedings of the National Conference on Computing and Communication Systems (Cocosys '09), pp. 15 – 25, 2009.
- xxxix) **P. Dutta** and A. Banerjee, “Fuzzy-controlled Power-aware Multicast Routing (FPMR) For Mobile Ad Hoc Networks”, in Proceedings of the second International Conference on Computer, Communication, Control and Information Technology (C3IT – 2012), Procedia Technology, Volume 4, 2012, Pages 38-49, 2012.

Dr. Balaram Bhattacharyya

- i) R Bhattacharyya, **B Bhattacharyya** and A Chowdhuri, “Encrypted Prefix Tree for Pattern Mining”, Foundations of Computing and Decision Sciences, **34**, 1, pp.3-22, 2009.
- ii) **B Bhattacharyya** and B Mandal, “Color Image Segmentation through Graded Clustering”, accepted for presentation and publication in Int'l Conference on *Advances on Computer Vision and Information Technology* (IEEE conference), Aurangabad, India, Dec. 16-19, 2009.
- iii) B Mandal and **B Bhattacharyya**, “An Improved Clustering for Color Image Segmentation”, *Proceedings of National Conference on Information and Communication Technology* held in NMIMS University, Mumbai, 2009.
- iv) T. Mukhopadhyay and **B Bhattacharyya**, “Congestion in SMS-based Query-Response Mechanism - A Possible Solution”, accepted for presentation and publication in Proc. of *Int'l Con. On Advances in Computing, Control, and Telecommunication Technologies*, Trivandrum, India, Dec 28-30, 2009.
- v) T. Mukhopadhyay and **B Bhattacharyya**, “Mechanism for Railway Season Ticketing through Mobile Telephony”, *Proceedings of National Conference on Information and Communication Technology-09* held in NMIMS University, Mumbai, March 2009.
- vi) T. Mukhopadhyay and B Bhattacharyya, “A novel local IP access framework for data applications over 3G femtocells”, *Proc. of International*

Conference on Mobile Internet Devices: Ubiquitous Computing in a World on the Move, Hyderabad, India, December 17-18, 2010.

- vii) T. Mukhopadhyay and **B Bhattacharyya**, “A Novel M-ticketing Solution for Unreserved Railway Booking”, *Proc. of National Conference on Emerging Technologies in Computer Science*, Bangalore, India, August 26-28, 2010.
- viii) Byomkesh Mandal and **Balaram Bhattacharyya**, “A Rough Set Integrated Fuzzy C-Means Algorithm for Color Image Segmentation”, *ICT2010:339-343*
- ix) **Bhattacharyya, B.**, Mandal, B., Mukhopadhyay, T., “Robust Segmentation of Color Image for Wireless Applications”, In Fourth International Conference on Machine Vision (ICMV 2011), *Proc. of SPIE*, vol. 8349, 83490R, Singapore, (December 9-10, 2011)
- x) Mandal, B. and **Bhattacharyya, B.**, “Biomedical Color Image Segmentation through Precise Seed Selection in Fuzzy Clustering”. *EANN-13 proceedings, CCIS (Springer) 311*, pp. 482-491, 2012.

Dr. Utpal Roy

- i) Utpal Roy and Bhaskar Das, “**The Quantum Genetic Algorithm : An Optimization Technique**”: International Conference on Recent Trends in Science & Technology(ICRTST 2013)(College of Engineering & Management, Kolaghat, West Bengal), 27-29 December, 2013 [ISBN No. 978-93-603-08449-9] Page no. 101(2013).
- ii) Soumen Roy, Utpal Roy and D D Sinha, “**Combined User Authentication Technique**”, International Conference on Recent Trends in Science & Technology(ICRTST 2013))(College of Engineering & Management, Kolaghat, West Bengal) 27-29 December, 2013, [ISBN No. 978-93-603-08449-9] Page no. 106(2013).
- iii) Bhaskar Das, Sudip Misra, Utpal Roy, and Mohammad S. Obaidat, “Dynamic Relay Selection for MAC-level Retransmission in Vehicular Ad Hoc Networks,” **Global Telecommunications Conference (GLOBECOM 2013)**, (published in IEEE Explorer), 9-13 Dec. 2013, Atlanta, US(2013).
- iv) Soumen Saha, Dr. Utpal Roy and D D Sinha, “VANET Simulation in Different City Scenario”, **International Journal of Advances in Electronic and Electronic Engineering**, (ISSN 2231-1297), Vol.3, No. 9, pp1219-1226(2013).
- v) Soumen Saha, Dr. Utpal Roy and D D Sinha, “**Comparative Study of Ad-Hoc Protocols in MANET and VANET**”, **International Journal of**

- Advances in Electronic and Electronic Engineering**, (ISSN 2231-1297), Vol.3, No. 8, pp1083-1096(2013).
- vi) Anandarup Roy, S K Parui and Utpal Roy, “**A Pair-copula Based Scheme for Text Extraction from Digital Images**”, 19th International Conference in Document Analysis and Recognition -2013, 892-896, (**ICDAR 2013, IEEE Publication**).
 - vii) T K Bhowmik, U. Roy and S K Parui, “**Lexicon Reduction Technique for Bangla Handwriting Word Recognition**”, - IEEE Computer Society (CPS) 10th **IAPR Workshop in Document Analysis System 2012 (DAS 2012)** , held during March 27th -29th , 2012, Gold Coast, Queensland, Australia. Bound volume ISBN No. 13:978-0-7695-4661-2, Page 196.
 - viii) **B.Das and U. Roy**, Numerical Simulation of Plankton Dynamics in the Gulf of Kutch-, IGARSS 2013, **International Geosciences and Remote Sensing Symposium**, 21-26, July, 2013 [978-1-4799-1114-1/13/\\$31.00@2013](http://www.earthwatch.org/978-1-4799-1114-1/13/$31.00@2013) IEEE(p314-317).
 - ix) S. Saha, U. Roy, D. D. Sinha, “**Performance Analysis of VANET Scenario in Ad-Hoc network by NCTUNS Simulators**”, International Journal of Information and Computational Technology (IJICT), Vol 3, No.7, p575, 2013.
 - x) A. Roy, S K Parui and U. Roy, “**A Finite Mixture Model Based on Pair-Copula Construction of Multivariate Distributions and its Application to Color Image Segmentation**” ICVGIP(The Eight Indian Conference on Vision, Graphics and Image Processing) 2012, ACM Digital Library.
 - xi) U. Roy, Achintya K. Mandal, A. C. Mondal, “**A Simple Approach to E-Content Management and Delivery in Digital Library**”, The IUP **Journal of Information Technology**, [ISSN 0973-2896], Vol. VIII, No. 1, March 2012, pp. 7-21,
 - xii) Achintya K. Mandal, U. Roy, “**An efficient Approach for E-Content Management and Delivery in Digital Library**”, **World Digital Libraries**[ISSN No.: 0974 – 567X], Vol. 5, Issue-1, June 2012, pp. 1-10.
 - xiii) B. Das and U Roy, “**Secured Geocast Routing in VANET (Vehicular Ad-Hoc Network) with two Stage Efficient Communication Protocol**”, **International Journal Computer Application** [973-93-80870-40-8], Vol-53, No. 12 p34-38(2012)
 - xiv) S Saha and U Roy, “**Partial Temporal Ordering in Distributed Network**”, **International Journal Computer Application** [ISSN No. 973-93-80870-40-8] Vol-53, No.12, Page 19(2012).

- xv) B. Das and U Roy “**Accident Avoidance System in VANET Using Mobile Communication**” , , *International Journal of Information and Communication Technology*, [ISSN 0974-2255]. *Vol-2, No.-3*, 2012, pp-355-358
- xvi) A. Roy, S K Parui and U Roy, “**A Mixture Model of Circular-Linear Distributions for Color Image Segmentation**”, *International Journal of Computer Application [ISSN 973-93-80870-39-1]*, Vol- 58, No-9, p-6(2012).
- xvii) *Utpal Roy and Achintya K. Mandal*, “**The Digital Age and the Librarian**”, Proceedings of National Conference on Beyond Librarianship: Search for New Frontier (NCBLSNF 2012)[ISBN No. 978-93-81583-60-9],(2012) pp 128.
- xviii) Soumen Roy, Utpal Roy and Debdatta Sinha, **Intelligent Road Traffic Control Using Multi-Level Feedback Queue**, Proceedings of First International Conference on Intelligent Infrastructure(47th Annual Convention of Computer Society of India, CSI_2012, IEEE)TMH Education Private Limited, Page p111, (ISBN-13:978-1-25-908170-7, ISBN-10: 1-25-906170-1)(2012)
- xix) Utpal Roy, Achintya K Mandal and Anandarup Roy, “Color Image segmentation Using Graph Theoretic Approach”, 6th International Conference on Mathematical Sciences and Information Technology, 21-23 December, 2012 .
- xx) Utpal Roy and Susmita Nayek, “Classical and Quantum Steganography”, Proceeding of National Seminar on Intellectual Property Rights and Patent Laws(IPRPL-2012), P.90 .
- xxi) Utpal Roy and Susmita Das, Agile Software Development Methodology and its Cost Estimation Technique: **National Journal of System and Information Technology** (ISSN No. 0974-3380), **Page 209-225(2012).**
- xxii) **P K Bhattacharjee and Utpal Roy**, “ADOV Routing Protocol Is the Most Useful Routing Protocol in VANET Communications”, **Proceeding 2nd National Conference ion Computing and Systems-2012**(ISBN No. 93-80813-18-X) **page-1(2012).**
- xxiii) Bhaskar Das and Utpal Roy, “**Development of Collision avoidance Algorithm in VANET (Vehicular Ad-hoc Network)**”, **Proceeding 2nd National Conference ion Computing and Systems-2012**(ISBN No. 93-80813-18-X) **page 252(2012).**

- xxiv) Susmita Nayek and Utpal Roy, **“Underlying Physics of Quantum Cryptography”**; **Proceeding 2nd National Conference on Computing and Systems-2012**(ISBN No. 93-80813-18-X) page 248(2012).
- xxv) Susmita Das and Utpal Roy, **“Agile Software Development Methodology and Its advances in Quality Assurance”**, **Proceeding 2nd National Conference on Computing and Systems-2012**(ISBN No. 93-80813-18-X) **page-81(2012)**.
- xxvi) Soumen Saha and Utpal Roy, **“Partial temporal Ordering in Distributed Ad-Hoc Network”**, **Proceeding 2nd National Conference on Computing and Systems-2012**(ISBN No. 93-80813-18-X) Page-289(2012).
- xxvii) Utpal Roy, T K Bhowmik and S K Parui, **“Application of Hidden Markov Model for Handwriting Character Recognition”**, **Proceeding of UGC Sponsored National Conference on Research and Higher Education in Computer Science and Information Technology**(ISBN 978-81-923820-0-5) Page-133(2012).
- xxviii) Bhaskar Das and Utpal Roy, **“Collision Warning System with monitoring Traffic in VANET using mobile communication with Android based devices based on geocast routing protocol on Indian highway scenario”**, **Proceeding of UGC Sponsored National Conference on Research and Higher Education in Computer Science and Information Technology**(ISBN 978-81-923820-0-5) Page-63(2012).
- xxix) A. Roy, S.K. Parui, D. Nandi, Utpal Roy, **Color Image Segmentation Using a Semi-Wrapped Gaussian Mixture Model**- Pattern Recognition and Machine Intelligence - 4th International Conference, PReMI 2011, Moscow, Russia, June 27 - July 1, 2011. Proceedings, Book title, PReMI Springer, Lecture Notes in Computer Science Volume: 6744, p-148(2011)
- xxx) Anandarup Roy, Swapan Kumar Parui and **Utpal Roy**, **“TASOCNN: A Topology Adaptive Self-Organizing Circular Neural Network and its Application to Color Segmentation”**, **Indian Conference on Computer, Vision, Graphics and Image Processing -2010(ICVGIP10)** 427-434 (Held on IIT Madras, Chennai India, 16-18 Dec, 2010).
- xxxi) Bhaskar Das and Utpal Roy, **“Secured Geocast Routing in VANET (Vehicular Ad-Hoc Network)with two stage efficient communication protocol”**, **International Conference on Emerging Trends in Soft Computing and ICT, SCICT 2011**, 16-17 March, 2011 , **Proceeding**(ISBN 978-81-920913-3-4) page No. 202
- xxxii) Utpal Roy, Achintya Kr. Mandal and Anandarup Roy, **“PRIM’S ALGORITHM FOR COLOR IMAGE SEGMENTATION”**, **International**

- Conference on Emerging Trends in Soft Computing and ICT, SCICT 2011, 16-17 March, 2011, Proceeding ISBN 978-81-920913-3-4)Page no. 193(2011)
- xxxiii) Pijush Kanti Bhattacharjee and Utpal Roy, “A Novel Approach for Authentication Techniques in Vehicular Ad-hoc Network”, National Conference on Computing and System 2010, Proceeding Page No. 113, ISBN no. 8190744174(2010).
- xxxiv) Subhasis Banerjee and Utpal Roy, “Vehicular Transmission Control Protocol”, National Conference on Computing and System 2010, Proceeding Page No. 203, ISBN no. 8190744174(2010)
- xxxv) **Utpal Roy**, A.K. Mandal, A.C. Mandal, “Greedy Approach to Graph-Based Algorithm for Color Image Segmentation”, Proceeding International Conference on Computing and Systems -2010 p42-47(2010).
- xxxvi) U.Roy, B. Das, P K Bhattacharjee and A K Mandal, “Secured Geocast Routing Protocol in VANET(Vehicular Ad-hoc Network)” Proceeding International Conference on Computing and Systems -2010, p64-68(2010).
- xxxvii) Utpal Roy and A. K. Mandal and S. Mukherjee, “Detection and Analysis of Forest Cover Changes of Indian Sundarbans with the help of Satellite Data”, Journal of Environmental Science and Engineering, **Vol.53, No.3, p309-318(2011).**
- xxxviii) Pijush Bhattacharjee, Utpal Roy and A K Bhattacharjee, “Artificial Intelligence Based Authentication Technique with Three Attributes in Vehicular Adhoc Network”, International Journal of Computer Theory and Engineering, Vol -3, page 395(2010).
- xxxix) A.K. Mandal and Utpal Roy, Novel Approach for E-Content Management and Delivery in Digital Library –International Conference in Digital Library- 2010(ICDL10), proceeding p453.
- xl) Utpal Roy, Sanchita Pal Choudhuri and Susmita Nayek, “Introduction to Quantum Computing and solution of Travelling Salesman problem” National Journal of Science and Information Technology , Vol-2, No.1, p54-72(2009).
- xli) Subhasis Banerjee and Utpal Roy, “Passive Cluster based Routing Protocol”, ICFAI, Journal of Information Technology- Dec. 2009, Vol. V. No. 4, Page 7(2009).
- xlii) Utpal Roy, “Computation of resonances below $P_s(n=2)$ threshold in positron-hydrogen system using stabilization method”, Indian journal of Physics(IJP) Vol. 83(12), 1637-1645(2009).

- xliii) Somnath Mukherjee, Utpal Roy and Achintya Mandal, “Forest Cover Changes with the help of Remote Sensing and GIS in Lothian, South-Surendranagar and Dhanchi Island of Indian Sundarbans”, Proceeding IEEE National Conference on Computing and Communication 2009(CoCosys09), Page 87-93(2009) .

Mr. Tathagato Mukhopadhyay

- i) B Bhattacharyya, B Mandal and **T. Mukhopadhyay**, “Robust Segmentation of Color Image for Wireless Applications”, ICMV 2011, Proc of SPIE, Vol. 8349R Singapore, Dec., 2011.
- ii) **T. Mukhopadhyay** and B Bhattacharyya, “A novel local IP access framework for data applications over 3G femtocells”, *Proc. of International Conference on Mobile Internet Devices: Ubiquitous Computing in a World on the Move*, Hyderabad, India, December 17-18, 2010.
- iii) **T. Mukhopadhyay** and B Bhattacharyya, “A Novel M-ticketing Solution for Unreserved Railway Booking”, *Proc. of National Conference on Emerging Technologies in Computer Science*, Bangalore, India, August 26-28, 2010.
- iv) **T. Mukhopadhyay** and B Bhattacharyya, “Congestion in SMS-based Query-Response Mechanism - A Possible Solution”, *Proc. of Int’l Con. on Advances in Computing, Control, and Telecommunication Technologies*, Trivandrum, India, Dec 28-30, 2009. (indexed in IEEE Xplore and IEEE CS Digital Library)
- v) **T. Mukhopadhyay** and B Bhattacharyya, “Mechanism for Railway Season Ticketing through Mobile Telephony”, *Proceedings of National Conference on Information and Communication Technology-09* held in NMIMS University, Mumbai, March 2009.
- vi) **T. Mukhopadhyay** and B Bhattacharyya, “Possible Optimization Approaches of Network Search Algorithm in GSM+UMTS Environment”, Chapter in book titled “Trends in Networking and communication” published by Atlantic, 2009; ISBN10 :8126910526, ISBN13 : 9788126910526

Mr. Subhasis Banerjee

- i) **S. Banerjee**, U. Roy , S. Begam, “Passive Cluster based Routing Protocol”, ICFAI, Journal of Information Technology- Dec. 2009, Vol. V. No. 4, Page 7
- ii) **S. Banerjee** and U. Roy, “Vehicular Transmission Control Protocol” , National Conference on Computing and System 2010, Proceeding Page No. 203, ISBN no. 8190744174.

Mrs. Sanchita Pal Choudhuri

- i) Utpal Roy, **Sanchita Pal Choudhuri** and Susmita Nayek, “Introduction to Quantum Computing and Solution of Travelling Salesman Problem”, National Journal of Science and Information Technology, Vol-2, No.1, p54-72(2009).

Mr. Madhusudan Paul

- i) **M. Paul**, “A Relationship Oriented Framework for Learning in Structured Domains”, et. al., IJCSET, ISSN: 2044-6004, 2010, 1:193-198.
- b) **Monographs:** – Nil
- c) **Chapters in Books:**

Prof. Paramartha Dutta

- i) S. Bhattacharyya and **P. Dutta**, (eds. Md. A. Khan and A. Q. Ansari), “Fuzzy logic: concepts, system design and applications to industrial informatics”, in *Handbook of Research on Industrial Informatics and Manufacturing Intelligence: Innovations and Solutions*, Chapter 3, pp. 33 – 71, IGI Global, Hershey PA, USA, **2012**.
- ii) **P. Dutta**, P. Bhattacharyya and S. Bhattacharyya, (eds. Md. A. Khan and A. Q. Ansari), “Evolutionary computing: principles and applications to portfolio optimization”, in *Handbook of Research on Industrial Informatics and Manufacturing Intelligence: Innovations and Solutions*, Chapter 12, pp. 271 – 295, IGI Global, Hershey PA, USA, **2012**.
- iii) B. Chakraborty, S. Bhattacharyya and **P. Dutta**, (eds. S. K. Pal, A. Petrosino and L. Maddalena), “An unsupervised video shot boundary detection technique using fuzzy entropy estimation of video content”, in *Handbook on Soft Computing for Video Surveillance*, Chapter 9, pp. 237 – 253, Taylor & Francis, CRC Press, **2012**.
- iv) V. K. Ojha and **P. Dutta**, (eds. S. Bhattacharyya and P. Dutta), “Performance Comparison of Different Intelligent Techniques Applied on Detecting Proportion of Different Component in Manhole Gas Mixture”, in *Handbook of Research on Computational Intelligence for Engineering, Science, and Business*, **IGI Global**, USA, DOI: 10.4018/978-1-4666-2518-1, ISBN13: 9781466625181, ISBN10: 146662518X, EISBN13: 9781466625198. **2012**.
- v) V. K. Ojha and **P. Dutta**, “Conjugate Gradient Trained Neural Network for Intelligent Sensing of Manhole Gases to Avoid Human Fatality”, in *Recent Trends in Knowledge Representation and Computational Intelligence*, **IGI Global**, (Accepted).
- d) **Edited Book:**

Prof. Paramartha Dutta

- i) S. Bhattacharyya and **P. Dutta**, Edited Book entitled “*Handbook of Research on Computational Intelligence for Engineering, Science, and Business*” (2 Volumes) to be published by **IGI Global, USA** in **November 2012**.

e) **Books with ISBN with details of publishers:**

Prof. Paramartha Dutta

- i) **P. Dutta**, K. Dasgupta and K. P. Banerjee, Authored Book entitled “*Complete Reference for System Programming and Administration*”, published by Matrix Educare
- Fourth Edition **March 2009**.
 - Fifth Edition in **February 2010**.
 - Sixth Edition in **January 2011**.
 - Seventh Edition in **December 2011**
- ii) **P. Dutta**, K. Dasgupta and S. Bhattacharyya, Authored Book entitled “*Complete Reference for Inter Networking*”, published by Matrix Educare
- Fourth Edition in **September 2009**.
 - Fifth Edition in **October 2010**.
 - Sixth Edition in **June 2011**.
 - Seventh Edition in **June 2012**.
- iii) **P. Dutta** and A. Pal, Authored Book entitled “*Complete Reference for Design and Analysis of Algorithms*”, (for Computer Science and Engineering) published by Matrix Educare
- Fourth Edition in **August 2009**.
 - Fifth Edition in **October 2010**.
 - Sixth Edition in **June 2011**.
 - Seventh Edition in **July 2012**.
 - Eighth Edition in **June 2013**.
- iv) **P. Dutta** and A. Pal, Authored Book entitled “*Complete Reference for Advanced Computer Architecture*”, published by Matrix Educare
- Third Edition in **March 2009**.
 - Fourth Education in **February 2010**.
 - Fifth Edition in **January 2011**.
 - Sixth Edition in **April 2012**.
 - Seventh Edition in **January 2013**.
- v) J. P. Singh, **P. Dutta** and A. Nag, Authored Book entitled. “*Operating System*”. Published by Tata Mcgraw Hill, New Delhi, India.
- vi) V. K. Ojha and **P. Dutta**, Authored Book entitled “*Intelligent Gas Recognition System: Analysis and Design Issues*”, published by **Lambert**

Academic Publishing, Saarbrücken, Germany, 2012, ISBN: 978-3-659-21734-0.

- vii) **P. Dutta** and D. DuttaMajumder, Authored Book entitled “*Performance Analysis of Evolutionary Algorithms*”, published by **Lambert Academic Publishing, Saarbrücken, Germany, 2012, ISBN: 3659183490, 978-3-659-18349-2.**
- c) **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):** N/A
- d) **Citation Index — range / average:** N/A
Prof Paramartha Dutta : 246 AS PER Google Scholar Citation
Dr Utpal Roy : 126 as per Google Scholar Citation
- e) **SNIP:** N/A
- f) **SIR:** N/A
- g) **Impact Factor — range / average:** N/A
- h) **h-index:**
Prof Paramartha Dutta : 8
Dr Utpal Roy: 8
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated:** Nil
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
 - a) Prof Paramartha Dutta
 - b) Dr Utpal Roy
- 26. **Faculty serving in**
 - a) **National committees:**
Prof Paramartha Dutta
 - i) Advisor to the West Bengal Pollution Control Board for their networking of different branches across West Bengal in 1998.
 - ii) Member of the recruitment board for inducting Programmer in the West Bengal Pollution Control Board in the year 1999.
 - iii) Member of the recruitment board for inducting IT Officers in the Allahabad Bank in the year 2004.
 - iv) Member of the Research Board of Advisors of the American Biographical Institute for distinguished standing since 2004.

- v) Member of Board of Studies in Computer Applications of the University of Kalyani in 2005.
- vi) Member of Board of Studies in Computer Science of the University of Kalyani in 2007.
- vii) Member of Academic Council of Visva Bharati, Santiniketan since November, 2007.
- viii) Member of the Departmental Promotion Committee of Visva Bharati, Santiniketan since 2009.
- ix) Reviewer of various Journals including –
 - ✓ IEEE Transactions on System, Man and Cybernetics
 - ✓ Pattern Recognition
 - ✓ Signal Processing
 - ✓ IEEE Communication Letters
 - ✓ Journal of Phytopathology
- x) Member Expert nominated by the Ministry of Human Resource and Development, Government of India of the Selection Committee for award of Commonwealth Scholarship offered by the Government of United Kingdom, 2010.
- xi) Member of panel of Judges of the Young IT Professional Awards, Eastern Regional Contest, conducted by the Computer Society of India, Kolkata Chapter, held on 16.01.2010.
- xii) Member of Technical Committee of the West Bengal Board of Joint Entrance Examination during 2009 to 2011.
- xiii) Member of Board of Undergraduate Studies in Computer Science of Kalyani University since 2011.
- xiv) Member of Board of Studies in Computer Science, Information Technology and Computer Application of West Bengal University of Technology since 2011.
- xv) Member of the School Board of Triguna Sen School of Technology of Assam University, Silchar since 2011.
- xvi) Member Chairman nominated by the University Grants Commission, Govt. of India of the Review Committee of the Special assistance Programme in the Department of Computer Science and Automaton, Indian Institute of Science, Bangalore in November 2011.
- xvii) Member of Scientific Committee and Editorial Review Board on Engineering and Applied Sciences of World Academy of Science Engineering and Technology.
- xviii) Member of Board of Studies in Computer Science and Engineering of Narula Institute of Technology, Kolkata since 2012.

- xix) Member of panel of Judges of the Student Research Convention, conducted by the West Bengal University of Technology on 29.01.2013.
- xx) Member of Board of Studies in Post Graduate Studies in Computer Science and Engineering of Tripura University since 2013.
- xxi) Advisor to the Central Mechanical Engineering Research Institute, Durgapur funded by the Council of Scientific and Industrial Research (CSIR), Govt. of India for their Research project on “Smart Home Energy Efficient Technology Environment” at Embedded System Laboratory since 2013.
- xxii) Member of the Expert Inspection Team appointed by the West Bengal University of Technology in a visit on 13/03/2013.
- xxiii) Member of Expert Committee for Faulty Appraisal of the Asansol Engineering College held on 17.08.2013.
- xxiv) Session Chair in various Conferences/seminars/seminars –
 - ✓ Technical Session in International Conference on Computational Intelligence and Communication Networks (CICN2012), Mathura, India, November 2012.
 - ✓ Technical session in Zonal Seminar on ICT in present Wireless Revolution on 31.08.2013
 - ✓ Technical Session in International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA 2012), Kalyani, India, September 2013.
- xxv) Member of Selection Board for Faculty recruitment in various Universities/Institutes encompassing
 - ✓ National Institute of Technology, Arunachal Pradesh
 - ✓ Assam University, Silchar, Assam
 - ✓ Sambalpur University, Orissa
 - ✓ Visva Bharati University, Santiniketan, West Bengal
 - ✓ Burdwan University, Burdwan, West Bengal
 - ✓ Bengal Institute of Technology and Management, Santiniketan
 - ✓ Supreme Knowledge Foundation Group of Institutions, Mankundu
 - ✓ College of Engineering and Management, Kolaghat

Prof. Balaram Bhattacharyya:

- i) External Member, BoS, Department of Computer Science, Benaras Hindu University, Varanasi
- ii) External member, PG Board of Studies in Comp Science, University of Burdwan, 2009

b) International committees:

Prof. Paramartha Dutta

- i) Senior Member IEEE
- ii) Senior Member ACM

Prof. Balaram Bhattacharyya:

- i) Member, Programme Committee and Reviewer, International Conference 'ITBAM', DEXA, Austria since 2010.

c) Editorial Boards:

Prof. Balaram Bhattacharyya: Member, Editorial Board of the journal 'Sajosps' \ **Dr Utpal Roy:** Member, editorial board, 2nd International Conference in Artificial Intelligence in Computer Science, 2014, Indonesia.

d) Any other (please specify):

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

Prof. Paramartha Dutta

- i) **Joint International Conference** on "*Swarm, Evolutionary & Memetic Computing*" (SEMCCO) and "*Fuzzy and Neural Computing Conference*" (FANCCO) organized by the Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam, India held during **19/12/2011 – 21/12/2011**.
- ii) **First International Symposium** on "*Physics and Technology of Sensors*" (ISPTS - 1) held at Pune, India during **08/03/2012 – 10/03/2012**.
- iii) **International Conference on** "*Computational Intelligence and Communications Networks*" (CICN 2012) held at GLA University Mathura, India during **03/11/2012 – 05/11/2012**.

Prof. Balaram Bhattacharyya

- i) National Workshop on Modern Biology and Development of Research Programme at Jawaharlal Nehru University, Delhi, India during December 14-16, 2009

Prof. Alak Kumar Datta

- i) 3-day workshop, RHECSIT-2012, UGC sponsored, Kolkata 2012

Dr. Utpal Roy

- i) International Conference on Recent Trends in Science & Technology (ICRTST 2013), (College of Engineering & Management, Kolaghat, West Bengal), 27-29 December, 2013.

- ii) Global Conference on “Recent Trends in Electronic Communication Engineering, Power and Control(ECEPC-2013) held in JNU during 7-8 September -2013” - Delivered keynote address & Chaired the Technical sessions III & IV.
- iii) Second International Conference on Computing and System-2013, ICCS-2013. 21-22 September, 2013 Univ. of Burdwan (Proceeding ISBN(13): 978-9-35-134273-1)
- iv) 8th Conference on Computer Vision, Graphics and Image Processing 2012 (ICVGIP 2012) held at IIT Bombay during 16-19 Dec. 2012.
- v) The First International Conference on Intelligence Infrastructure CSI 2012, 47th Annual National Convention Computer Society of India 1-2 December, 2012.
- vi) 10th IAPR Workshop in Document Analysis System 2012 (DAS 2012) , held during March 27th -29th , 2012, Gold Coast, Queensland, Australia.
- vii) International Conference on Pattern Recognition and Machine Intelligence(PReMI-2011) held in National Research University and Higher School of Economics, MOSCOW, Russia during June 27 – 1 July. Delivered a Talk and Chaired a Session of the Conference.
- viii) UGC Sponsored National Conference on Research and Higher Education in Computer Science and Information Technology RHECSIT 2012.
- ix) Second National Conference on Computing and Systems – 2012, March 15-16, 2012, The University of Burdwan, West Bengal.
- x) International Conference on Computing and Systems – 2010, Nov. 19-20, 2010
- xi) National Conference on Computing and System 2010, 29th January, 2010.
- xii) 5th International Conference of IMBIC (Institute for Mathematics, Bio-informatics, Information-Technology and Computer Science, Kolkata) December 18-20th, 2011.
- xiii) First International Conference on Emerging Trends in Soft Computing and ICT, Bilaspur University, C.G 16-17 March, 2011.
- xiv) Seventh Conference on Computer Vision, Graphics and Image Processing 2010 (ICVGIP 2010), IIT Chennai, India. 12-15 Dec. 2010 (IEEE) [deliver a talk].
- xv) Sixth Conference on Computer Vision, Graphics and Image Processing 2008 (ICVGIP 2008), Bhubaneswar, India. 16-19 Dec. 2008(IEEE Kharagpur Section).
- xvi) IEEE National Conference in Computing and Communication System 2009(CoCosys 09), UIT Burdwan, 2 – 4 January, 2009.

Sri Tathagato Mukhopadhyay

- i) National Conference on Information and Communication Technology at NMIMS University, Mumbai, during March 2009.
- ii) DST Sponsored Programme on “Science Administration and Research Management” at Department of Science and Technology, ASCI, Hyderabad; during April 2010.
- iii) Two-day Tutorial Workshop on Cryptology by University of Calcutta and Centre for Excellence in Cryptology, Indian statistical Institute, Kolkata at Rajabazar Science College, Kolkata; during July 2011.

Smt Kakali Datta

- i) 1st Refresher Course in Information and Communication Technology [ICT(MD)]at UGC Academic Staff College, University of Burdwan during March 09-29, 2010
- ii) A Short Term Course on ‘Data Mining and Data Warehousing’at Quality Improvement Programme, All India Council for Technical Education, Dept. of Computer Science & Technology, Bengal Engineering College (Deemed University), Howrah during March 24-27, 2009
- iii) Two-day seminar on ‘Engineering Application of Computational Intelligence’at St. Thomas’ College of Engineering and Technology, 4, Diamond Harbour Road, Kolkata – 700023 during April 3-4, 2009.
- iv) “National Seminar on Science and Nature: Tagore's vision and its relevance” at Siksha-Bhavana, Visva-Bharati, Santiniketan, during 12-13 March, 2011

Sri Subhasis Banerjee

- i) 70th Orientation Programme at UGC Academic Staff College, University of Burdwan during June , 2009
- ii) 1st Refresher Course in Information and Communication Technology [ICT(MD)]at UGC Academic Staff College, University of Burdwan during March 09-29, 2010
- iii) National Conference on Computing & Systems at University of Burdwan on 29 January, 2010
- iv) “National Seminar on Science and Nature: Tagore's vision and its relevance” at Siksha-Bhavana, Visva-Bharati, Santiniketan, during 12-13 March, 2011

Sri Madhusudan Paul

- i) Short term course on Computational Biology, Bioinformatics & Their Application to Healthcare at Department of Computer Science & Engineering, IIT Kharagpur, during 28th October – 1st November, 2013

- ii) Three-Day Research Promotion Workshop on Introduction to Graph and Geometric Algorithms sponsored by National Board of Higher Mathematics, Department of Atomic Energy, Government of India at Department of Computer Science & Engineering, IIT Guwahati, 21st -23rd October, 2011
- iii) One-Day Workshop on Web Services, Service Composition & Agent Technology at Department of Computer Science, Pondicherry University, 31th July, 2009
- iv) One-Day Workshop on Grid Computing: Technology and Future Research at Department of Computer Science, Pondicherry University, 18th April, 2009
- v) Two-Day National Workshop on Data Mining and Data Warehousing at Department of Statistics & Department of Computer Science, Pondicherry University, during 25th - 26th March, 2009
- vi) Three-Day Workshop on Information Security For Banks at Department of Banking Technology, School of Management, Pondicherry University, during 19th – 21th February, 2009

28. Student projects:

- a) **Percentage of students who have done in-house projects including interdepartmental projects:** 100%
- b) **Percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:** Nil
- b) **Doctoral / post doctoral fellows:** Nil
- c) **Students:** Inspire fellowship - 2

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: NIL

31. Code of ethics for research followed by the departments: As per University rules.

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|---|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| UG 2013-2016 | Not applicable as admission is through VBCAT. | 10 | 2 | - | - |
| UG 2012-2015 | | 4 | 0 | - | - |
| UG 2011-2014 | | 8 | 6 | - | - |
| UG 2010-2013 | | 9 | 2 | 8 | 2 |
| UG 2009-2012 | | 8 | 2 | 7 | 2 |

| | | | | | |
|-----------------------|-----|----|----|------|-----|
| PG 2013-2015 | 90 | 15 | 5 | - | - |
| PG 2012-2014 | 88 | 7 | 3 | - | - |
| PG 2011-2013 | 165 | 7 | 2 | 7 | 2 |
| PG 2010-2012 | 104 | 10 | 10 | 10 | 10 |
| PG 2009-2011 | 87 | 13 | 5 | 11 | 5 |
| Ph.D Course Work 2013 | 20 | 6 | 2 | - | - |
| Ph.D Course Work 2012 | 24 | 2 | 2 | 100 | 100 |
| Ph.D Course Work 2011 | 22 | 4 | 0 | 100 | 0 |
| Ph.D Course Work 2010 | 4 | 3 | 3 | 33.3 | 100 |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same University | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| PG (2009 -2013) | 55.84 | 44.16 | 0.0 | 0.0 |
| Ph.D (2010- 2013) | 40.00 | 40.00 | 20.00 | 0.0 |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET – 5
- GATE – 6
- DST INSPIRE – 2
- GRE - 1

35. Student progression:

| Student progression | Percentage against enrolled |
|--|---|
| UG to PG | 90 % (approx.) |
| PG to M.Phil. | Not Applicable |
| PG to Ph.D. | 7 % (approx.) |
| Ph.D. to Post-Doctoral | Nil |
| Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment | No scope As good as 80 % students are absorbed in Govt. and private sectors. |

| | |
|---------------|---------------|
| Entrepreneurs | 5 % (approx.) |
|---------------|---------------|

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | 11.1 |
| from other universities within the State | 66.7 |
| from universities from other States | 22.2 |
| from universities outside the country | None |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|----------------|----------------|
| M.Phil. | Not applicable |
| Ph.D. | Nil |
| D.Sc. | Nil |
| D.Litt | Not applicable |

38. Present details of departmental infrastructural facilities with regard to

- a) Library: 393
- b) Internet facilities for staff and students: Yes
- c) Total number of class rooms: 03
- d) Class rooms with ICT facility: 01
- e) Students' laboratories: 1
- f) Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates:

- a) Doctoral list from the host institution/university –
Anandarup Roy, Byomkesh Mondal, Susmita Nayek
- b) From other institutions/universities –
Koushik Mondal, Bhaskar Das

40. Number of post graduate students getting financial assistance from the university: 20**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No new programme was introduced after 2009.****42. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes, the Department regularly organizes faculty meeting for sharing individual experiences regarding the

students and classes taken.

- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:** Students feedback for teachers are taken directly by higher authority
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback:** not taken yet

43. List the distinguished alumni of the department (maximum 10):

| <i>Sl. No.</i> | <i>Name</i> | <i>Affiliation</i> | <i>E-mail</i> | <i>Mobile</i> |
|----------------|-----------------------|---|--|---------------|
| 1. | Bikash Ghosh | IT, Principal Consultant, Oracle India, Bangalore | ghosh.bikash@gmail.com | |
| 2. | Amit Banerjee | Asst. Prof., South Asian University, New Delhi | amit.banerjee@gmail.com | |
| 3. | Madhusudan Paul | Asst. Prof., Visva-Bharati University | msh.cse@gmail.com | 9264802315 |
| 4. | Tapan Bhowmik | Postdoc, Ruen University, France | tkbhowmik@gmail.com | |
| 5. | Achintya Kumar Mandal | Deputy Registrar (Academics & Establishment), Assam University, Silchar | achintya.kumar.mandal@aus.ac.in | |

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Three special lectures/Seminars were arranged with experts from outside.

45. List the teaching methods adopted by the faculty for different programmes:

- a) Lectures using Chalk & Talk.
 - b) Power-Point presentations.
 - c) Demonstration using available software or self-written programs.
- Teaching is done in an interactive manner and study material is also provided in both soft and hard copy as and when needed.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:

- a) Syllabi are updated and modernized on a regular basis. Feedback from students and course curriculum of peer institutes are taken into account.
- b) Seminar lectures are arranged by inviting the eminent experts on frontline research areas from country and abroad.

**47. Highlight the participation of students and faculty in extension activities:
Faculty:**

- a) **Dr. Utpal Roy**
 - i) Coordinator of NSS programme organized by the university.
- b) **Mr. Tathagato Mukhopadhyay**
 - ii) Participation in automation of university examination system.

48. Give details of “beyond syllabus scholarly activities” of the department:

- a) **Professor Paramartha Dutta**
 - i) Life Member of the Indian Science Congress Association (6799 vide year 1994)
 - ii) Life Fellow of the Institution of Electronics and Telecommunication Engineers (F 152182 vide year 2002)
 - iii) Life Member of the Indian Society for Technical Education (LM 33643 vide year 2002)
 - iv) Life Fellow of the Optical Society of India (L 429 vide year 2004)
 - v) Life Member of the Indian Unit of International Association for Pattern Recognition (Indian Affiliate of *International Association for Pattern Recognition*) (L 038 vide year 2005)
 - vi) Life Member (Senior) of the Computer Society of India (00138036 vide year 2006)
 - vii) Life Member of the International Association of Engineers (vide 62582 since year 2007).
 - viii) Senior Member of Association for Computing Machinery (9622185 since year 2007)
 - ix) Life Member of Advanced Computing and Communication Society (9622185 since year 2009)
 - x) Senior Member of IEEE Computer Society (90586806 since year 2009), Computational Intelligence Society (since 2012)
 - xi) Life Member (Senior) of International Association of Computer Science and Information Technology (80343506 vide year 2011).

- xii) Life Member of System Society of India (LM – 31964 vide year 2012).
- xiii) Life Member of the World Academy of Science Engineering and Technology (since 2012).
- xiv) Life Member of Indian Society of Remote Sensing (since 2012).
- xxvi) Reviewer of various Journals including –
 - ▼ IEEE Transactions on System, Man and Cybernetics
 - ▼ Pattern Recognition
 - ▼ Signal Processing
 - ▼ IEEE Communication Letters
 - ▼ Journal of Phytopathology
- xxvii) Member Expert nominated by the Ministry of Human Resource and Development, Government of India of the Selection Committee for award of Commonwealth Scholarship offered by the Government of United Kingdom, 2010.
- xxviii) Member of panel of Judges of the Young IT Professional Awards, Eastern Regional Contest, conducted by the Computer Society of India, Kolkata Chapter, held on 16.01.2010.
- xxix) Member of Technical Committee of the West Bengal Board of Joint Entrance Examination during 2009 to 2011.
- xxx) Member of Board of Undergraduate Studies in Computer Science of Kalyani University since 2011.
- xxxi) Member of Board of Studies in Computer Science, Information Technology and Computer Application of West Bengal University of Technology since 2011.
- xxxii) Member of the School Board of Triguna Sen School of Technology of Assam University, Silchar since 2011.
- xxxiii) Member Chairman nominated by the University Grants Commission, Govt. of India of the Review Committee of the Special assistance Programme in the Department of Computer Science and Automaton, Indian Institute of Science, Bangalore in November 2011.
- xxxiv) Member of Scientific Committee and Editorial Review Board on Engineering and Applied Sciences of World Academy of Science Engineering and Technology.
- xxxv) Member of Board of Studies in Computer Science and Engineering of Narula Institute of Technology, Kolkata since 2012.
- xxxvi) Member of panel of Judges of the Student Research Convention, conducted by the West Bengal University of Technology on 29.01.2013.
- xxxvii) Member of Board of Studies in Post Graduate Studies in Computer Science and Engineering of Tripura University since 2013.
- xxxviii) Advisor to the Central Mechanical Engineering Research Institute, Durgapur funded by the Council of Scientific and Industrial Research

- (CSIR), Govt. of India for their Research project on “Smart Home Energy Efficient Technology Environment” at Embedded System Laboratory since 2013.
- xxxix) Member of the Expert Inspection Team appointed by the West Bengal University of Technology in a visit on 13/03/2013.
 - xl) Member of Expert Committee for Faulty Appraisal of the Asansol Engineering College held on 17.08.2013.
 - xli) Session Chair in various Conferences/seminars/seminars –
 - ▼ Technical Session in International Conference on Computational Intelligence and Communication Networks (CICN2012), Mathura, India, November 2012.
 - ▼ Technical session in Zonal Seminar on ICT in present Wireless Revolution on 31.08.2013
 - ▼ Technical Session in International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA 2012), Kalyani, India, September 2013.
 - xlaii) Member of Selection Board for Faculty recruitment in various Universities/Institutes encompassing
 - ▼ National Institute of Technology, Arunachal Pradesh
 - ▼ Assam University, Silchar, Assam
 - ▼ Sambalpur University, Orissa
 - ▼ Visva Bharati University, Santiniketan, West Bengal
 - ▼ Burdwan University, Burdwan, West Bengal
 - ▼ Bengal Institute of Technology and Management, Santiniketan
 - ▼ Supreme Knowledge Foundation Group of Institutions, Mankundu
 - ▼ College of Engineering and Management, Kolaghat

b) Professor Balaram Bhattacharyya

- i) Life Member, Indian Association for the Cultivation of Science, Kolkata-700032
- ii) Member, Program Committee, International Conference ‘ITBAM’, DEXA in Spain since 2010
- iii) Member, Program Committee, International Conference ‘ACVIT 2009’ held in Aurangabad
- iv) Member, Editorial Board of the journal ‘Sajosps’
- v) External Member, BoS, Department of Computer Science, Benaras Hindu University, Varanasi, 2012
- vi) External member, PG Board of Studies in Comp Science, University of Burdwan, 2009

- vii) Examiner for project evaluation, Benaras Hindu University
- viii) Reviewer in journal 'Sajosps'
- ix) Reviewer for international conference ACVIT, 2007
- x) Reviewer, International Conference 'ITBAM', DEXA in Spain since 2010

c) Prof. Alak Datta

- i) Member, Indian Association for Research in Computing Science
- ii) Member, Board of Studies, PG course, Department of Computer Science, University of Burdwan

d) Dr. Utpal Roy

- i) IAPR(Indian UNIT for Pattern Recognition and Machine Intelligence): Life Member L090
- ii) Indian Science Congress Association, Calcutta, India Life Member L19270
- iii) Indian Statistical Institute, Kolkata, 203, B.T. Road, Kol-108; Life Member
- iv) Indian Association for Cultivation of Science, Jadavpur, Kolkata-700 032. Life Member
- v) Forum of Scientists, Engineers & Technologists, (FOSET) Life Member

e) Smt. Kakali Datta

- i) Member of Association for Computing Machinery (since year 2012)

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not yet

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

Nurturing young minds toward developing logic sense and design concepts to contribute effectively in research and IT industry. Aims to contribute further in research in the years to come.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

a) Strengths :

- i) Imparting education in computer science and applications in diverse fields to students predominantly from rural areas with modest socio-economic background.
- ii) Job prospect of students in different Multi-National Companies and

different Academic Institutions.

- iii) Providing Computing Assistance in other fields of studies within the university.
- iv) Motivated and Committed Faculty members.
- v) Academic/Technical quest among the students.

b) Weaknesses:

- i) Severe scarcity of space for development. Three to four teachers along with their scholars in groups need to share a common room for sitting.
- ii) Grossly inadequate matching grant in research.
- iii) Infrastructure, especially limited options for Broadband Internet Connectivity.
- iv) No technical/supporting staff for the laboratories.
- v) Although the subject is essentially an Engineering stream, no technical journal like IEEE, ACM, SIAM, etc are made available to us.

c) Opportunities:

- i) Scope of In-house design of software for various applications (e.g., Pay-Roll and Pay-Slip of Visva-Bharati, Railway e-ticketing for unreserved category, Automation of university examination system).
- ii) Students are getting scope to continue their projects in other institutions.
- iii) Scope to continue further studies abroad.
- iv) Interdisciplinary studies and research.
- v) Scope of placement in industry.

d) Challenges :

- i) Quality inter-disciplinary research
- ii) Developing research laboratories
- iii) Motivating students for doctoral studies
- iv) In-house design and development of state of the art software systems
- v) Collaborative research with other external institutes and other faculties of the university

52. Future plans of the department:

- i) Introducing new course curriculum for M.Tech. (Computer Science) and integrated M.Phil./M.Tech. - Ph.D.
- ii) To enhance research activity with creation of research laboratory in Computational Molecular Biology, Quantum Cellular Automata, Embedded Technology, Wireless Network, Quantum Computing.
- iii) Establishment of Embedded and VLSI Laboratory under Industry and Institute partnership.

- iv) Augmentation of space in the department to cater to the present requirements and future plans.
- v) Developing the department as a nodal center for inter-disciplinary e-classroom.

HISTORY OF RABINDRA-BHAVANA

It is indeed interesting that Rabindranath, despite his numerous foreign tours and several visits ranging from capitals of states to remotest corners of the country which earned for him the coveted title of the 'wayfarer poet', always nurtured a desire to shift to manifold abodes, dictated either by necessity or emanating from an urge for diversity. However, towards the end of his life the poet initiated construction of a mud hut with thatched roof in an almost deserted land by the side of 'Khoai' river. He fondly named it 'Rabi's Uttarayana'. Subsequently five houses viz. Konark, Udayana, Udichi, Shyamali and Punascha vibrating with his reminiscences during his stay in the last twenty years of his life add a new dimension to the ambience of entire Uttarayana Complex.

The construction of Bichitra - The first house on the left in Uttarayana Complex in 1961 i.e the birth centenary year of Rabindranath Tagore and subsequently named as Rabindra-Bhavana, is a land mark event in view of the fact that Rabindra-Bhavana since its inception is used as repository of Tagore collection and a core centre of Tagore - related research and understanding. Rabindra-Bhavana comprises several units viz museum, archives, library, audio visual, preservation and garden units. Added to these, Rabindra Charcha Prakalpa and Research and Lipika Manuscriptorium and Hall are two other important facades of Rabindra-Bhavana, adding glow to its luminous brilliance.

At present Rabindra-Bhavana is an integral part and principal constituent of Tagore Memorial Institute, as recommended by High Level Committee.

Evaluative Report of the Rabindra-Bhavana

1. **Name of the Department :** Rabindra Bhavana
2. **Year of establishment :** 1961
3. **Is the Department part of a School/Faculty of the university?**
It is a Research Centre, decked with reminiscences of Rabindranath Tagore, Tagore-centric museum, archives etc.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
M.Phil and Ph.D in Culture Studies introduced in the academic session 2013-14.
Certificate Course in Manuscriptology introduced in 2013-14.
5. **Interdisciplinary programmes and departments involved :**
Rabindra-Bhavana is closely connected with Comparative Literature Centre of Bhasha-Bhavana. The teachers of the Bhavana take classes in the aforesaid Centre. Prof. Tapati Mukhopadhyay and Prof. Udaya Narayana Singh are Adjunct Professors of Centre for Comparative Literature and Centre for Linguistics respectively. Classes are taken by Adhyaksha, Rabindra-Bhavana in Sanskrit Department too. The monthly seminar of the Bhavana 'Rabindra-Prabaha' is organized in conjunction with Sangit-Bhavana; several other programmes highlighting Tagore's creativity and literary facades are organised throughout the year with able participation from Sangit-Bhavana. The Bhavana is going to organize a seminar on 'Comparative Literature: aesthetics, trajectory and Tagore' in collaboration with Comparative Literature Centre of Bhasha-Bhavana.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
 - a) Since the Bhavana has been earmarked in 2013- as a Resource Centre of National Manuscript Mission, it has started collaboration with Manuscript Resource Centre of Calcutta University. Certificate course in Manuscriptology has been introduced with able assistance from Manuscript Resource Centre of Calcutta University.
 - b) Rabindra-Bhavana has been selected as a partner institution under United Kingdom-India Education Research Initiative (UKIERI) with Edinburg Napier University of Scotland as collaborator. This is a prestigious project which heralds intercultural research collaboration breaking the barrier of geographical and other hegemony.

It is to be noted here that Rabindra-Bhavana, Visva-Bharati is the topper in the list of selected candidates in UKIERI list.

7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System:**
Tagore Studies Course, conducted by Rabindra-Bhavana is at present semester-oriented.
9. **Participation of the department in the courses offered by other departments :** The Apart from regular classes of Tagore Studies and Culture Studies, the teachers of the Department take classes in Sanskrit and in Comparative Literature.
10. **Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) :**

| | Sanctioned | Filled | Actual (including CAS & MPS) |
|----------------------|------------|--------|------------------------------|
| Professor | 01 | 01 | 01 |
| Associate Professors | 01 | - | - |
| Asst. Professors | 01 | - | - |
| Others | — | — | — |

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance :**

- a) **Name** : Prof. Tapati Mukhopadhyay
Qualification : M.A., M.Phil & Ph.D
Designation : Director, Culture & Cultural Relations and Adhyaksha, Rabindra-Bhavana
Specialization : Dharmasastra, Literature and Tagore Studies
No. of Years of Experience : 34
No. of Ph.D./M.Phil. students guided for the last 4 years : 03 (One completed M.Phil, the other two under Ph.D supervision)
- b) **Name** : Prof. Udaya Narayana Singh
Qualification : M.A. & Ph.D.
Designation : Professor, Rabindra-Bhavana
Specialization : Linguistics and Literature
No. of Years of Experience : 35
No. of Ph.D./M.Phil. students guided for the last 4 years : 35(14-Ph.D and 21- M.Phil)

- c) **Name** : Prof. Amrit Sen
Qualification : M.A, M.Phil, Ph.D
Designation : Presently attached to Rabindra-Bhavana
Specialization : Eighteen Century English Literature & Tagore Studies
No. of Years of Experience : 14
No. of Ph.D./M.Phil. students guided for the last 4 years : 02(Ph.D)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- a) Prof. Malavika Karlekar, noted critic and a Tagore's Specialist was a Visiting Fellow into 2013.
b) Prof. Amitrasudan Bhattacharya, former Tagore Professor, Visva-Bharati is presently attached as Adjunct Professor to the Bhavana.
c) Prof. Alpana Ray, former Professor of Bangla, Visva-Bharati is at present attached to this Bhavana as Professor on extension.
d) Prof. Karunasindhu Das, former Vice-Chancellor, Rabindrabharati University is now at present looking after Lipika Manuscriptorium.

13. Percentage of classes taken by temporary faculty — programme-wise :

For newly introduced M.Phil & Ph.D Course in Culture Studies, apart from regular faculties, eminent retired professors are invited to take classes. In a span of three months duration, 10% classes have been taken by erudite Guest Professors. For Manuscriptology Certificate Course, the process has just started to induct guest faculty.

14. Programme-wise Student Teacher Ratio: 6 : 1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual :

| | Sanctioned | Filled | Actual |
|------------------------------------|------------|--------|--------|
| Academic Support Staff (Technical) | | | |
| Administrative Staff | | | |

16. Research thrust areas as recognized by major funding agencies:

Kalanukramik Rabindra Rachanavali Project funded by MoC, GOI.

This is a unique project where all works of Rabindranath will be collated accordingly to the date of their first publication. This particular project is slated to unravel the poet's psyche and creativity at different critical junctures of his life, intertwined with socio-political realities of contemporary perspective. The first volume is already in

Press and is going to be published shortly.

- 17. Number of faculty with ongoing projects from a) national b) international agencies and c) Total grants received. Give the names of the project title and grants received project-wise:**

Prof. Tapati Mukhopadhyay –

- a) Prof. Tapati Mukhopadhyay-Coordinator, UKIERI Project, Project Titled- '*The Scotland-India Continuum of Ideas: The Relevance of Tagore and his Circle*', Funding Agency, UGC, British Council, sanctioned amount Rs. 12, 68,800.00.
- b) Prof. Tapati Mukhopadhyay-Coordinator, Incentivisation Project- funded by UGC, sanctioned amount Rs. 6,00,000.00.

Prof. Amrit Sen – He is actively associated with both the projects.

- a) UGC Minor Research Project titled *Reimagining the Homeland: Representation of India in the Travel narratives of Dean Mohomet and Abu Taleb* (2006-2008). Grants: Rs. 1 lakh.
- b) UGC Postdoctoral Research Project titled *The Self and the World in the Travel Writings of Rabindranath Tagore* (2009-2011); Grant: Rs. 2 lakh.
- c) Ongoing UGC Major Research Project on Rabindranath Tagore and Science (2013): Grant Received: Rs. 9.6 lakh.

- 18. Inter-institutional collaborative projects and associated grants**

a) National collaboration:

- i) In a collaborative project with Centre For Development of Advanced Computing (C-DAC) , A Govt. of India organization, all books by Tagore and on Tagore have been digitized. All gramophone Discs and spools are now under digitization process.
- ii) In another collaborative project with Indian National Trust For Art and Cultural Heritage (INTACH), conservation of all manuscripts in Lipika Manuscriptorium are being taken up.

b) International collaboration:

UKIERI Project- a joint collaborative project with Edinburg Napier University, Scotland.

- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, AICTE, etc.; total grants received:**

Total grants received: Total Rs. 18.6 lakhs out of which a partial amount has been received.

- a) National Project: Incentivisation Project, funded by UGC, Govt. of India, Total Grant Rs. 6,00,000/-.
- b) UGC Minor Research Project titled *Reimagining the Homeland: Representation of*

India in the Travel narratives of Dean Mohomet and Abu Taleb (2006-2008). Grants: Rs. 1 lakh.

- c) UGC Postdoctoral Research Project titled *The Self and the World in the Travel Writings of Rabindranath Tagore* (2009-2011); Grant: Rs. 2 lakh.
- d) Ongoing UGC Major Research Project on Rabindranath Tagore and Science (2013): Grant: Rs. 9.6 lakh.

20. Research facility / centre with a) state recognition, b) national recognition, c) international recognition:

Rabindra-Bhavana is an internationally acclaimed centre for Tagore-centric research. Decked with well-equipped library and archives. Rabindra-Bhavana is considered as the largest repertoire of Tagore related articles and artefacts.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Not applicable

22. Publications:

a) No. of papers published in peer reviewed journals:

i) National/International

Dr. Tapati Mukherjee –

(2012-2013)

‘Rabindranath in 21st century’ published in a book, sponsored by Gobinda Prasad Mahavidyalaya, Bankura, 2012.

Forest Management in ancient India in Rajkumar Sen ed *Forest Management and Sustainable Development*, Deep and Deep Publishers Pvt. Ltd., New Delhi, 2012.

Gitanjali O Poetry: ekta nibir path in Amitrasudan Bhattacharya ed. *Visva-Bharati Patrika*, Sravan-Asvin, 1419.

Brahmodharma – anusrita upasanamantra O Thakur barir anubadaktreyi: in Tapati Mukhopadhyay ed ‘*Rabindrakiksha*’ Vol. 52, Rabindra-Bhavana, Visva-Bharati, 2012.

‘*Rabindranather Dakghar Satabarser Aloke*’ in Tapati Mukhopadhyay ed *Rabindrakiksha*, Vol. 53, Rabindra-Bhavana, Visva-Bharati, 2012.

‘*Karunaghana namo he: Tathagata Pranalitey Rabindranath*’ in Mahuya Bhattacharya ed *ebong amra*, published by Debabrata Sen, 2012.

Udaya Narayana Sing –

[ESSAYS] 2010a. *Translation as Growth*. Pearson/Longman.
[English]

[ESSAYS] 2010b. *Bhashar Sahitya: Sahityer Bhasha*. Kolkata: Anushtup. [Essays in **Bengali**]

[POETRY] 2011. *Esecho eso raat*. [A collection of **Bengali** rhymes]. Kolkata: Sahaj Path.

[FICTION] 2012. *Bhut-Chaturdashi* (A collection of Ghost-Stories in **Bengali**). Karigar, Kolkata

b) Monographs: 03

c) Chapters in Books: 80

d) Edited Books:

Dr. Tapati Mukherjee –

Edited **bilingual Edition of Gitanjali Song offerings by Rabindranath Tagore** jointly with Dr. Amrit Sen (A Rabindra-Bhavana Publication, year of publication-2012)

Edited ‘Educational Thoughts and Concepts of Rabindranath’ (year of publication-2012)

Edited *Smaraney Baraney Rabindranath* (2013, Rabindra-Bhavana Publication)

Edited “Rathindranath Tagore: the unsung hero” (2013, Rabindra-Bhavana Publication)

Rabindra-Biksha (A research Publication of Rabindra-Bhavana, Volumes 52 & 53 (2012), Visva-Bharati Quarterly, 2013)

Prof. Udaya Narayana Sing –

[ESSAYS] 2010b. [Ed. Jtly with Anjan Sen] *Upanyaser sahityatattva*. Kolkata: Sahitya Sansad. [**Bengali**]

[ESSAYS] 2011a. [Ed. & Comp. with Leslie Farrell & Ram Giri]. *English Language Education in South Asia: From Policy to Pedagogy*. Cambridge University Press. [**English**]

[LEXICON] 2011c. [Ed. & Comp. with Suchita Singh & Chandan Hazra]. *Longman-CIIL Basic English-English-Bengali Dictionary*. New Delhi: Pearson Education. [**English & Bengali**]

[LEXICON] 2011d. [Ed. & Comp. with B.R.Pal & S.K.Singh]. *Longman-CIIL Basic English-English-Hindi Dictionary*. New Delhi: Pearson Education. [**English & Hindi**]

[ESSAYS] 2011e. [Ed. with Navdeep Suri] *Rabindranath Tagore 1861-1941: A Commemorative Volume*. Ministry of External Affairs, Govt of

India. [English, Bengali, French, German, Russian, Spanish, and Portuguese editions]

[LEXICON] 2012a. [Ed. & Comp. with Pradhan Gurudatt & S.S.Yadurajan]. *Longman-CIIL Basic English-English-Kannada Dictionary*. New Delhi: Pearson Education. [English & Kannada]

[LEXICON] 2012b. [Ed. & Comp. with Basanta Panda & B.N.Patnaik]. *Longman-CIIL Basic English-English-Oriya Dictionary*. New Delhi: Pearson Education. [English & Oriya]

[LEXICON] 2012c. [Ed. & Comp. with V.S.Nair & Sadashivan]. *Longman-CIIL Basic English-English-Malayalam Dictionary*. New Delhi: Pearson Education. [English & Malayalam]

[LEXICON] 2012d [Ed. & Comp. with Sam Mohanlal, L.Ramamoorthy & Vimala]. *Longman-CIIL Basic English-English-Tamil Dictionary*. New Delhi: Pearson Education. [English & Tamil]

[ESSAYS] 2012e. *Kabitaar bhaaSaa*. (Jointly ed., with Anjan Sen) 148 pp. Calcutta: Bangiya Sahitya Samsad. [Bengali]

e) Books with ISBN with details of publishers:

c) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):

d) Citation Index — range / average: 03

e) SNIP:

f) SIR:

g) Impact Factor — range / average:

h) h-index:

23. Details of patents and income generated:

Income generated from entry fee to Rabindra-Bhavana Museum is Rs. 27, 67,935.00 (from 01.04.2013 to 31.01.2014) and Rs. 16,00,780.00 (from 09.08.2012 to 31.03.2013)

24. Areas of consultancy and income generated:

Consultancy areas of Prof. Udaya Narayana Singh:

Supervised as Director or Consultant several major research projects on Language Movement (funded by MSU & Centre for Social Studies), NLP (DoE), Digital Documentation (SASNET & SIDA, Sweden), Machine Translation (MC&IT), and

Linguistic Data Consortium in Indian Languages (LDC-IL) - MHRD. Besides the above, he was the Chief of the National Translation Mission (NTM) specially approved by the Prime Minister of India, and also the Chief Consultant of the Microsoft's Validation Project for Vista; Director, NSOU-CIIL Joint Project on Bangla Online, 2002-04 and Director, CIIL-SAG (Ministry of Defence) Spoken Corpora and Contemporary Corpora Projects in Hindi, Bangla and Manipuri, 2005-07. In addition, he had conceived of and executed the Bhasha Mandakini Project under which 560 films were made on Bangla, Tamil and Kannada language, literature, and culture. For the large projects designed and supervised, also look at:

- a) The *National Translation Mission* (or, *NTM*) at www.ntm.org.in
- b) The *National Testing Service* (or, *NTS*), and at www.ciil.miles.net & www.nts.net
- c) The *Linguistic Data Consortium for Indian Languages* (or, *LDC-IL*) at www.ldcil.org.
- d) Besides the *Centre of Excellence in Classical Tamil* (*CECT* as described in www.ciil-classicaltamil.org), which has now flowered into a new institution – called the CICT at Chennai.

Consultancy areas of Prof. Tapati Mukhopadhyay:

Chairperson of a Committee constituted by UGC for monitoring construction of women hostels in a few colleges of Chhattisgarh.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Prof. Tapati Mukhopadhyay has been selected by Sahitya Akademi as one of the jury for adjudicating Bhasha Samman in the year 2013-14.

26. Faculty serving in

a) National committees:

Professor Tapati Mukhopadhyay –

- i) Vice-President, Comparative Literature Association of India.
- ii) Member, UGC Committee for scrutinising proposals from colleges in the North-East for organising seminars/conferences/symposia -2008-09, 2009-10, 2010-11.
- iii) Member of UGC Purchase Committee, Eastern Regional Office from 2009 to 2011.
- iv) Member of Executive Council of Netaji Subhas Open University as Chancellor's nominee in 2010 to 2012.

b) International committees: Nil

c) Editorial Boards:

Professor Tapati Mukhopadhyay –

- i) Project Co-ordinator of Kalanukramik Rabindra Rachanavali Prakalpa,

funded by Ministry of Culture, Govt. of India.

Prof. Udaya Narayana Singh –

- i) **General Editor of Longman-CIIL Series of eleven Bilingual Dictionaries.**
- ii) Co-Editor of International Journal of Inter-Cultural Relations; 2008-onwards.
- iii) Member of the Editorial Board of the Brill's series titled *Studies in South and Southwest Asian Languages*.
- iv) Guest edited a special number of *India Perspectives*, 24.1 devoted to Rabindranath Tagore (2010), MEA, New Delhi.
- v) Member of the Editorial Board of Collins English-Hindi Bilingual Dictionaries (2011).

d) Any other (please specify):

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

- a) Orientation Programme on Tagore Studies for the entire Visva-Bharati community held on 10th and 17th February, 2013. This year also the same programme has been taken up.
- b) Manuscript Studies: A five day Workshop in collaboration with Manuscript Resource Centre, Calcutta University was held during 9-12 September, 2013.
- c) Workshop of Natyacharcha Kendra involving all theatre groups of Birbhum in December, 2013. Topic of discussion - Problems and trajectory of current theatre.
- d) Conducted Inter-Institutional Translation Workshop in collaboration with Translation Centre, Department of Comparative Literature, Jadavpur University on **Christianity in Tagore's works in February 2014.**

28. Student projects:

- a) **percentage of students who have done in-house projects including interdepartmental projects:** As the Academic course work has just started we hope that this will soon take off.
- b) **percentage of students doing projects in collaboration with other universities / industry / institute:** Nil

29. Awards / recognitions received at the national and international level by

- a) **Faculty:**
Prof. Tapati Mukhopadhyay –

- i) UGC Research Award
- ii) Received the Mahopadhyay Award by Howrah Sanaskrita Samaj.

Prof. Udaya Narayana Singh –

Awarded Mithila Vibhuti Sanman 2007 and the Keeritinarayan Mishra Award (Chetana Samiti) for his play '*No entry: Maa Pravisha*', 2009; by the Chief Minister of Bihar on 31st October, 2009 (premiered in Patna on 21st February, 2011).

Prof. Amrit Sen –

- i) UGC Research Award, 2012
- ii) 18th Century Studies Bursary at University of Oxford, 2011

b) Doctoral / post doctoral fellows: Nil

c) Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- i) Rabindra-Prabaha on "Rabindranather Sikha Chinta" organized by Rabindra-Bhavana, Udayana Griha, Uttarayan on 27-05-12
- ii) Rabindra-Prabaha on "After Tagore 150-How to go from here: Some personal reflections" by Rabindra-Bhavana, Udayana Griha, Uttarayan on 20-11-12
- iii) Rabindra-Prabaha "Tagore's song in Hindi" organized by Rabindra-Bhavana, Udayana Griha, Uttarayan on 19-01-13
- iv) Smarane-Barane on "Rathindranath" organized by Rabindra-Bhavana, Sriniketan Fresco on 03-06-12
- v) Smarane-Barane on "Swarna Kumari Devi" organized by Rabindra-Bhavana, Udayana Griha, Uttarayan on 27-08-12
- vi) Smarane-Barane on "Saratadevi Choudhurani" organized by Rabindra-Bhavana, Udayana Griha, Uttarayan on 30th Sep, 2012
- vii) International event & cultural programme, Padma Boat Presentation, *Vichitra* Hall & Lipika Auditorium organized by Rabindra-Bhavana, Vichitra Reading Room on 12-09-2012
- viii) Visit by Hon'ble President of India, Release of bilingual version of Gitanjali by Hon'ble Governor, West Bengal and presentation of first copy to Hon'ble President of India, Rathindra Atithi Griha organized by Visva-Bharati & Rabindra-Bhavana on 18-12-2012
- ix) Seminar followed by dramatic performance by Patha-Bhavana and exhibition on Centenary Celebration of drama 'Dak -ghar', Lipika Auditorium organized by Rabindra-Bhavana on 03-12-2012
- x) National Seminar on Gitanjali to Song Offerings: A Tribute to Rabindranath Tagore, Lipika Auditorium organized by Rabindra-Bhavana on 03-02-2013

- xi) Presentation of Tagore memorabilia followed by a seminar on 'Victoria Ocampo' Lipika Auditorium organized by Rabindra-Bhavana on 17-02-2013
- xii) International Conference on "A Man of Letters: Rabindranath tagore And His Epistles", Lipika Auditorium organized by Rabindra-Bhavana on 14th to 15th March, 2013
- xiii) National Conference on "Rathindranath the Unsung hero", Lipika Auditorium organized by Rabindra-Bhavana on 24th March, 2013

31. Code of ethics for research followed by the departments:

As per the Guidelines of UGC & Visva-Bharati

32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications Received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| Ph.D | 06 | 03 | 03 | | |
| M.Phil | 06 | 03 | 03 | | |

33. Diversity of students:

| Name of the Programme (refer to question No. 4) | % of Students From the Same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| B.Ed.– 2012-13 | 77 % | 22 % | 01 % | Nil |
| 2013-14 | 77 % | 21 % | 02% | Nil |
| M.A.(Education) – 2012-13 | 10.25 % | 87.17% | 2.56% | Nil |
| 2013-14 | 07.69 % | 89.74% | 2.56% | Nil |
| Ph.D. – 2013 | 16.66% | 44.44% | 38.88% | Nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Six students have cleared the NET and One SLET for M.Phil & Ph.D in Culture Studies.

35. Student progression:

| Student progression | Percentage against enrolled |
|---------------------|-----------------------------|
|---------------------|-----------------------------|

| | |
|--|--|
| UG to PG | Since the Course has just started we are not in a position to assess it. |
| PG to M.Phil. | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff:

| Percentage of faculty who are graduates | |
|--|------|
| of the same university | Nil |
| from other universities within the State | 100% |
| from universities from other States | Nil |
| from universities outside the country | Nil |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

| Awarded Degree | No. of Faculty |
|-------------------|----------------|
| M.Phil. | Nil |
| Ph.D. | Nil |
| D.Sc. and D.Litt. | Nil |

38. Present details of departmental infrastructural facilities with regard to**a) Library:**

- i) Area in (Sq. Meters) quoted for the library: **508.365 Sq. Mt.**
- ii) Is there separate provision for Reading Room? : **Yes, 106.652 Sq. Mt.**

b) Internet facilities for staff and students: This facility has been provided to each section and office except in Garden and Generator section.**c) Total number of class rooms:** 02**d) Class rooms with ICT facility:** Not applicable**e) Students' laboratories:** Manuscriptorium that students can use and train**f) Research laboratories:** Not applicable**39. List of doctoral, post-doctoral students and Research Associates:****a) from the host institution/university:** Ph.D – 01

b) from other institutions/ universities: Ph.D – 05

40. **Number of post graduate students getting financial assistance from the university:** Not applicable

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

We have undertaken two new programmes in Culture Studies and Manuscriptology to cater to the new researches in archival and interdisciplinary studies.

42. **Does the department obtain feedback from**

a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback:**

Since the faculty has framed the curricula in conjunction with eminent scholars on the subject we regularly monitor feedback about curricula and response of students with a view to make the programme more learner-friendly and relevant for contemporary perspective.

b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback:**

As the courses have just started, regular feedback mechanism can hardly be made functional. However, the teachers are interacting with students regarding their response to the course curricula, teaching methods and others. These informations are given due weightage for overall structuring of course and putting emphasis on parts of curricula and others.

c. **alumni and employers on the programmes offered and how does the department utilize the feedback:**

Not applicable, since courses has not been completed.

43. **List the distinguished alumni of the department (maximum 10):**

Not applicable

44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

As per Item nos. 27 & 30

45. **List the teaching methods adopted by the faculty for different programmes:**

Classroom teaching, interactive teaching with ICT.

46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:**

Through regular evaluation as per UGC norms and as per University Examination norms.

47. Highlight the participation of students and faculty in extension activities:

Faculty and students have participated in extension and social outreach programmes at Bharat Sevashram Sangha, Ghoshaldanga School. Blankets were distributed amongst tribal students and donation has been made from Vice-Chancellor's fund for construction of a building for socially disadvantaged tribal students.

48. Give details of "beyond syllabus scholarly activities" of the department:

- a) Rabindra-Prabaha (i.e. lecture demonstration programme on Tagore and his family) are organized regularly and books have been published.
- b) Orientation programme on Tagore and his creativity

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Not applicable**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

Since our mandate is Tagore Studies, we have tried to take Tagore studies to the world. We have also initiated new courses in Manuscriptology and Culture Studies with Tagore's ideas to meet the new educational challenges and interdisciplinary research. Our proposal of joint collaboration with Napier University has already been accepted.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**a) Strengths :**

- i) Rabindra-Bhavana is the largest repertoire of Tagore related documents, artifacts and other memorabilia which are objects of global attraction.
- ii) Presence of internationally acclaimed scholars and researchers and regular interaction with them.
- iii) In view of world wide exposure, feedback on the performance is received internationally.
- iv) Photo Archives and rare book section of the library where the books used by Tagore were preserved.
- v) Collaboration with Overseas Institutions on propagation of Tagoreana.

b) Weaknesses:

- i) Dearth of space.
- ii) Shortage of trained staff
- iii) Computerisation of library not yet achieved.
- iv) Paucity of research faculties
- v) Exclusive website

c) Opportunities:

- i) Space has been allocated for construction of Gitanjali Hall.
- ii) The vacant posts have been advertised and it is expected that new faculty will join shortly.
- iii) Process of computerisation has started.
- iv) Recruitment process for new faculties started.
- v) C-DAC is preparing new website for Rabindra-Bhavana.

d) Challenges:

- i) To make Tagore's ideas globally accessible.
- ii) To make translations of Tagore in various languages available.
- iii) To design new courses on Tagore for international students.
- iv) To bring together various facades of Tagore's creativity under research.
- v) To create a richer and more accessible archive and library for specialised researchers.

52. Future plans of the department:

Rabindra-Bhavana is indeed considered as a crystal in the crown of Visva-Bharati. As such to provide Visva-Bharati international credence and repute of an 'International University' which epitomises the culmination of Tagore's dream '*yatra visvam bhavati ekaniram*, (where the world meets in one nest), Rabindra-Bhavana is indeed designed to take a pivotal role. We therefore nurture the following plans which we are hopeful to implement in future.

Infrastructural:

- a) With a grant of Rs. 70 lakhs received from MP Lad fund of Dr. Barun Mukherjee, construction of 'Gitanjali Hall' which will focus on Gitanjali, Song offerings and finally the conferment of the most coveted 'Nobel' award on Tagore will highlight Tagore's luminous brilliance.
- b) We propose to convert 'Dvijabiram', the residence of Tagore's eldest brother Dvijendranath, a man of astounding creativity befitting the culture of Tagore family, into a museum.

Academic:

- a) To collate and publish entire gamut of Tagore's works arranged according to their date of first publication i.e. Kalanukramik Rabindra Rachanavali Prakalpa.
- b) To translate Tagore works in all major Indian and foreign languages.
- c) To highlight other less-explored stalwarts of 19th century Bengal.
- d) To make Tagore accessible to the remotest corner of the country and to people belonging to different strata of the society through mobile exhibition and various programmes.
- e) To frame a user-friendly website

Vidya Bhavana

Vidya Bhavana, the Institute of Humanities and Social Sciences, was conceived as an Institute of Higher Studies and Research and has always occupied a key position in Visva-Bharati. It started functioning under the name Uttarvibhaga as the department of advanced studies in 1921.

The eminent scholar and Adhyapaka Bidhusekhar Shastri testified that this nomenclature evolved out of a positive idea, learning (Patha) leads to education (Shiksha), mentioned in the pages of the '*Santiniketan Patrika*' of Magha 1332 BS and the date of the Institute's informal inaugural was also 8 Paush of 1325 BS (last week of December 1925).

Vidya Bhavana is now a major Institute of the University with seven major departments (Philosophy and Comparative Religion, History, Geography, Ancient Indian History Culture and Archaeology, Economics and Politics, Anthropology and Centre for Journalism and Mass Communication. The strengths, weakness, opportunities and challenges of the Bhavana are as follows:

Strengths

- Several departments under the Bhavana have been recognized by the Ministry of Human Resource Development (MHRD). The Department of History has been awarded DRS-SAP (phase III) and the Department of Economics and Politics has been awarded DRS-SAP (phase II) with thrust area of 'Agriculture, Environment and Rural Development' along with many projects sponsored by UGC, ICSSR, SANDEE.
- Expertise in development, economics, agricultural economics, macro economics and international trade in the Department of Economics and Politics. A. K. Dasgupta Centre with a chair in planning and development funded by the Planning Commission was established in 1996. Collaborative works with the Agro Economics Research Centre under the Ministry of Agriculture have been taken up. The honorary Director of AERC is a faculty member of the department.
- The Centre for Journalism and Mass Communication is one of the very few media learning institutions, which has its training publication (lab journal) - 'Visva-Bharati Chronicle.' This department also collaborates with Friedrich Ebert Stiftung (FES),

the renowned German foundation which supports various social and democratic activities in academic institutions in more than 110 countries across the world. The collaboration which got initiated in the year 2009 in the field of social communication has got widened in the two other wings of labour issues and gender since 2013. The department has successfully conducted 17 programmes with FES in various field till date. FES has identified the department as the only Journalism and Mass Communication Centre in Eastern India where they are conducting programmes concerning all their wings.

- Good teacher student ratio in the respective departments.
- Class seminars on topics related to the syllabi are conducted and duly evaluated thereby ensuring students' active participation in the teaching learning process. Activities such as class seminars generate a lot of academic enthusiasm among students and ensure active student teacher interaction.
- An emerging strength in both theoretical and empirical research, both at national and international level with significant number of faculty publishing in international and national journals in diversified areas.
- Strong research and teaching capabilities in agricultural, environmental and rural economics history of important research in land and land tenure, farm management surveys.
- A significant international community of students hailing from Bangladesh, Korea, Japan, Thailand, China. We also have a large number of students from states other than West Bengal. Many students are in important positions in academic and non-academic positions in India and abroad.
- Students of this Bhavana are associated with prestigious organisations after completion of their courses. Department of Economics and Centre for Journalism and Mass Communication are remarkably progressing in this regard.

Weaknesses

- Lack of expert technical staff in few departments, like Geography, Centre for Journalism and mass Communication. Qualified personnel are also urgently required for maintenance, storage, documentation and inventorisation of hard and soft data to ensure ease and proper utilization of the database available in the departments.
- Very few seminar halls with modern facilities and adequate reading room space in seminar libraries.

Opportunities

- Scope for extensive field work based research in few departments.
- Consistent healthy working environment and cooperation among the faculty

members.

- Syllabi catering to global standards are implemented and practiced
- Location of the university near tribal areas provides immense opportunities to the department of Anthropology to frequently interact with people of Santali, Munda, and Kora Tribes.
- Ample scope for employment generation, strong research avenues, opportunities in decision making in public and private life, participatory resource appraisal and digital challenges.
- The department of Geography can offer a self financed diploma course on Remote Sensing & GIS .Not only will the students benefit from it but it will also create local employment opportunities.
- Scope for Rural and Development Communication in the Centre for Journalism and Mass Communication. Also, Scope for convergence of New Media with the Traditional Communication System prevailing in the nearby rural area.
- The department of Philosophy as well as Economics and Politics intend to initiate exchange programmes with national and international institutions and co-ordinate with the action based research.

Challenges

- To make the tutorial system more effective and improve the communication skills of the students, especially in English.
- Updating the syllabus/curriculum for keeping the trend of all the departments in terms of technological upgradation, infrastructure and logistic support.
- Expand interdisciplinary research activities.

Siksha Bhavana

Siksha Bhavana (Institute of Science) was originally an under-graduate college for teaching Humanities subjects which during 1961-63 was expanded to include in its curriculum B.Sc. (Hons.) courses in Mathematics, Physics, Chemistry, Zoology and Botany. The M.Sc. programme in Mathematics was introduced in 1963 and the same from other subjects was started in 1968. Finally in 1972, due to recognition of the course of studies in the Humanities and Science subjects, all the Science Departments teaching undergraduate and postgraduate courses were brought under Siksha Bhavana which is now known as Institute of Science.

Siksha Bhavana (Institute of Science) now comprises eleven constituents: nine departments and two Centres. The nine departments are Chemistry, Physics, Mathematics, Zoology, Botany, Statistics, Computer and System Sciences, Biotechnology and Environment Sciences. The two Centres are Centre for Mathematics Education and Integrated Science Education and Research.

Strengths

- The various departments under Siksha Bhavana have been recognized by the prestigious Department of Science and Technology (DST) and University Grants Commission (UGC). For instance, the Department of Mathematics is under the support of SAP-DRS (Phase III). Department of Botany is financially supported by UGC-DRS (Phase II) and DST-FIST (Phase II) programmes. Department of Chemistry has been awarded both UGC-SAP (Phase II) and DST-FIST (Phase II). Department of Environmental Studies has been awarded DST-FIST in 2014. Department of Zoology has been acclaimed as the Centre for Advanced Studies and UGC and DST-FIST (Phase II).
- The departments under the Bhavana are engaged in high quality research with national and international institutions of repute. For instance, the department of Environmental Studies (DES) is engaged in collaborative research with University of Leeds, University of Nottingham and University of Exeter, U.K. as well as with IIT, Chennai and IIT, Mumbai for generation of electricity by integrating concentrated Photovoltaic and Biogas produced by anaerobic digestion of biomass for the electricity to rural tribal community (DST funded). This department is also involved in research collaboration with other institutes like Central Institute of Mining and Fuel research (CIMFR), Dhanbad, Ravenshaw University, Cuttack, Institute of Agriculture and Department of Botany, Visva-Bharati.
- The Bhavana also undertakes several initiatives beneficial to the society and community. For instance, rainwater harvesting system for educational purpose is set up at Siksha-Satra school with funds from IESWM (Institute of Environmental Studies and Wetland Management, Government of West Bengal) under the constant supervision of the members of Environmental Studies department. Installation of PVC solar system in the Central Administrative building, Visva-Bharati is undertaken by the DES being funded from MNRE (Ministry of New and Renewable Energy, Government of India).

- Motivated and committed faculty members with national and international exposures and specialization on diverse areas; excellent teacher-student relationship
- The faculty members have been honoured with several prestigious international fellowships. For instance, in the department of Botany, one faculty has been awarded Alexander von Humboldt Fellowship to work in Max Planck Institute, Germany for terrestrial microbiology; two faculty members have been awarded UGC Raman Post Doctoral Fellowship to work in the USA. In the department of Integrated Science Education and Research Centre. Two faculty members have been awarded UGC Raman Post Doctoral Fellowship to work in the USA. In the department of Integrated Science Education and Research Centre, faculty members have been awarded BOYSCAST fellowship, JSPS fellowship, Japan and short term visiting fellowship at ICTP, Trieste, Italy.
- Updated syllabus with elective and special papers on contemporary topics
- Department of Computer and System Sciences impart education in computer science and applications in diverse fields to students predominantly from rural areas with modest socio-economic background.
- Organization of DST INSPIRE winter/summer camp, national and international seminars/ conferences/workshops at regular intervals which helps to develop knowledge for both students and faculties.
- With support of DBT the Centre for Biotechnology was able to establish good laboratory facilities for the benefit of the post graduate students as well as research scholars including also of the other Departments and Centres

Weaknesses

- Maintenance of laboratory equipments is extremely time taking as it is located far from Kolkata.
- Experimental research work is difficult to pursue due to frequent power cut
- Infrastructure facility inadequate and needs to be strengthened further in order to provide justice to teaching and research. There is shortage of space for classrooms, individual rooms for faculties and research laboratories

- Lack of modern equipments like SEM/TEM, DNA Sequencer etc
- Due to lack of technical staff, laboratory facilities are not properly provided to the students.
- Inadequate research infrastructure.

Opportunities

- Faculty members have huge opportunity to carry out interdisciplinary research work as the department comprises of teachers under one roof belonging to various fields of Science, viz. Biology, Chemistry, Mathematics, Physics, Environmental Science, etc.
- Department of Botany offers the opportunities of hand-on training and self-employment generation
- Department of Statistics has immense opportunities to undertake interdisciplinary research. Besides, the handy knowledge to common statistical packages can be imparted to the common technical people so that they can attain the utilization power of statistical tools.
- The department of Physics is endowed with the opportunities of Material preparation and characterization using XRD, TG-DTC facilities, theoretical modeling of nano-materials, Sky watch - using Astronomical Telescope

Challenges

- To expose the students of the department of Statistics into industrial environment and administrative arena
- To develop state-of-the-art infrastructure for research
- Collaborative research with other external institutes and other faculties of the university.
- Research in frontier areas for the Department of Environmental Studies
- Research in interdisciplinary areas
- Design up-to-date curriculum for advanced studies
- Lack of adequate laboratory space and class-room space
- To make the tutorial system more effective and to improve the communicating skills of the students, so that they remain at par with students coming from other reputed institutions
- To motivate the doctoral students to opt for their postdoctoral studies as well as D. Sc. Programmes.
- Research in frontier areas of environment such as climate change, global

warming, disaster management etc. is a major challenge in the department of Environment Studies.

Bhasha Bhavana

Bhasha-Bhavana, the Institute of Languages, Literatures and Cultures, was set up in order to promote scientific studies and research in various languages, literatures, cultures, their social and philosophical aspects as well as to promote interaction between various language departments in the university. It embraces ten major departments which offer regular courses in Indian languages such as Bengali, Sanskrit, Hindi, Odia, Marathi, Tamil, Assamese, Pali, Prakrit, Urdu and Santali, and foreign languages like English, Chinese, Tibetan, Arabic, Persian and Japanese as well as French, German, Italian and Russian. There are also some subsidiary units like Centre for Buddhist Studies, Centre for Comparative Literature, and Centre for Modern European Languages, Literatures and Culture Studies etc.

Strengths

- Department of English and Other Modern European Languages (DEOMEL) has been awarded DRS-SAP (Phase II)
- Digital catalogue of the departmental seminar library is available at DEOMEL.
- Besides, the departments under the Bhavana have well-stocked departmental libraries. Among these, some individual libraries, like those of Hindi, DEOMEL, Bengali and Odia, have extremely rich collections of books and manuscripts.
- Inter-disciplinary research work by the faculty members and scholars.
- Good interactive relations between students and teachers beyond class hours.
- International students in U.G., P.G., M.Phil and PhD and various language courses.
- A unique feature of the pedagogy of DEOMEL, which has faculty members specializing in French, German, Italian and Russian literature and culture, is the study of English literature in the European context.
- Compulsory components, at the undergraduate and postgraduate levels, include American studies, Tagore's works, Literary Criticism and Theory.
- Optional papers, at the undergraduate and postgraduate levels at DEOMEL, address a wide range of issues and reflect the research interests of its faculty. This includes the study of emerging fields like Canadian and Australian Studies, Diaspora Studies,

Ecocriticism, Gender and Queer Studies, etc.

- The course of study in DEOMEL has facilitated students to apply for study abroad and they have been recipients of prestigious fellowships like Felix, Nehru- Fulbright, Inlaks-Sivdasani and Commonwealth.
- The new Centre for Modern European Languages, Literatures and Culture Studies was created in 2014 to offer an interdisciplinary undergraduate course with honours in modern European languages, literatures and cultures with specialisation in French, German, Italian and Russian.
- The multidisciplinary approach to studies in DEOMEL has encouraged students to excel in professional fields like journalism and media, apart from pursuing vocations in academic institutions and at national and international levels. The department has also honed the performance skills of the students who have participated in multi-lingual cultural programmes at intra and inter university levels.
- Different departments of the Bhavana have a good number of enrolled foreign students in Certificate, Diploma, Advance Diploma, Foreign Casual Courses and a large number of PhD students.
- For quality improvement in class teaching, faculty members are facilitated to participate in national and international activities.
- To build teamwork, sportsmanship and leadership qualities, students are encouraged to participate in various extracurricular activities.
- The Memorandum of Understanding between the Department of Chinese and Yunnan University, China facilitates the visit of Chinese teachers to the Department at regular intervals and help in improving the overall Chinese language ability of the students and faculty members.
- Visva-Bharati is the only University offering undergraduate and postgraduate courses in Japanese Language the Eastern Region. The Department of Japanese receives active support from the Japanese Consulate, Kolkata, and also from Japan Foundation, New Delhi Office.
- Reputed academic journals published by various departments of the Bhavana include *Visva-Bharati Patrika* in Hindi (since 1941), *Visva-Bharati Dipika* in Odia (since 1980), *Bangla* from the Department of Bengali (since 2007), *Apperception* from DEOMEL (since 2001).

Weaknesses

- Inadequate infrastructural facilities
- No language laboratory for Modern European Language classes; no digital and

audio-visually enabled classrooms

- No aid or facility, for instance the use of Braille, for students with special needs.
- Lack of reading room for the students within the respective departments.
- Non-availability of full time librarians in some of the departmental libraries, for instance, Department of Japanese.

Opportunities

- Utilization of available resources in the manuscriptorium of Visva-Bharati and the archives of Rabindra-Bhavana
- The departments of foreign languages have immense opportunities for collaborating with foreign universities in various capacities.
- In the department of Japanese, the Indo-Japan relation is strengthening day-by-day, therefore the students will have better employment prospects. MEXT provides short term and long term scholarships to our students every year.
- One of the major strengths of the department of Indo-Tibetan Studies is the possession of the entire collection of scriptures related to Mahayana Buddhism in Tibetan language. These are to be made accessible to several universities and institutions, such as Central University of Tibetan Studies, Sarnath; Central Institute of Buddhist Studies, Leh; Namgyal Institute of Tibetology, Sikkim; Karmapa International Buddhist Institute, New Delhi, The Asiatic Society, Kolkata and so forth for conducting translation, restoration and dictionary projects including research, where students are being invited to join the projects. There are several other big projects, such as ACIP [Asian Classic Input Project], Tengyur Translation in the United States and others, which invite students to join them, thus providing qualified students with opportunities for employment.
- In the department of Odia, functional Odia language and literature will benefit the other language students

Challenges

- Apart from the Seminar Library, Central Library and the Rabindra-Bhavana Library, no other well-equipped library is available in the vicinity; the faculty members and the student have to go to other cities regularly for library work.
- To develop soft-skill competence of students so that they can find jobs in private-public enterprises.
- Procuring further expertise in rare languages like Pali and Prakrit.

- One of the major challenges faced by the department of Japanese is to create a chair so that renowned Japanese academicians from leading universities and research institutes can be appointed on a long term basis (at least for a year or two).
- To enhance the present status of the library with more research oriented journals and periodicals to meet the future challenges in the research arena.
- To provide audio-visual facilities for the students of various levels.
- To devise methodology of teaching Indo-Tibetan Studies that includes Indo-Tibetan language, literature and culture in the global context.
- To restore lost texts in its original which are now available in Tibetan language with the assistance of well-versed Tibetan and Sanskrit scholars.

Kala Bhavana

Kala Bhavana is a premier institute of visual art and design. Since its inception in 1919, it has played a significant role in developing new ideas in the education of modern art in India. Rabindranath Tagore, Nandalal Bose, Benodebihari Mukherjee and Ramkinkar Baij had contributed richly to its artistic heritage with their creative excellence. At present, Kala Bhavana comprises five departments: Design (Ceramic, Glass and Textile), Sculpture, Painting, Graphic Art and History of Art. The strengths, weakness, opportunities and challenges of the Bhavana are as follows:

Strengths

- A strong process based art curriculum leading towards awareness to individual creativity and also translating them to socially relevant art practice.
- Initiating collaborative and group activities through outdoor activities, workshops and seminars
- Practicing a critical approach to research and experimentation with traditional and contemporary idioms of art practice.
- Encouraging students to engage with new media based art activity and performance art to incorporate evolving modes of communication system in art practice.
- Practice based art practice with a strong focus on conceptual and post conceptual process of art to generate more active relation between art making and social engagement

Weaknesses

- Insufficient facility of new communication systems for teaching and research.
- Lack of adequate and proper studio facility commensurate with the enhanced

intake of students.

- Insufficient individual studio space for Masters Students.
- Requirement for a specialized mural studio that could accommodate new machineries for mural application in public space.
- Lack of infrastructure for archiving, documentation and research activity

Opportunities

- Students enjoy a unique environment for engaged research with an orientation towards approach to individual creativity.
- Unique environment nurturing a community lifestyle of studio practice
- Providing a global approach to art practice where students from different region and country to participate and explore creativity
- Regular visits and opportunities to meet and interact with internationally reputed artists visiting Santiniketan regularly.
- Generative space for experimentation and knowledge building in diverse areas of creativity and scope for doing research and development.

Challenges

- To create a balance between new technology and a process based organic art education.
- To generate an awareness of process and performativity in contemporary art practice.
- To ensure a regular inflow of visiting fellows familiar with international contemporary art practice.
- To evolve a contemporary pedagogic policy in keeping with the ever changing relationship of art, culture and society.
- To be at par with best universities providing art education.
- Encourage a holistic approach to arts among students so that it becomes a way of life not merely a profession
- To adopt its strong art historical programme, largely based on the Viennese School of Art History inherited through the interventions of Stella Kramrisch, to the changing values of theoretical studies.
- To achieve high intellectual standards with whatever infrastructure support it can marshal, especially since its location denies ready access to the resources of other cultural institutions and events which are largely urban centred.

Sangit Bhavana

Sangit Bhavana, as an Institute of Music, Dance and Drama under Visva-Bharati, is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals like 'Tree Planting Ceremony', 'Festival of Rains', 'Autumn Festival', 'Spring Festival', 'Ploughing Ceremony' as well as *Mandir* services (*Upasana*) etc as laid down in the statute of the university since the time of Rabindranath. At present Sangit Bhavana consists of two department viz. Hindusthani Classical Music and Rabindra Sangit Dance and Drama. The Bhavana has introduced a unique 'Çentre for Esraj' and a special research wing viz. *Rabindrasangit Gabeshana Kendra* (Research Centre for Tagore's Songs). The strengths, weaknesses, opportunities and challenges of the Bhavana are as follows:

Strengths

- A very rich and strong faculty in music, which had been initiated by Gurudeva Rabindranath Tagore
- The premier institution for 'Rabindra Sangit learning' in the world
- Rabindra-Sangit Gabeshana Kendra, Kalanukramik Rabindra-Sangit Prakalpa and Natya Charcha Kendra in collaboration with Rabindra Bhavana
- New curriculum for 'Rabindranritya' from UG to PhD level
- Only institution offering courses in Esraj starting from short-term courses to PhD
- Performance and production within the University, different places within the states, across the country and abroad generating funds for the University.
- Regular participation of students in the programmes organized by the SAARC countries and the Youth Festivals at the national level.
- A very rich Performing Art library with Digitization of Books
- Excellent Teacher-student ratio

Weaknesses

- Need for an Audio-visual studio
- Need for a digitized archive exclusively for the Bhavana
- Need for Documentation unit of Sangit-Bhavana

Opportunities

- Incorporation of other streams of dances like Bharatnatyam and Odissi in the department of Rabindra Sangit, Dance and Drama
- Incorporation of other streams of instruments like Flute, *Sarod* and Violin in the

department of Hindusthani Classical Music.

- Building a repertoire for Rabindrasangit, Dance and Drama productions
- Collaboration of performing arts departments/ schools at the national and international levels through already existing MoUs. For example- Sri Lanka, Satyajit Roy Film Institute, Kolkata
- Initiating interdisciplinary performance based research

Challenges

- Preserving Tagore's vision of education in performing arts
- Devising methodology of teaching Rabindrasangit in the global context.
- Exploring avenues for propagation of Rabindrasangit, Dance and Drama presentations at national and international level
- Developing improved curriculum suitable to Semester system
- Generating funds from national and international organizations through dissemination of Tagore's ideas, concept, ethos and culture by way of presentation.

Palli Samgathana Vibhaga

Palli Samgathana Vibhaga was originally established at Sriniketan by Rabindranath Tagore in 1922 with the primary objective to bring back life into villages making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions. Leonard K. Elmhirst was its first Director. This Institute has four departments, a library and a Music Unit. The Institute is a balance between academic activities (teaching and research) and extension activities. A substantive data bank of the villages under eight Gram Panchayats in Bolpur-Sriniketan and Illambazar Block has been built up over the years. The strengths, weaknesses, opportunities and challenges of the Bhavana are as follows:

Strengths

- This institute is a part of the well-known Sriniketan Experiment of Tagore on Rural Development.
- Facilitates interdisciplinary research.

- Excellent placement of students.
- Fifty adopted villages being the greatest strength
- Entrepreneurship development
- Dissemination of technical training to unemployed rural youth
- Extension activities
- Revenue generation through extension activities in department of Silpa Sadana

Weaknesses

- The UGC has discontinued NET programme for rural development offered by the department of Palli Charcha Kendra.
- Inadequate Industry-Institute partnership at Silpa Sadana.

Opportunities

- Enactment of Corporate Social Responsibility laws is opening the scopes of research in rural development funded by the corporate bodies.
- Constitutional amendments for Panchayati Raj Institution also have created huge opportunities for rural development.
- Scope of transferring knowledge to the rural communities of the adjacent villages.
- Dissemination of research output to the planners and policy makers.
- Wider spaces for extension.
- Enormous opportunities of conducting field work in nearby rural and tribal villages
- University-community partnership and governmental departments-NGO partnerships also provide immense opportunities for department of Social Work and Rural Development in research.
- Scope of introducing M.B.A in Rural Management

Challenges

- Funding for infrastructure and inadequate maintenance staff.
- Creating need based facilities for the students
- Cost control, effectiveness and viability.

- Acquiring appropriate academic expertise through inter-department and external collaborations n pose a major challenge.
- Acquiring appropriate readings and development of a proper seminar library is a major problem for the newly developed Women's Studies Centre
- Attracting externally funded research projects

Palli Siksha Bhavana

Palli-Siksha Bhavana (Institute of Agriculture) was established on September 1, 1963 as Palli-Siksha Sadana (College of Agriculture) and later renamed as Palli Siksha Bhavana (Institute of Agriculture) in the Visva-Bharati Act, as amended in 1984. Palli-Siksha Bhavana (Institute of Agriculture) imparts education in Agricultural Science subjects both at undergraduate and post-graduate levels. Apart from teaching and research, this Bhavana is also engaged in extension activities in the field of agriculture in the surrounding villages and elsewhere. Rural Awareness Work Experience (RAWE) and Experiential Learning (EL) are compulsory and a part of the academic curriculum for undergraduate students. Other academic support units are Agricultural Farm, Horticultural Farm, Dairy and Poultry Farm, Soil Testing Laboratory, Library and Rathindra Krishi Vigyan Kendra. The institute has its own placement cell. The strengths, weaknesses, opportunities and challenges of the Bhavana are as follows:

Strengths

- The heritage of the institute with ideals and vision of Nobel Laureate Rabindranath Tagore, his son Rathindranath Tagore, first Vice-chancellor of Visva-Bharati and the great philanthropist Leonard K Elmhirst providing constant source of inspiration
- At the entry level of UG programme of the Bhavana, creamy layer of students next to medical and engineering discipline opt for agriculture discipline and they also earn fame for the institute with their extra-ordinary performance in All India level ICAR-JRF Exams, JNU and BHU Entrance Test for PG programme, ICAR- NET, Banking Service, School Service and various other competitive examinations.
- Dedicated faculties of national and international reputation and mutual respect among present and former faculties who benevolently extend their advice and all sort of cooperation
- Perpetuation of constructive interaction with so many alumni of the institute serving national and international research institutes, universities and administration at different levels.

- The academic staffs have national and international expertise in developing course outlines.
- Scope for inclusion of multidisciplinary perspective in teaching and research.

Weaknesses

- Acute shortage of qualified administrative, supporting and technical staff at the departmental level and lack of students at PG level with impressive academic record and enthusiasm as most of our UG students are admitted to other Universities/Institutes through ICAR.
- Inadequate research infrastructure with no field and research assistants, lacking of modern laboratory facilities with adequate manpower and modern facilities at the Agricultural Farm, Dairy Farm and Horticultural Farm.

Opportunities

- Ample opportunity to cater to the need of agricultural education to the students of rural area of the locality as this district is still enlisted as one of the backward districts of the State of West Bengal.
- Provided with research infrastructural facilities, intake for PG and Ph. D. programme can still be increased and post-doctoral studies and also other short term vocational oriented certificate course can be started.
- Developing active collaborative research and extension work with Agriculture Dept. of Govt. of WB getting access to their research farms nearby and also with NGOs and Corporate sectors.
- There is scope of interdisciplinary teaching, research and extension work within the Visva-Bharati University with collaborative approaches particularly with the Departments of Botany, Biotechnology, Statistics, Computer Science and Environmental Sciences of Siksha Bhavana; Departments of Economics and Geography of Vidya Bhavana and Departments Social Work, Rural Extension Centre and Palli Charcha Kendra of Palli Sangathan Vibhaga.
- Farmer advisory service with a Kisan Call Centre can be established to cater the need of farmers in challenging scenarios of global free trade regime and rapid climate change.

Challenges

- Infrastructure (computers and printers, fund for purchasing books, journals and data/departmental Seminar library etc.) in the newly developed Women's Studies Centre
- Research priority needs to be oriented toward organic farming and integrated farming system in the context of increasing input cost, soil health problem and

sustenance of livelihood and on rain water management including rain water harvesting and irrigation research particularly micro-irrigation system.

- To orient the students' attitude toward self entrepreneurship instead of job orientation learning of agriculture.

Vinaya Bhavana

Vinaya Bhavana called as Institute of Education started functioning as a craft oriented teacher training institution in 1948 before the recognition of Visva-Bharati as a central university. Keeping pace with the changing time and needs, this institution has always made an effort to strike a balance between the professional and liberal dimensions of education by way of integrating teacher education, extension education, work education and physical education. At present Vinaya Bhavana comprises of two departments – Education and Physical Education. The strengths, weaknesses, opportunities and challenges of the Bhavana are as follows:

Strengths

- Tagorean Educational Thought & Practice
- Unique Craft Based Work Education for Teacher Trainees
- Extension Activities - Community Work, Educational Programme & Research
- Spiritual & Cultural Value integration
- Eco-Consciousness
- Integration of Professional & Liberal Education.
- Research in sports science.
- National (Department of Education and Ramkrishna Mission) and international collaboration (Department of Physical Education and a Korean University).
- Outreach activities to Higher Secondary and primary streams.

Weaknesses

- Financial resource generation capacity
- Fostering integrated and interdisciplinary research

Opportunities

- Educational Innovations
- Education for Community Work & Rural Development (REC)
- Developing Academic Staff College
- Activities relating RTE, literacy, capacity building programme for school teachers.
- Development of Academic and Sports excellence.

Challenges

- Creation of centre of excellence in Physical Education and Sports.
- Creation of Centre of Excellence in Education.

Rabindra Bhavana

Rabindra Bhavana is a repository of Tagore collection and a core centre for Tagore-centric research and understanding. Rabindra Bhavana comprises several units viz. museum, archives, library, audio-visual, preservation and garden units. At present Rabindra Bhavana is an integral part and the principal constituent of Tagore Memorial Institute as recommended by the High Level Committee appointed by the *Paridarshaka* of Visva Bharati. The strengths, weaknesses, opportunities and challenges of the Bhavana are as follows:

Strengths

- Rabindra-Bhavana is the largest repertoire of Tagore related documents, artifacts and other memorabilia which are objects of global attraction.
- Presence of internationally acclaimed scholars and researchers and regular interaction with them.
- In view of world wide exposure, feedback on the performance is received internationally.
- Photo Archives and rare book section of the library where the books used by Tagore were preserved.
- Collaboration with Overseas Institutions on propagation of *Tagoreana*.

Weaknesses

- Dearth of space.
- Shortage of trained staff
- Computerisation of library not yet achieved.
- Paucity of research faculties
- Exclusive website

Opportunities

- Space has been allocated for construction of Gitanjali Hall.
- The vacant posts have been advertised and it is expected that new faculty will join shortly.
- Process of computerisation has started.
- Recruitment process for new faculties started.
- C-DAC is preparing new website for Rabindra-Bhavana.

Challenges

- To make Tagore's ideas globally accessible.
- To make translations of Tagore in various languages available.
- To design new courses on Tagore for international students.
- To bring together various facades of Tagore's creativity under research.
- To create a richer and more accessible archive and library for specialised researchers.

Pearson Memorial Hospital

Visva-Bharati

Santiniketan

Santiniketan is a place where Rabindranath Tagore started his Ashram School in 1901. Later on, he established the Visva-Bharati University in 1921 for advanced study and research. As Santiniketan is situated in rural Bengal, far away from Kolkata, he felt the special need of health services for scholars, researchers, students coming from different parts of the country and abroad, and also for others living in and around Santiniketan. To meet this need the building of **Pearson Memorial Hospital** started in 1927 at Santiniketan. W. W. Pearson was a friend of India and died at a young age.

But, the growth of this hospital falls much short of expectation. As a consequence, the health of the scholars, researchers, students and others in the University could not be assured. This directly affects the education in the University. Moreover, this hospital fails to provide services to the people not associated with Visva-Bharati due to meagre fund allocation under UGC.

At present, P. M. Hospital has following infrastructure, Doctors with position, staff strength and facilities:

1. **Beds** : 35
2. **Services** :
 - a) OPD service;
 - b) Emergency Medical Service
 - c) Indoor Patient's Care
 - d) Operations. 1. General Surgery 2. Gynaecological Surgery
 - e) Pathological Laboratory for general investigations of blood & serum, stool & urine, sputum,
 - f) X-ray,
 - g) ECG
 - h) Dispensary for medicine disbursement
 - i) Ambulance Service
 - j) Participation in National Health Programmes
 - k) Sanitary Health service
3. **Doctors**
 - Administration:** A. Chief Medical Officer (Admn.)-----One

B. Medical Superintendent-----One

Specialist Medical Officers: Four

1. Medicine,
2. Surgery,
3. Gynaecology
4. Anesthesiology

General duty Medical officer: eight

4. **Staff Nurses:** 12 with other supporting employees.
5. **In addition**, there is one more Dispensary with two more general duty Medical Officers situated at Sriniketan, the agriculture and rural reconstruction education centre of the university.

Our strength:

1. We have four regular specialist medical officer and provide Primary as well as secondary level of health care. Such facilities are not available in any university system.
2. We provide emergency medical service round the clock.
3. We provide ambulance service round the clock.
4. We have our own investigation facilities to reasonable extend.
5. We provide health service through our rural reconstruction programme.
6. Peaceful environment and strong support by our administration and employees for continuous improvement of the health services.

Our weakness:

1. We are situated in the rural Bengal where tertiary health care facilities are not available.
2. Any seriously ill patient suffering from *head injury, cerebral or cardiac stroke, pulmonary edema or respiratory failure*, etc. are to be transferred to Kolkata or Durgapur on emergency basis for treatment. Often there is irreparable damage to the health of the patient before the proper treatment is obtained from the tertiary level centre.
3. As the medical service is non-teaching and supportive system in the university, liberal fund allocation and **new post creation** for the hospital is uphill task.
4. As a consequence, health in the university cannot be fully assured to attract renowned teachers, scholars and others with health problem.

Among the all odds, to improve the health facilities in the university, administration has decided for up-gradation of hospital facilities under the XIth plan and accordingly, a new building of hospital is coming up. It is also decided to go for Private Public Partnership to improve the university health service to the tertiary health care.

A Glimpse of services we rendered:**1. Patients' Attendance**

| Year | OPD |
|---------|-------|
| 2009-10 | 35236 |
| 2010-11 | 36670 |
| 2011-12 | 39953 |
| 2012-13 | 39537 |

2. Indoor Admissions

| Year | No. |
|---------|------|
| 2009-10 | 1125 |
| 2010-11 | 1089 |
| 2011-12 | 965 |
| 2012-13 | 869 |

3. Blood Laboratory (without Pathologist)

| Year | General Pathology | Biochemistry | Total |
|---------|-------------------|--------------|-------|
| 2009-10 | 9674 | 8942 | 18616 |
| 2010-11 | 9808 | 8965 | 18773 |
| 2011-12 | 11033 | 9627 | 20660 |
| 2012-13 | 11382 | 8824 | 20206 |

4. X-Ray (Without Radiologist)

| Year | Number |
|---------|--------|
| 2009-10 | 3423 |
| 2010-11 | 3228 |
| 2011-12 | 2849 |
| 2012-13 | 3047 |

5. ECG

| Year | Number |
|---------|--------|
| 2009-10 | 1536 |
| 2010-11 | 1665 |
| 2011-12 | 1832 |
| 2012-13 | 2144 |

Visva-Bharati
Granthana Vibhaga
(Publishing Department)

Visva-Bharati Granthana-Vibhaga, established in 1923 by Rabindranath Tagore, is a unique institution for many reasons. Eminent Tagore scholars involved in the editing of Tagore's works have collected materials from different corners of the globe to publish authoritative editions of Gurudeva's writings. Many of these scholars have devoted their whole life for this purpose and also enriched those editions with critical notes. The production of these books including illustration, cover design, layout etc is also quite uncommon and bears up the exclusive signature of Granthana-Vibhaga. The Bengali spelling followed here, has been developed over the years at the initiative of Prasantachandra Mahalanabis, Rajsekhar Basu, Pulin Bihari Sen, and others. Besides nearly 400 books by and on Tagore, there are almost an equal number of books on Philosophy, Religion, Science, Social Sciences, Rural Development, Lalit kala and Sangeet, written by the faculty members of Visva-Bharati as well as well as the scholars from other institutions in India and abroad. Besides Bengali, English and Hindi books, Granthana-Vibhaga is gradually extending itself to other languages also. The books of Gurudeva alone sell nearly Rs 2.50 crores every year from the Visva-Bharati Granthana-Vibhaga alone and the total sale grosses up to nearly Rs 6 crores on an average which is not a common phenomenon in the publication of literary books in the world.

MODULAR SYLLABUS

VISVA-BHARATI DEPARTMENT OF CHEMISTRY M. Sc. SEMESTER-WISE COURSE AND CREDIT STRUCTURE

M. Sc. First Year, Semester I (5T+1P), (Total Marks: 300)

| <u>Couse No.</u> | <u>Subject</u> | <u>Marks</u> | <u>CP</u> | <u>No. of</u> |
|------------------|----------------------------------|--------------|-----------|---------------|
| <u>Lectures</u> | | | | |
| CH 701 | Inorganic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 702 | Inorganic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 703 | Organic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 704 | Organic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 705 | Physical Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 706 | Physical Practical (core) | 50 (40 + 10) | 4 | - |

M. Sc. First Year, Semester II (4T +2P), (Total Marks: 300)

| <u>Couse No.</u> | <u>Subject</u> | <u>Marks</u> | <u>CP</u> | <u>No. of</u> |
|------------------|-----------------------------------|--------------|-----------|---------------|
| <u>Lectures</u> | | | | |
| CH 807 | Inorganic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 808 | Organic Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 809 | Physical Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 810 | Physical Chemistry (core) | 50 (40 + 10) | 4 | 50 L |
| CH 811 | Inorganic Practical (core) | 50 (40 + 10) | 4 | - |
| CH 812 | Organic Practical (core) | 50 (40 + 10) | 4 | - |

M. Sc. Second Year, Semester III (2ET + 3OT +1OP) (Total Marks: 300)

| <u>Couse No.</u> | <u>Subject</u> | <u>Marks</u> | <u>CP</u> | <u>No. of</u> |
|------------------|---------------------------|--------------|-----------|---------------|
| <u>Lectures</u> | | | | |
| CH 913 | Elective-1(Inorganic) | 50 (40 + 10) | 4 | 50 L |
| CH 914 | Elective-2(Organic) | 50 (40 + 10) | 4 | 50 L |
| CH 915 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 916 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 917 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 918 | Optional Practical | 50 (40 + 10) | 4 | - |

M. Sc. Second Year, Semester IV (1ET + 3OT + 1 Project) (Total Marks: 300)

| <u>Couse No.</u> | <u>Subject</u> | <u>Marks</u> | <u>CP</u> | <u>No. of Lectures</u> |
|------------------|-----------------------|---------------|-----------|------------------------|
| CH 1019 | Elective-3 (Physical) | 50 (40 + 10) | 4 | 50 L |
| CH 1020 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 1021 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 1022 | Optional | 50 (40 + 10) | 4 | 50 L |
| CH 1023 | Project | 100 (80 + 20) | 8 | - |

N.B. [T= Theory; P= Practical; ET= Elective theory; OT= Optional theory; OP= Optional Practical; CP=Credit point]

**M. Sc. Semester-I
Theoretical**

**CH 701: Inorganic Chemistry (Core)
Full Marks: 50 (40 + 10); Credit point: 4**

- Coordination Chemistry-bonding, stereochemistry and structure** (13L)

Symmetry and Isomerism; Ligand field theory and molecular orbital theory; nephelauxetic series, structural distortion and lowering of symmetry, electronic, steric and Jahn-Teller effects on energy levels, conformation of chelate ring, structural equilibrium, magnetic properties
- Complexes in aqueous solutions** (12L)

Metal ligand stability constant and its controlling factors, different tools of study (pH-potentiometric, polarographic, spectrophotometric, volumetric) and methods of measuring stability constants of complexes, Bjerrum half titration method, stability of mixed ligand complexes and calculations, determination of composition (Jobs, mole ratio and slope ratio methods), evaluation of thermodynamic parameters
- Molecular magnetism-I** (13L)

Basic concepts of magnetism, magnetization and magnetic susceptibility, Types magnetic behavior (dia-, para-, ferro-, ferri- and antiferro-) and their temperature dependence, Curie and Curie-Weiss laws, temperature independent paramagnetism, Pascal's Constants and its utilities, Determination of χ_M in solution, Usefulness of μ_s and μ_j equation respectively for transition and inner transition series, Van Vleck's equation and its applications, spin-orbit coupling,

zero-field splitting, quenching of orbital angular momentum, High-spin/Low-spin Equilibrium, types of exchange interactions

4. Electronic spectra of transition metal complexes (12L)

Russel-Saunders (R-S) terms-Inter electronic repulsion parameters (B), Splitting of R-S Terms in Different Geometries, Orgel and Tanabe Sugano diagram, Selection rules for spectral transitions, calculation of Dq, B and β parameters, Different types of d-d bands and their assignment, Charge transfer bands

M. Sc. Semester-I

Theoretical

CH 702: Inorganic Chemistry (Core)

Full Marks: 50 (40 + 10); Credit point: 4

1. Cage, Metal clusters and ring compounds (13L)

Cage compounds- higher boron hydrides- structure and reactivity, equation of balance-styx numbers, Lipscomb topological diagrams, Wades rules, Jemmis' unifying electron counting rule, carboranes, metallocarborane, metalloborranes and heteroboranes, phosphorous cage compounds; Metal clusters- clusters in elemental states, cluster classification, skeletal electron counting, bonding in metal clusters, polyhedral skeleton electron pair theory (PSEPT), Zintl ions, Silicates-pyroxene, amphiboles, talc, clay, zeolite, ultramarine

2. Polymer Chemistry-1 (12L)

Basics: Importance of polymers, Basic concepts of monomers, repeat units, degree of polymerization, linear, branched and network polymers, classification of polymers, polymerization-condensation, addition, radical chain-ionic and coordination, copolymerization; Polymer characterization- number, weight and viscosity average molecular weights, polydispersity index and molecular weight distribution, measurement of molecular weight by viscosity method; Structure and property- the glass transition temperature, relationship between T_g and T_m , factors controlling T_g ; Functional polymers-fire retarding polymers and electrically conducting polymers; Biomedical polymers- contact lens, dental polymers, artificial heart, kidney, skin and blood cells

3. Organometallic Chemistry-1 (13L)

Alkyls and aryls of transition metals– types, routes of synthesis, stability and decomposition pathways, agostic interactions, organocopper in organic synthesis; Compounds of transition metal-carbon multiple bonds: alkylidenes, alkylidynes, low valent carbenes and carbynes-synthesis, nature of bonds, structural characteristics, nucleophilic and electrophilic reactions on the ligands, role in organic synthesis

4. Electro-analytical method-1

(12L)

Decomposition and discharge potential, current voltage diagram, linear sweep voltametry (LSV), reversible and irreversible systems, Cottrell equation (qualitative), excitation and switching potential, cyclic voltametry and its application; Coulometry and amperometry – analytical applications

M. Sc. Semester-I

Theoretical

CH 703: Organic Chemistry (Core)

Full Marks: 50 (40 + 10); Credit point: 4

I. Static Stereochemistry

(12

L)

Molecular symmetry and chirality, Conformation of acyclic and cyclic systems (3 to 5 and 7 to 8 members ring), conformations of rings with multiple double bond, conformations of 3 to 6-membered heterocycles, stereoelectronic effects in heterocycles. Optically active compounds with no asymmetric carbon (allene, biphenyls, spirans etc.), Baldwin's rule, stereochemistry of fused ring and bridged ring compounds (with special reference to decalin and phenanthrene systems)

2. Dynamic Stereochemistry

(13 L)

Conformation and reactivity, Curtin-Hammett principle and Wenstein-Eliei equations
Conformation, reactivity & mechanism: Acyclic and cyclic system (nucleophilic substitution reaction, formation and cleavage of epoxide ring, addition reactions to double bonds, Elimination reactions, pyrolytic syn-elimination, oxidation of cyclohexanols, neighbouring group participation reactions etc.), Stereoelectronic effects, Elementary idea about asymmetric synthesis

3. Reactions Mechanism: Substitution reactions and Free-radical reactions (12 L)

Substitution reactions: Aliphatic nucleophilic substitution — S_N1 , S_N2 , mixed S_N1 and S_N2 , SET mechanisms; neighbouring group mechanism, neighbouring group participation by pi and sigma bonds, anchimeric assistance; S_{Ni} mechanism; nucleophilic substitution at an allylic, aliphatic trigonal and a vinylic carbon; reactivity effects of substrate structure, attacking nucleophile, leaving group and reaction medium; phase transfer catalysis and ultrasound; ambident nucleophile; regioselectivity, Aromatic nucleophilic substitution — S_{NAr} , benzyne and $S_{RN}1$ mechanisms; reactivity effects of substrate structure, leaving group and attacking nucleophile, Aliphatic electrophilic substitution — S_E1 , S_E2 , and S_E^i mechanisms; electrophilic

substitution accompanied by double bond shifts; effects of substrates, leaving group and solvent polarity on the reactivity, Aromatic electrophilic substitution — the arenium ion mechanism; orientation and reactivity; energy profile diagrams; the ortho/para ratio; orientation in other ring systems; *ipso* attack; *Free radical reactions*: Types of free radical reactions; free radical substitution mechanism; mechanism at an aromatic substrate; neighbouring group assistance; reactivity for aliphatic and aromatic substrates at a bridgehead; reactivity in the attacking radicals; effects of solvents on reactivity; allylic halogenation (NBS), oxidation of aldehydes to carboxylic acids; auto-oxidation; free radical rearrangements

4. Reactions Mechanism: Elimination, Addition and Rearrangement reactions (12L)

Elimination reactions: E1, E2 and E1cB mechanisms; product stereochemistry; effects of substrate structures, attacking base, leaving group and the medium on reactivity; mechanism and orientation in pyrolytic elimination; *Addition reactions*: Addition to carbon-carbon multiple bonds — mechanistic and stereochemical aspects of addition reactions involving electrophiles, nucleophiles and free radicals; region- and chemoselectivity; orientation and reactivity; Addition to carbon-hetero multiple bonds — mechanism of metal hydride reduction of saturated and unsaturated carbonyl compounds, acids, esters and nitriles; addition of Grignard reagents, organozinc and organolithium reagents to carbonyl and unsaturated carbonyl compounds; Mechanism of condensation reactions involving enolates- Aldol, Knoevenagel, Claisen, Perkin and Stobbe reactions; *Rearrangement reactions*: Formation and stability of carbonium ions, carbanion, carbenes, nitrenes, radicals and arynes. Rearrangement involving carbocation (Wagner-Meerwein, Pinacol-Pinacolone rearrangement), reaction involving acyl cation, PPA cyclization and Fries rearrangement, rearrangement of carbenes (Wolff & Arndst-Eistert synthesis), rearrangement of nitrenes (Hoffmann, Curtius, Schmidt, Lossen, Beckmann rearrangement); sigmatropic rearrangements

M. Sc. Semester-I

Theoretical

CH 704: Organic Chemistry (Core)

Full Marks: 50 (40 + 10); Credit point: 4

I. Heterocyclic chemistry of 1,2- & 1,3-azoles (15L)

1,2- and 1,3-azoles: Synthesis/ reactions/ applications, Comparison of azoles (1,2- / 1,3-) with other related mono-heterocycles.

2. Green Chemistry (10 L)

The need of green chemistry, Principles of green chemistry, Concept of atom economy Tools of green Chemistry – microwave, ultra sound, ionic liquids, supercritical H₂O and CO₂ as solvents, etc. Green Chemistry in real world cases and planning green synthesis in chemical laboratory

3. Some selective name reactions: Part-A (12 L)

Shapiro reaction, Mitsunobu reaction, Hofmann-Löffler-Freytag reaction, Barton reaction, Ene reaction, Mannich reaction, Stork enamine reaction, Michael addition, Robinson annulation, Barton decarboxylation and deoxygenation reaction, Sharpless asymmetric epoxidation.

4. Some selective name reactions: Part-B

(13 L)

Birch reduction, Aldol condensation, Wittig reaction, Prevost reaction, Simmons-Smith cyclopropanation, Nef reaction, Favorskii reaction, Baeyer-Villiger oxidation, Claisen rearrangement, Beckmann rearrangement etc

M. Sc. Semester-I

Theoretical

CH 705: Physical Chemistry (core)

Full Marks: 50 (40 + 10); Credit point: 4

1. Introduction to Quantum Mechanics

(10L)

Wave-particle duality. Uncertainty principle. Postulates of Quantum Mechanics. Schrodinger wave equation and its solution. Wavefunction and its probabilistic interpretation. Orthogonality and normalization of wavefunctions.

2. Operator Algebra

(10L)

Definition. Linear operators. Hermitian operators. Theorems. Eigenvalue equation. Commutation relation. Operators and observables.

3. Free particle and Particle-in-Box

(15L)

Free Particle. Particle-in-Box and energy quantization. Selection Rules. Discussion on Bohr's correspondence principle. Checking the validity of Schrodinger wave equation based on correspondence principle and Heisenberg's Uncertainty principle. Tunneling

4. Harmonic Oscillator

(15L)

Solution of Schrodinger equation of a Harmonic oscillator using the operator method as well as the technique for solution of differential equation. Selection rules for Harmonic oscillator. Checking the validity of Schrodinger wave equation based on correspondence principle Heisenberg's Uncertainty principle.

M. Sc. Semester-I
Practical (core)
CH 706: Physical Chemistry
Full Marks: 50 (40 + 10); Credit point: 4

1. To determine the rate constant of hydrolysis of an ester/ ionic reaction in a micellar media.
2. To verify Ostwald dilution law and determine the K_a of a weak acid.
3. To determine the concentrations of a strong and a weak acid in a given mixture by potentiometry.
 4. To determine the formal potential of Fe^{III}/Fe^{II} couple by potentiometry.
4. To determine the rate constant and salt effect on the rate constant of decomposition of $K_2S_2O_8$ by KI.
5. To determine the composition of a mixture of acetic acid, sodium acetate and ammonium acetate by conductometry.
6. To determine the rate constant and energy of activation of the alkaline hydrolysis of ethyl acetate by conductometry.
7. To determine the dissociation constant of Phenolphthalein indicator by spectrophotometry.
8. To study the kinetics of alkaline hydrolysis of crystal violet by spectrophotometry

M. Sc. Semester-II
Theoretical
CH 807: Inorganic Chemistry (Core)
Full Marks: 50 (40 + 10); Credit point: 4

1. Inorganic reaction mechanism-I

(13L)

Energy profile of a reaction, application of different reaction parameters in understanding reaction mechanism-linear free energy relationship,, effect of leaving group, non-leaving group, entering group, steric hindrance and acceleration; solvent exchange reaction-importance in suggesting reaction mechanism, derivation of some important rate laws, kinetically indistinguishable schemes, techniques of fast kinetics, classification of ligand substitution reaction mechanism-associative, dissociative, interchange, etc., Eigen mechanism, proton ambiguity, internal conjugate base formation

2. Bioinorganic Chemistry-I**(12L)**

Metal ions in biology, myoglobin, hemoglobin, heamocyanin, hemeerythrin, cytochromes, rubredoxin, ferredoxins; biological fixation of nitrogen, chlorophyll and photosynthesis; PS-I, PS-II, bioenergetics and ATP cycle, glucose storage, Na^+/K^+ ion pump, ionophores

3. Structure and properties of solids**(13L)**

Structure of mixed oxides-spinel, inverse spinel, ilmenite, perovskite, OSSE; crystal defects-intrinsic and extrinsic, thermodynamics of crystal defects, Schottky and Frenkel defects; color centers, dislocations, Burger vectors and Burger circuits, non-stoichiometric compounds; electronic properties of solids-conductors, semiconductors, insulators, superconductors; ferroelectricity, antiferroelectricity, piezoelectricity, pyroelectricity, cooperative magnetism, Quantum theory of paramagnetism, photoconductivity.

4. Solid state reactions and thermo-analytical methods**(12L)**

General principle and classification of solid state reactions, Experimental procedures to study the reactions-TGA, DTA, DSC; Thermogram, thermal stability, thermal degradation, laws governing nucleation and growth of nuclei, single crystal phase transformation, thermo-chemiluminescence, thermometric titrations, solid state reaction kinetics.

M. Sc. Semester-II**Theoretical****CH 808: Organic Chemistry (Core)****Full Marks: 50 (40 + 10); Credit point: 4****I. Natural Products with special reference to Biosynthesis****(13 L)**

Natural Products: Biosynthesis of a) Non-nitrogenous secondary metabolites from Shikinic acid, flavonoids and related polyphenolics, b) mono- and di-terpenoids from Mevalonic acid c) tri-terpenoids from geranyl pyrophosphate.

2. Structure and Functions of Proteins & Lipids**(12 L)**

Structure and functions of proteins: Chemical and enzymatic hydrolysis of proteins to peptides, amino acid sequencing. Secondary structure of proteins, Ramachandran Diagram, forces responsible for holding of secondary structures, α -helix, β -sheets. Tertiary structure of protein-folding, quaternary structure, Biosynthesis of peptide chain, *Lipids:* Fatty acids, structure and function of triacylglycerols, glycerophospholipids. Properties of lipid bilayers, Biological membranes, Fluid mosaic model of membrane structure.

3. Structure and Functions of Nucleic acids and Enzymes (13 L)

Nucleic acids: Purine and pyrimidine bases of nucleic acids, base pairing via H-bonding. Structure of ribonucleic acids (RNA) and deoxyribonucleic acids (DNA), double helix model of DNA and forces responsible for holding it; *Enzymes:* Chemical and biological catalysis, Properties of enzymes like catalytic power, specificity and regulation, Concept and identification of active site by the use of inhibitors, affinity labeling and enzyme modification by site-directed mutagenesis; *Mechanism of Enzyme Action:* Transition state theory. Examples of some typical enzyme mechanisms for chymotrypsin, ribonuclease

4. Co-enzyme chemistry (12 L)

Cofactors as derived from vitamins, coenzymes, prosthetic groups, apoenzymes, Structure and biological functions for pyridoxal phosphate, NAD^+ , NADP^+ , FMN, FAD. Mechanisms of reactions catalyzed by the above cofactors

M. Sc. Semester-II**Theoretical****CH 809: Physical Chemistry (core)**

Full Marks: 50 (40 + 10); Credit point: 4

1. Group Theory-I (10L)

Introduction to symmetry. Symmetry elements and Symmetry operations. Definition of a Group. Point symmetry groups. Group multiplication tables. Theorems of groups. Conjugate elements and class. Symmetry Operators and their Matrix Representation. Function space. Reducible and irreducible representations. Equivalent representations. Characters of representations.

2. Group Theory-II (14L)

Great Orthogonality Theorem- statement and interpretation. Proof of its corollaries. Character table and its construction. Number of times an irreducible representation occurs in a reducible one. The reduction of reducible representations. Notation of irreducible representations. Representations and quantum mechanics. The invariance of Hamiltonian operator under symmetry transformations. Direct product representation. Molecular vibrations. Symmetry species of the vibrational mode. Selection rules for Infra-red and Raman spectra. Crystal field splitting.

3. Quantum Mechanics of Rotational Motion (12L)

Angular momentum operators and their commutation relations. Operator algebra and Ladder operators for Rotational motion. Solution of Schrodinger equation using the operator method as well as the technique for solution of differential equation. Quantum Mechanics of rigid rotor and its application.

4. Hydrogen Atom**(14L)**

Separation of translational and internal motion of a two-body problem. Determination of radial part of the wavefunction. Relation among principal, azimuthal and magnetic quantum number. Nodal properties of angular part as well as the radial part of the Hydrogen atom wavefunction. Shape of the orbitals, Space quantization. Selection rules for Hydrogen atom.

M. Sc. Semester-II**Theoretical****CH 810: Physical Chemistry (core)****Full Marks: 50 (40 + 10); Credit point: 4****1. Ion-ion interaction****(12L)**

Ion association, symmetric and asymmetric ion-pair formation, Bjerrum theory, The fraction of ion-pair, Triple ion formation, Determination of ion-association constant, Activity coefficient of electrolytes, Extended Debye-Huckel theory, Pitzer equation for activity coefficient, Experimental determination of mean ionic activity coefficient.

2. Ion-Solvent interaction**(15L)**

Solvation of ions, Solvation number, Frank-Wien model of ionic solvation, Born model, Thermodynamics of ionic solvation, Enthalpy and free energy of solvation of ions, Experimental determination of solvation of ion.

3. Interface and Colloidal Stability**(12L)**

Colloidal aggregates, nanoparticles, stability of colloids and nanoparticles in solution. Surface charge of colloidal particles, Electrical double layer and theories of electrical double layer. Helmholtz- Perrin model, Gouy-Chapman model, Stern model. Zeta-potential, Determination of zeta potential. Streaming potential, sedimentation potential. DLVO theory, Optical properties of colloids and nanoparticle.

4. Biophysical**Chemistry****(14L)**

Hydrophobic hydration, micelle formation, hydrophobic interaction, stabilization and denaturation of protein. Water structure alternation theory of

denaturation of protein, protein–lipid interaction, Transport of ions and small molecules through membranes. Ion channels.

M. Sc. Semester-II
Practical (Core)
CH 811: Inorganic Chemistry
Full Marks: 50 (40 + 10); Credit point: 4

1. Analysis of some ores and alloys
2. Preparation of some complex salts and their characterization
3. Determination of composition and formation constant of a few selected systems by pH and spectrophotometric method
4. Magnetic susceptibility measurements

M. Sc. Semester-II
Practical (Core)
CH 812: Organic Chemistry
Full Marks: 50 (40 + 10); Credit point: 4

1. Separation of components from a mixture of organic compounds followed by their characterization.

M. Sc. Semester-III
Theoretical
CH 913: Elective-1 (Inorganic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Nuclear properties and structure (13L)
 Nuclear stability–different factors, nuclear models-Fermi gas model, Liquid drop model, nuclear shell model, nuclear magic number and its derivation from nuclear potential well, nuclear spin, nuclear configuration and parity, nuclear isomerization and non-optical transitions, nuclear temperature and entropy; models of disintegration-radiation emission (fluorescence) and electron emission (Auger effect), Theory of radioactivity decay-golden rule and selection rule, radioactive equilibrium.
2. Nuclear reactions (12L)

General features, types of nuclear reactions, conservation laws, Q-value and cross-section of nuclear reaction, mechanism of nuclear reactions, resonance and non-resonance reaction, nuclear fission-discovery, characteristics, fission yields, reproduction factor, four factor formula, critical size, atom bomb; nuclear reactors, breeder reactor, natural fission reactor; calculation of fission probability from Bohr-Wheeler's theory; nuclear fusion- characteristics, hydrogen bomb, stellar energy, controlled fusion reaction.

3. Inorganic photochemistry-1

(13L)

Basics of photochemistry- absorption, excitation, photochemical laws, quantum yield, lifetime of excited states, Flash photolysis, stopped flow techniques. Energy dissipation by radiative and non-radiative process, absorption spectra, Franck-Condon principles, photochemical stages- primary and secondary process; Properties of excited states- structure, dipole moment, acid-base strength, reactivity; Photochemical kinetics- calculation of rates of radiative process; Bimolecular deactivation- quenching; Excited states of metal complexes- comparison with organic compounds, electronically excited states of metal complexes, charge transfer excitation.

4. Supramolecular Chemistry-I

(12L)

Basic concepts and principles, molecular recognition and host-guest interactions, anion coordination and recognition of anionic substrates, organometallic receptors and their host-guest complexes, spherical recognition, podand, podate, cryptand, cryptate, coronand, coronate, molecular devices and supramolecular assemblies, supramolecular orbital, supramolecular arrays: ribbon. Ladder, rack, braded, grid; harnessing non-covalent forces to design functional materials

M. Sc. Semester-III

Theoretical

CH 914: Elective-2 (Organic)

Full Marks: 50 (40 + 10); Credit point: 4

1. NMR

Part

A

(13L)

Nuclear Magnetic Resonance (NMR) Spectroscopy: General introduction and definition; chemical shift; spin-spin interaction; shielding mechanism; mechanism of measurement; chemical shift values and correlation for protons bonded to carbon (aliphatic, olefinic, aldehydic and aromatic) and other nuclei (alcohol, phenols, enols, carboxylic acids, amines, amides & mercapto); chemical exchange; effect of deuteration; complex spin-spin interaction between two, three, four and five nuclei (first order spectra), virtual coupling, stereochemistry; hindered

rotation; Karplus curve-variation of coupling constant with dihedral angles; simplification of complex spectra — nuclear magnetic double resonance, contact of shift reagent, solvent effect; Fourier transform technique; nuclear Overhauser effect (NOE); resonance of other nuclei — F, P;

**2. NMR Part B
(13L)**

Carbon-13 NMR Spectroscopy — general considerations; chemical shift values (aliphatic, olefinic, alkyne, aromatic, heteroaromatic and carbonyl carbon); coupling constant; Two Dimensional NMR Spectroscopy — COSY, NOESY, DEPT, INEPT, APT and INADEQUATE techniques.

**3. Mass Spectroscopy
(13L)**

Mass Spectroscopy: Introduction; ion production — EI, CI, FD and FAB; factors affecting fragmentation; ion analysis; ion abundance; Mass spectral fragmentation of organic compounds; common functional groups; molecular ion peak; metastable peak; McLafferty rearrangement; nitrogen rule; high resolution mass spectrometry; examples of mass spectral fragmentation of organic compounds with respect to their structure determination.

**4. Identification of organic compounds by Spectroscopic techniques
(12L)**

Applications of spectroscopic techniques (UV, FT-IR, NMR and Mass) in a combined manner to solve structural problems of unknown organic compounds.

M. Sc. Semester-III

Theoretical

CH 915: Optional (Inorganic)

Full Marks: 50 (40 + 10); Credit point: 4

1. Metal ion promoted reactions (13L)

Important reactions-oxidative addition, reductive elimination, oxidative coupling, insertion, electrophilic and nucleophilic attack on the ligand; catalytic cycle, Tolman catalytic loop; Homogeneous/heterogeneous catalysis: hydrogenation by Wilkinson's catalyst, water gas shift reaction, Fisher-Tropsch synthesis, isomerization, alkene polymerization, Wacker-Smith synthesis, hydroformylation, hydrosilation, hydrophosphylation, hydroamination, hydrocyanation and hydroboration reactions, Monsanto acetic acid synthesis, Heck reaction, oxopalladation reactions, Mobil process, synthesis of methanol.

2. Physical characterization of inorganic compounds by spectral analysis-I (12L)

Electron spin resonance spectroscopy (ESR)- Basic principle and spectral display, standard material for ESR spectroscopy (dpph), details understanding on hyperfine coupling constant, significance of g-tensors, application to detect

free radicals (H , CH_3 , C_6H_5 , NH_2 , CD_3 , PH_4 , F_2^- , $[\text{BH}_3]^-$, etc) and various transition metal complexes having one unpaired electron, charge transfer spectra and its application

3. Organometallic Chemistry-II (13L)

Transition metal π complex-transition metal complex with alkenes, alkynes, allyl, diene, dienyl, arene and trienyl complexes: preparations, properties, nature of bonding and structural features, important reactions relating to nucleophilic and electrophilic attack on the ligands and to organic synthesis; transmetallation and cyclisation reactions, fluxional organometallic compounds.

4. Nuclear detection techniques and spectroscopy (12L)

Mossbauer spectroscopy: Mossbauer effect, nuclear recoil, Doppler effect, instrumentation, chemical shift-examples, quadrupole effect, effect of magnetic field, effect of simultaneous electric and magnetic fields, typical spectra of iron and tin compounds, application of Mossbauer spectroscopy-nature of metal ligand bond, coordination number, structure, oxidation state; NQR.

M. Sc. Semester-III

Theoretical

CH 915: Optional (Organic)

Full Marks: 50 (40 + 10); Credit point: 4

1. Supramolecular Chemistry: Basic concept (12 L)

Definitions of supramolecular chemistry, Host-guest chemistry, Chelate and macrocyclic effects, Preorganisation, Thermodynamic and kinetic selectivity, supramolecular interactions (i.e. cation - , - etc.), *Cation, Anion and Neutral molecule binding*: Crown ethers, podands/ lariat ethers, spherands, cryptands, complexation of organic cations, calixarenes, cation host to anion host, shape selectivity, guanidinium receptors, coordination interactions, *cavitands*: cyclodextrins and molecular tweezers. Molecular switches.

2. Supramolecular Chemistry: Applications (13 L)

Catenanes, rotaxanes and molecular knots: Self assembly and templates, strict self assembly and self assembly with covalent modification, electrostatic and H-bonding effects in templating, catenanes/ catenands/ catenates, rotaxanes/ pseudo-rotaxanes, metal templates for catenanes (Sauvage), stacking in catenane and rotaxane formation (Stoddart), helicates and molecular knots; *Molecular devices*: History and future of nanoscale machines, Relation to host-guest chemistry (definition of supramolecular device), Supramolecular photochemistry, Photo- and electro-chemical sensors, Dendrimers, Molecular device components, Machines based on catenanes/ rotaxanes, Chemically assembled electronic nanocomputing.

3. Advanced Heterocyclic chemistry: Part-A**(12 L)**

Nomenclature of heterocycles - replacement and systematic nomenclature (Hantzsch-Widman system) for monocyclic, fused and bridged heterocycles; aromatic heterocycles — tautomerism in heterocyclic systems, reactivity of aromatic heterocycles; non-aromatic heterocycles — conformation of six-membered heterocycles with reference to molecular geometry, barrier to ring inversion, pyramidal inversion and 1,3-diaxial interaction, anomeric and related effects, hydrogen bonding and intermolecular nucleophilic-electrophilic interactions; meso-ionic systems — general classification, chemistry of some important meso-ionic heterocycles of type A and B and their applications.

4. Advanced Heterocyclic chemistry: Part-B**(13 L)**

Heterocyclic synthesis - principles of heterocyclic synthesis involving cyclization reactions and cycloaddition reactions; synthesis and reactivity of 3-, 4-, 5- 6- & 7-membered heterocycles with one, two or more heteroatoms (aziridines, oxiranes, thiiranes, azetidines, oxetanes, thietanes, diazines, triazines, thiazines, azepines, oxepines); benzo-fused five and six-membered heterocycles — synthesis and reactions including medicinal applications of benzopyrroles, benzofurans, benzothiophenes, quinolizinium and benzopyrylium salts, coumarins and chromones; heterocycles in pharmaceutical industry.

M. Sc. Semester-III**Theoretical****CH 915: optional (Physical)****Full Marks: 50 (40 + 10); Credit point: 4****1. Revisiting Classical Mechanics****(13L)**

Motion of a classical particle: definition of velocity, acceleration and mass. Central problem of mechanics. Newton's prescription for classical mechanics. Laws of motion: law of inertia, law of causality, law of reciprocity. Superposition principle of force. Introduction to the idea of law of force for motion. Application of Newton's prescription to translation, rotation and vibrational motion. Time reversible symmetry. Work-energy theorem and definition of kinetic energy. Conservative and non-conservative force. Definition of potential energy. Conservation of total mechanical energy for conservative system and its implication in the context of first law of thermodynamics. Generalized coordinate systems. Lagrangian equation of motion and definition of generalized momentum. Hamiltonian equation of motion. Definition of phase space.

2. Wave Motion**(12L)**

Wave equation. Sinusoidal waves, boundary condition, reflection and transmission, polarization. Electromagnetic waves in vacuum. Wave equation for

electric and magnetic fields. Monochromatic plane waves. Transport of energy and momentum in electromagnetic waves. Interference of waves. Young's double-slit experiment, determination of wave length.

3. Early age of Quantum Mechanics (13L)

Definition of ideal blackbody and blackbody radiation, Characteristics of the radiation, calculation of number of modes, necessity of new fundamental constant and quantization of energy of electromagnetic oscillator. Temperature dependence of heat capacity of solids. Einstein's theory of heat capacity of solids. Photoelectric effect and Einstein's theory. Compton effect and its theory. Model of atom. Franck-Hertz experiment. deBroglie hypothesis. Double-slit experiment, superposition principle and instruction to formulate Quantum Mechanics.

4. Revisiting the basic principles of Quantum Mechanics (12L)

Understanding Schrodinger's idea of wavefunction and the postulates of quantum mechanics. Interpretation of wavefunction and its consequences. Definition of current in quantum mechanics. Dirac representation of state. Schrodinger and Heisenberg pictures of quantum mechanics. Heisenberg's uncertainty principle. Generic features of quantum mechanics such as tunneling and selection rule. Quantum-classical correspondence.

M. Sc. Semester-III

Theoretical

CH 916: Optional (Inorganic)

Full Marks: 50 (40 + 10); Credit point: 4

1. Bioinorganic Chemistry-II (12L)

Metal-protein interaction-storage, transfer and activity; study of metalloprotein and metalloenzyme-catalase, peroxidase, ceruloplasmin, cytochrome c oxidase, carbonic anhydrase, carboxypeptidase, metallothionein, xanthine oxidase, sulphite oxidase, nitrate reductase, superoxide dismutase, chemistry of respiration; Vitamin B₁₂ and B₁₂ co-enzyme; metal deficiency and diseases, Toxic effects of metals, detoxification of metal ions

2. Inorganic reaction mechanism-II (13L)

Ligand substitution reaction of octahedral complexes-different types, isomerization and racemization; Substitution reactions of square planar

complexes-different theories of trans and cis effects, nucleophilicity scale, kinetics of chelate formation; Substitution reaction of tetrahedral complexes, studies of fast reactions, kinetic and activation parameters-tools to propose plausible mechanism; Stereochemical changes: racemisation in octahedral complexes types of ligand rearrangements, isomerization in 4, 5 and 6 coordinates complexes; reactions of coordinated ligands; template reactions.

3. Molecular magnetism-II (13L)

Magnetic orbital and exchange pathways in polynuclear systems, Quantitative approach to exchange interactions, Bleaney-Bower's equation, orthogonality and Accidental orthogonality phenomenon, deliberate synthetic approaches to ferromagnetically coupled systems, magnetization versus field studies, calculation of ground state and spin manifold, canting/hidden canting and weak ferromagnetism, spin frustration, polynuclear transition metal complexes: magneto-structural correlations, magnetism without metals and magnetic materials.

4. Supramolecular Chemistry-II (12L)

Receptors and receptor-substrate complexes, coreceptor molecules and multiple recognition, supramolecular reactivity and catalysis, supramolecular electronic, ionic and photonic devices, catenanes and rotaxanes, systematic approach towards supramolecular architecture, self assembly and self processes.

M. Sc. Semester-III

Theoretical

CH 916: Optional (Organic)

Full Marks: 50 (40 + 10); Credit point: 4

1. Protection and Deprotection (12 L)

The role of Protective groups in organic synthesis, Principle of protection and deprotection, Different procedure for protection and deprotection of hydroxyl (including 1,2- and 1,3-dihydroxy), phenols, amines, carbonyls and carboxylic groups.

2. Organic Synthesis I (13 L)

The disconnection approach, Basic principles, Guidelines for disconnection with special emphasis on chemoselective, regioselective, stereoselective and stereospecific reactions, Functional group inter conversion, synthon and reagent, synthetic equivalent, illogical electrophile and illogical nucleophile, Umpolung synthesis.

3. Organic Synthesis II (12L)

Designing synthesis of some target molecules with proper retrosynthetic analysis : Eg Menthol, Taxol, Penicillin V, Reserpine, Progesterone, Estrone, Periplanone B, L-Hexoses etc..

4. Special techniques in Organic Synthesis**(13 L)**

The background of organic synthesis, Reactions with solid-supported reagents and catalyst, solid phase synthesis, Phase transfer reactions, Sonochemistry, Microwave in organic synthesis, Ionic liquid in organic synthesis, , Electro organic synthesis, Concept of organocatalyst.

M. Sc. Semester-III**Theoretical****CH 916: Optional (Physical)****Full Marks: 50 (40 + 10); Credit point: 4****1. Approximate Methods and their Applications****(12L)**

Variation theorem, Linear variation method, Applicability of variation method to excited states. Time-independent perturbation theory for nondegenerate states, Perturbation of a two-level system, Many level systems, Degenerate perturbation theory and their applications, Eckert's Theorem. Hydrogen and Helium atoms. Hellman-Feynman and Virial Theorems. Time-dependent perturbation theory, Rabi Oscillation, Many level system; the variation of constants, the effect of slowly switched constant perturbation, The effect of oscillating perturbation, Transition rates to continuum, Radiation-matter interaction. Fermi Golden rule, Einstein transition probabilities, lifetime and energy uncertainty.

2. Spin and Many Electron Wavefunctions**(13L)**

Introduction to spin. Operator algebra for spin. Construction of matrix representation of spin operators, Eigenvalues and eigenfunctions of spin operators. Non-relativistic wavefunction for Hydrogen atom. Many-electron wavefunctions- examples with 2 and 3 electron systems, Slater determinants. Projection Operators. Parity Operator and Pauli Principle, The Pauli exclusion principle. Introduction of core, Coulomb, and exchange integrals with their properties- example of He atom.

3. Theory of Many-electron Systems and their Applications**(13L)**

The Born-Oppenheimer approximation, Hartree self consistent field method, Koopman's theorem, Hartree-Fock method for many-electron systems. Coulomb operators, Exchange operators, Coulomb and Fermi hole, Restricted and unrestricted Hartree-Fock calculations, The Roothan equation. Correlation energy, Basis sets for electronic structure calculations. Spin-orbit interaction, The Condon-Slater rules.

4. Density- Functional and Semiempirical Methods in Quantum Chemistry (12L)

Introduction to density functional, Hohenberg-Kohn variation theorem, Kohn-Sham equations, Exchange-correlation energy, Local density approximation, Generalized gradient approximation. Semiempirical MO treatments of Planar Conjugated Molecules, The Free-electron MO method, The Huckel and Extended Huckel MO method, The Pariser-Parr-Pople method, General semiempirical MO methods.

M. Sc. Semester-III**Theoretical****CH 917: Optional (Inorganic)**

Full Marks: 50 (40 + 10); Credit point: 4

1. Errors and Evaluation (12L)

Precision- standard deviation, relative standard deviation; Accuracy- absolute error, relative error; Types of error in experimental data- systematic (determinants), random (indeterminate) and gross; Source of errors and the effects upon the analytical results; Methods of reporting analytical data, Statistical evaluation of data.

1. Inorganic photochemistry-II (13L)

Ligand field photochemistry- photosubstitution, photooxidation and photoreduction, ground state and excited state, energy content of the excited state, development of redox potentials of the excited states; Redox reactions by excited metal complexes- energy transfer, exciplex formation, conditions of the excited states to be useful redox reactants, excited electron transfer, photochemical reactions of Cr, Fe and Ru complexes, role of spin-orbit coupling in the lifetime of the complexes, Application of redox process for catalytic purposes, transformation of low energy reactants into high energy products, chemical energy into light; Sensitization and metal complex sensitizers; inorganic photochemistry in biological process and their model studies, solar-energy conservation and storage.

3. Electro-analytical methods-II (12L)

Fundamentals, electrode-solution interface layer, electrolytic process, three electrode system; supporting electrolyte, DME; Ilkovic equation, Ilkovic-Heyrosky equation, test of reversibility, current-voltage diagram, DC and AC Polarography, stripping voltametry

4. Physical characterization of inorganic compounds by spectral analysis-II (13L)

Application NMR spectroscopy-fundamentals, the contact and pseudo contact shifts, factors affecting nuclear relaxation, application of H-1, C-13, P-31 and F-19 NMR towards the structural elucidation of metal-organic complexes, an overview of metal nucleides with emphasis on Pt-195 and Sn-119 NMR

M. Sc. Semester-III
Theoretical
CH 917: Optional (Organic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Oxidation reactions in Organic Synthesis (12 L)

Fundamental Concepts of Redox reactions in Organic Chemistry, Oxidation of alcohols: By Chromium and Manganese Reagents, Silver carbonate, oxidation via alkoxysulphonium salts and other methods, *Oxidation of Carbon-Carbon double bonds:* Dihydroxylation, epoxidation, Sharpless Epoxidation, Diastereoselective epoxidation of homoallylic alcohols, Ozonolysis, Photosensitized oxidation of alkenes, Pd-catalyzed oxidation of alkenes, *Oxidation of Carbonyl Compounds:* Baeyer-Villiger oxidation of ketones and related reactions, Conversion to α , β -unsaturated ketones, other methods, Use of Ruthenium tetroxide and Thallium (III) nitrate as oxidizing agents for organic substrate, other oxidizing agents.

2. Reduction reactions in Organic Synthesis (13 L)

Catalytic Hydrogenation: Concept of hydrogenation and hydrogenolysis, Heterogeneous and Homogeneous Catalytic Hydrogenation (the Catalyst used, selectivity of the reduction, reduction of functional groups, stereochemistry and mechanism), Transfer Hydrogenation.

Reduction by Dissolving Metals: Reduction with Metal and acid (reduction of carbonyl compounds), reduction with metal in liq. Ammonia, Reductive fission of alcohols and halides; *Reduction by Hydride Transfer reagents:* Aluminium alkoxides, lithium aluminium hydride and sodium borohydride and their modified reagents (selectivity of the reduction, reduction of functional groups, stereochemistry and mechanism). Reductions with Boranes and dialkylboranes.

Wolff-Kishner reduction, Desulphurisation of thio-acetals, Reduction of organic compounds by di-imide, low-valent Titanium reagents, trialkyltin hydrides, trialkylsilanes and other reagents.

3. Organometallic Chemistry: Part-A (12 L)

Preparation, Properties and Reactions of Organomagnesium, Organolithium and Organozinc reagents in synthesis. The role of Boron, Silicon, Sulphur and Phosphorus in organic synthesis.

4. Organometallic Chemistry: Part-B (13 L)

Principle, preparation, properties and application of some transition metals in organic synthesis with special ref. to Copper, Palladium, Cobalt, Titanium and Nickel.

M. Sc. Semester-III
Theoretical
CH 917: Optional (Physical)
Full Marks: 50 (40 + 10); Credit point: 4

- 1. Connection between Thermodynamics and Statistical Mechanics (12L)**
Definition of Microstates and Macrostates. Boltzmann's definition of entropy. Formula for calculation of thermodynamic properties in terms of number of microstates. Determination of number of microstates for classical ideal gas. Connection among the properties of ideal gas, Gibbs paradox, Sackur-Tetrode equation.
- 2. Ensemble Method and its Application (13L)**
Definition of ensemble. A priori probability. Gibbs postulate in Statistical mechanics. Ergodic hypothesis. Prescription for studying of thermodynamic systems based on ensemble method. Preparation of equilibrium ensemble corresponding to given thermodynamic system (isolated, closed and open). Determination of distribution function. Partition function. Calculation of thermodynamic properties in terms of partition function. Theory of Fluctuations. Calculation of fluctuation in energy, number of particles, density, entropy, volume, temperature etc.
- 3. Boltzmann, Fermi-Dirac and Bose-Einstein Statistics (13L)**
Canonical partition function for non-interacting distinguishable and non-identical particles. Boltzmann Statistics. Grand canonical partition function for non-interacting identical particles. Fermi-Dirac and Bose-Einstein statistics and their limiting behavior. Ideal monoatomic gas. The translational partition function. The electric and nuclear partition function. Thermodynamic function. Ideal diatomic gases. The rigid rotor-Harmonic oscillator approximation. The vibrational partition function. The rotational partition function of a heteronuclear molecule. The symmetry requirement of the total wave function of a homonuclear diatomic molecule. The rotational partition function of a homonuclear diatomic molecule. Thermodynamic function.
- 4. Classical and Quantum Statistics (12L)**
The classical partition function. Phase space and the Liouville equation. Equipartition of energy. Ideal polyatomic gas. The vibrational and the rotational partition functions. Thermodynamic function. Hindered rotation. A weakly degenerate ideal Fermi-Dirac Gas. A strongly degenerate ideal Fermi-Dirac gas. A weakly degenerate ideal Bose-Einstein gas. A strongly degenerate ideal Bose-

Einstein gas. An ideal gas of photons. The density matrix. The classical limit from the Quantum mechanical expression for Q.

M. Sc. Semester-III
Practical
CH 918: Optional (Inorganic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Separation by chromatographic techniques.
2. Colorimetric estimation of some metal ions.
3. Measurement of some water quality parameters.
4. Green synthesis of some inorganic compounds.

M. Sc. Semester-III
Practical
CH 918: Optional (Organic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Preparation of organic compounds by conventional and green chemical methods followed by purification and characterization by spectroscopic technique.
2. Quantitative Estimation of:
(a) Sugars (Glucose, Cane sugar) (b) Phenol (c) Aniline (d) Nitrogen by Kjeldahl method
(e) Saponification and Iodine value.

M. Sc. Semester-III
Practical
CH 918: Optional (Physical)
Full Marks: 50 (40 + 10); Credit point: 4

1. To determine the effect of change of (i) temperature and (ii) concentration on the rate constant of hydrolysis of an ester.
2. To study the conductance behavior of strong and weak electrolytes.
3. To determine the cmc of SDS in Water and Water-Ethanol (1:1) mixture using conductometry.
4. To determine the hydrolysis constant of aniline hydrochloride by conductometry.
5. To study the titration of H_3PO_4 by NaOH using potentiometry.
6. To determine the concentration of different halides in a mixture by potentiometry.
7. To study the iodination of aniline at different pH.
8. To determine the rate constant of oxidation of iodide ions by hydrogen peroxide studying the kinetics as a clock reaction.

9. To determine the order and rate constant of the reaction between HBrO_3 and HI .

M. Sc. Semester-IV
Theoretical
CH 1019: Elective-3(Physical)
Full Marks: 50 (40 + 10); Credit point: 4

Solid State Chemistry

(16L)

Crystalline and amorphous structures. Lattice vector and reciprocal lattice vector. Defects in the solid state. Band theory of solids. Band theory – Quantum mechanical aspect. Brillouin zone. Free electron gas theory of metal. Fermi energy. Electrical and thermal conductivity of metals. Semiconductor Hall effect and Hall co-efficient.

Electric and Magnetic properties of Matter

(8L)

Molecular response parameters – Polarizability. Dispersion forces. Bulk electrical properties – Permittivity and Susceptibility. Refractive index. Dielectric relaxation. Optical activity and Circular birefringence. Conduction in dielectrics. Magnetic susceptibility. Paramagnetism and Diamagnetism. Vector potential and current density. Shielding constants. The g-value. Spin-spin coupling and Hyperfine Interactions.

Physical Chemistry of Polymers

(18L)

Polymerization reaction, kinetics of free radical and condensation polymer. Graft polymerization. Morphology and crystallinity of polymer by TGA and SEM analysis. Molecular weight determination of polymer by light scattering method and GPC method.

Criteria for polymer solubility. Thermodynamics of polymer solutions. Good and bad solvents. Theta temperature. Flory-Huggins model, dilute polymer solution. Excluded volume.

4. Photoexcited Processes

(8L)

Excitation of molecules – Singlet and Triplet states. Radiative and Non-radiative relaxations. Franck-Condon principle. Absorption, emission and excitation spectra - mirror symmetry. Quenching of Fluorescence. Excited state processes – proton transfer, electron transfer and energy transfer. Marcus Theory. Solvent effect in spectroscopy. Solvation dynamics. Non-linear optical processes.

Stimulated emission of radiation. Principles of Laser action. Applications of Lasers.

M. Sc. Semester-IV
Theoretical
CH 1020: Optional (Inorganic)
Full Marks: 50 (40 + 10); Credit point: 4

1. **Environmental chemistry** (12L)
Biochemical effects of As, Pb, Cd, Hg, Cr, and their chemical speciation, monitoring and remedial measures; eutrophication, wastewater treatment, control of air pollution: different methods, role of plants, various source of soil pollution; noise pollution, Agricultural and industrial pollution, Green solution to various environmental hazards.
2. **Lanthanides, actinides and super-heavy elements** (13L)
Coordination chemistry, magnetic and spectral properties, comparison of general properties of lanthanides and actinides, comparison with d-block elements, Organo lanthanides and actinides, separation of lanthanides and actinides, analytical application of lanthanides and actinides-lanthanides as shift reagents and high temperature super conductors, manmade elements-theoretical background, production, separation and predicted properties.
3. **Nanomaterials** (12L)
Nanoparticles: zero dimensional nanostructure, homogeneous and heterogeneous nucleation, metallic nanoparticles- synthesis and applications; Nanowires and nanorods: one dimensional nanostructures, spontaneous growth, VLS, electro spinning, lithography; Thin film: two-dimensional nanostructure-preparation techniques; Langmuir-Blodgett (LB) film- growth techniques, photolithography properties and applications.
4. **Physical characterization of inorganic compounds by spectral analysis-III** (13L)
Basic concept of Raman Spectroscopy, application of vibration spectroscopy-symmetry and shapes of AB_2 , AB_3 , AB_4 , AB_5 and AB_6 , mode of bonding of ambident ligands, ethylenediamine and diketo complexes, Resonance Raman spectroscopy, surface enhanced Raman spectroscopy (SERS).

M. Sc. Semester-IV
Theoretical
CH 1020: Optional (Organic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Organic
(13L)

Photochemistry

Basic Principles, Jablonski diagram, Excited state (S1 and T1) of some organic molecules, *Cis-trans* mechanism, Photo chemical reactions of carbonyl compounds, olefins and conjugated carbonyl compounds, Photo induced functionalisation of organic molecules involving Norrish type I, Norrish type II, Paterno Buchi Reaction, di- π -methane rearrangement, Bartron reaction, Photo reduction of ketones, Substitution in aromatic system.

2. Radical Reaction in Organic Chemistry
(12L)

Definition, Generation of free radicals, detection, shapes and stability, stable free radicals. Example of addition, substitution, oxidation, cyclization and rearrangement involving radical reaction mechanism.

3. Pericyclic reaction Part A
(13L)

Introduction, phase and symmetry of orbitals, types of pericyclic reactions; *Cycloaddition reactions*: Definition, FMO-approach, Co-relation diagram, Dewar's PMO-approach for cycloaddition (2+2 and 4+2) reactions, Woodward-Hoffmann selection rules, Regioselectivity, secondary orbital interaction, Lewis acid catalysis, Site selectivity, Periselectivity. Regioselectivity in 1,3-Dipolar cycloadditions, *Electrocyclic reactions*: Definition, FMO-approach, Dewar's PMO-approach for electrocyclic reactions, electroreversion, stereochemical effects, Woodward-Hoffmann rules,

4. Pericyclic reaction Part B
(12L)

Chelotropic reactions: Definition, FMO-approach for chelotropic reactions, Woodward-Hoffmann rules, Stereochemical outcome, *Sigmatropic rearrangement*: Definition, types of sigmatropic reactions, Hydrogen shifts and carbon shifts ([1, j] and [i, j]), FMO-approach, Dewar's aromatic transition state approach, selection rules, Claisen and Cope rearrangements, *Ene reaction*: Definition, FMO-approach for ene reactions, Effects of Lewis acids.

M. Sc. Semester-IV
Theoretical
CH 1020: Optional (Physical)
Full Marks: 50 (40 + 10); Credit point: 4

1. Modeling of artificial photo synthesis **(13L)**

Photo Natural solar energy conversion process (reaction of photo synthesis), photolysis of water, modeling and mimicking of photo synthesis process

2. Details of artificial photo synthesis (12L)

Photo physical and photo chemical process of semiconductor based material and dye sensitized photo galvanic cells in solar energy conversion. Theoretical aspects of this conversion process

3. Molecular Reaction dynamics (MRD)-I (13L)

Motivation, important vocabularies of MRD, Energy partitioning, A simple model of energy partitioning, Molecular collisions and free path phenomena, collision cross-section and the inter molecular potential

4. Molecular Reaction dynamics (MRD)-II (12L)

Dynamics of elastic molecular collisions, the reaction cross-section, the reaction probability, elastic scattering as a probe of the interaction potential, inter molecular potential from experiment and theory, angular distribution in direct reactive collisions.

M. Sc. Semester-IV**Theoretical****CH 1021: optional (Inorganic)**

Full Marks: 50 (40 + 10); Credit point: 4

1. Polymer Chemistry-II**(12L)**

Inorganic polymers- coordination polymers, polyphosphazenes, silicones, inorganic rubber, sulfur-nitrogen polymers, polyatomic ions of Sn, Pb, S, Se and Te, homopoly and heteropoly acids and salts; Organo-metallic Polymers-different types; Polymerization: Metal ion initiated polymerization and coordination polymerization, olefin metathesis and metathesis polymerization, ring opening polymerization (ROP), Ziegler-Natta catalysts and green catalysts; Polymer metal complexes and their role in analytical chemistry

2. Redox reactions and its mechanism**(13L)**

Classification, kinetics and mechanism, outer-sphere electron transfer reactions-controlling factors, self-exchange rate, electron tunneling hypothesis, hetero-nuclear redox reaction and simplified Marcus theory; Marcus cross relationship and its application, solvated electron; Inner-sphere electron transfer reaction-characteristics and controlling factors, ligand transfer, role of bridging ligand, chemical mechanism of electron transfer, complementary and non-complimentary redox reactions.

3. **Physical characterization of inorganic compounds by spectral analysis-IV (13L)**

Electron paramagnetic resonance- Zero field splitting factor and its importance in naphthyl radical and various metal centers having more than one odd/even number unpaired electrons, spin polarization for atoms and transition metal ions, spin orbit coupling, EPR activity and application to metal-ligand complex with paramagnetic metal ions and paramagnetic ligands, Isotropic and anisotropic EPR spectra of metal complexes, Electronic spectra for chemical analysis (ESCA)- basic principle and applications

4. **Advanced Inorganic materials (12L)**

Synthesis and characterization, Magnetoresistance, Colossal magnetoresistive materials (CMR), Double exchange, Superexchange, Goodenough-Kanamori-Anderson rules (GKA), Phase separation: homogeneous, inhomogeneous, structural and electronic, Charge ordering (CO), orbital ordering (OO), effect of ionic radius on the physical properties of these functional materials, Chemical pressure, Size disorder, Thermoelectric oxides.

M. Sc. Semester-IV

Theoretical

CH 1021: Optional (Organic)

Full Marks: 50 (40 + 10); Credit point: 4

1. **Concept on M.O. and V.B. theory (12 L)**

Introduction to Huckel molecular orbital (MO) method as a mean to explain modern theoretical methods. Advanced techniques in PMO and FMO theory. Molecular mechanics, semi empirical methods and Ab Initio methods. Pictorial Representation of MOs for molecules, Qualitative Application of MO Theory to reactivity, Valence bond configuration mixing diagrams. Relationship between V B configuration mixing and resonance theory. Reaction profiles. Potential energy diagrams.

2. **Structural effects on reactivity (13 L)**

Linear free energy relationships (LFER). The Hammett equation, substituent constants, theories of substituent effects. Interpretation of σ -values. Reaction constant. Deviations from Hammett equation. Dual - parameter correlations, inductive substituent constant. The Taft equation.

3. **Natural Products: Structure and Stereochemistry (12 L)**

Natural Products: Structure and stereochemistry of Alkaloids (Atropine/ Quinine); Terpenoids (Abietic acid/ β -Carotene); Steroids (Cholesterol)

4. Natural Products: Bio-synthesis**(13 L)***Natural Products: Biosynthesis* of Atropine, Quinine, Abietic acid, β -Carotene, Cholesterol.**M. Sc. Semester-IV****Theoretical****CH 1021: Optional (Physical)****Full Marks: 50 (40 + 10); Credit point: 4****1. Electrode kinetics****(12L)**

Butler-Volmer equation and its application. Tafel equation from Volmer equation. Equilibrium exchange current density and its determination. Current potential reaction for reversible electrode. Doss rectification. Electrokinetics of Corrosion reaction. Pourbaix diagrams. Corrosion current and corrosion potential. Evans diagrams.

2. Theory of semiconductor – electrolyte interface**(12L)**

The structure of the semiconductor–electrolyte interface. Analogies between semiconductors and electrolytic solutions. The Garrett-Brattain space charge. Differential capacity. Mott-Schottky equation. Flat band potential. Application of semiconductor electrode in photoelectric device.

3. Non-equilibrium Statistical Mechanics**(13L)**

Brownian motion: Einstein's theory. Irregular movement of particles suspended in a liquid and its relation to diffusion. Diffusion and mobility. Determination of Avogadro number. Experimental confirmation. Theoretical observation on Brownian motion and the existence of a random force. Langevin description of Brownian motion: general expression for mean square displacement (i) short time limit and (ii) long time limit. Relation between random and viscous force: the fluctuation-dissipation theorem. Brownian motion in velocity space: Fokker Planck equation. Calculation of $M_1(v)$, calculation of $M_2(v)$. Brownian motion in phase space (motion in a force field): Kramers' equation. Kramers' equation as a generalization of Liouville equation and connection to equilibrium statistical mechanics, Kramers theory of activated process (i) calculation of j and (ii) calculation of n_a . A simple connection to transition state theory. Overdamped motion: Smoluchowski equation and diffusion over a barrier. The master equation: applications in (i) unidirectional random walk, and (ii) quantized harmonic oscillator interacting with a radiation field.

4. Irreversible Thermodynamics**(13L)**

Thermodynamic criteria for Non-equilibrium states. Entropy production and Entropy balance equations. Generalized flux and forces. Stationary states. Phenomenological equations. Microscopic reversibility and Onsager equation. Applications in physico-chemical and biological phenomena. Coupled reactions.

M. Sc. Semester-IV**Theoretical****CH 1022: Optional (Inorganic)****Full Marks: 50 (40 + 10); Credit point: 4****2. Radio tracers and hot atom chemistry****(10L)**

Szillard-Chalmer reaction and retention of activity, primary and secondary retention, synthesis of labeled compounds, isotopes dilution, DIDA, IIDA and substoichiometric methods of analysis, application and numerical problems, Nuclear activation analysis, secondary particle activation analysis, charged particle activation analysis, problems and application

3. Radiation chemistry**(14L)**

Ionizing radiation and its physical and chemical effect in target, water radiolysis, Definition of different units in radiation chemistry, calculation of radiation dose, biological effects, lethal dose, permissible level of radiation dose, primary radiological products of water and their characterization, dosimetric concepts and quantities, different types of chemical dosimeter, thermo-luminescence and lyo-luminescence, different unusual reactions by lyo-luminescence

4. Atomic spectroscopy**(10L)**

Basis principle, instrumentation and applications of Atomic Absorption Spectroscopy (AAS), Atomic Emission Spectroscopy (AES), Flame Emission Spectroscopy (FES), Inductively Coupled Plasma Mass Spectroscopy (ICPMS) and Fluorometry

4. Separation techniques**(16L)**

Solvent extraction: principle, distribution ratio and partition coefficient, successive extraction and separation; different methods of extraction systems; Craig extraction and counter current distribution; problems; Chromatography: general principle; classification, mathematical relations of capacity, selectivity factor, distribution constant and retention time; chromatogram, evaluation in

column chromatography: band broadening and column efficiency; Van Deemeter equation; column resolution, numerical problems, GC, LC, TLC, PC, SEC

M. Sc. Semester-IV
Theoretical
CH 1022: Optional (Organic)
Full Marks: 50 (40 + 10); Credit point: 4

1. Drug design and Antineoplastic agent (12 L)

Drug Design: Concept of Pharmacodynamics, Drug targets: Enzymes, Receptors, nucleic acids. Concept on Pharmacokinetics: Drug Absorption, Distribution, Metabolism and Excretion. Concept on lead compound and lead modification, Pharmacophore. Concept of prodrug and soft drug. Structure activity relationship (SAR), factors affecting bioactivity; *Antineoplastic agents:* Synthesis and mode of action of mechlorethamine, cyclophosphamide, melphalan, and 6-mercaptopurine.

2. Cardiovascular, Antiinfective and Antibiotics (13 L)

Cardiovascular drugs: Introduction to cardiovascular diseases, Synthesis and mode of action of amyl nitrate, sorbitrate, diltiazem, quinidine, verapamil, methyl dopa; *Local antiinfective drugs and antibiotics:* Synthesis and mode of action of sulphonamides, nalidixic acid, norfloxacin, aminosalicylic acid, ethinamide, fluconazole, chloroquin and premarin; *Antibiotics:* Cell wall biosynthesis, inhibitors, β -lactam rings, Synthesis of penicillin.

3. Asymmetric Synthesis: Part-A (12 L)

Introduction, kinetic and thermodynamic principles to asymmetric synthesis, diastereoselective & enantioselective synthesis; *Methods of asymmetric synthesis:* Resolution, use of chiral pool, chiral auxiliaries, use of stoichiometric chiral reagents, asymmetric catalysis.

4. Asymmetric Synthesis: Part-B (13 L)

Asymmetric hydrogenation with special reference to Ru-BINAP catalysts, asymmetric reduction of prochiral ketones with Baker's Yeast & CBS-catalyst, asymmetric epoxidation with special reference to Sharpless and Jacobsen epoxidation, asymmetric diethylzinc addition to carbonyl compounds, asymmetric aldol reactions, asymmetric Michael reaction; Few important industrial applications of asymmetric synthesis

M. Sc. Semester-IV
Theoretical
CH 1022: Optional (Physical)
Full Marks: 50 (40 + 10); Credit point: 4

1. Excitation of Molecules and Motion in Excited State (10L)

Theory of Electromagnetic Radiation. Interaction between Matter and Electromagnetic Radiation – Semiclassical treatment using Time-dependent

perturbation Theory. Fermi golden rule, Transition probabilities and rates, Spectral shapes. Decoupling of the nuclear and electronic motions in a molecule: Born-Oppenheimer approximation.

2. Rotational, Vibrational and Raman Spectroscopy (15L)

Rigid & Non-rigid Rotors. Vibrational spectroscopy – Harmonic and Anharmonic Oscillators. Normal coordinates. Effects of Anharmonicity. Vibration-rotation transitions. Raman and Rayleigh scattering – Classical and Quantum Mechanical treatments. Polarization of scattered light. Rotational and Vibrational Raman spectroscopy. Resonance Raman effect. Selection rules of rotational, vibrational and Raman spectroscopy. Instrumentation of microwave, IR and Raman spectroscopy.

3. Electronic Spectroscopy (15L)

Atomic structure: vector model, spin-orbit coupling, atomic states and term symbols. Many-electron atoms – Hund's rules. Selection rules for atomic electronic transitions. Diatomic molecules – Hund's coupling cases. Rotational and vibrational structures of diatomic electronic transitions. Franck-Condon principle. Dissociation, Photodissociation and Predissociation. Polyatomic molecules – orbitals and electronic states. Chromophores. Vibronic transitions. Spin-orbit coupling and singlet – triplet transitions. Selection rules for molecular electronic transitions. Photoelectron spectroscopy. Rotational structure of some polyatomic electronic transitions. Instrumentation of UV-visible absorption and emission spectroscopy.

4. Spin Spectroscopy – NMR and ESR (10L)

Nuclear magnetic moment and response in an external magnetic field. Classical and Quantum Mechanical perspectives of nuclear magnetic resonance (NMR). Bloch equations. Spin-spin and spin-lattice relaxation and spectral shapes. Free induction decay and FT-NMR technique. Chemical shift and nuclear shielding. Spin magnetic moment of electrons and electron spin resonance signal (ESR). The g-factor and hyperfine splitting – interaction between nuclear spin and electron spin. Applications and instrumentation of NMR and ESR. Multi-dimensional NMR spectroscopy. Nuclear quadrupole resonance.

M. Sc. Semester-IV
Project
CH 1023: Optional (Project)
Full Marks: 100 (80 + 20); Credit point: 8

Topic selection in consultation with the teacher, literature search from different reference books and using internet search, typed written-up with proper tables, structures, figures and literature to be submitted, seminar lecture on this topic to be delivered in presence of external expert and sectional teachers

Remedial Coaching

| Remedial Coaching | | | | Remedial Coaching | | | |
|-------------------|------|----------|-------|-------------------|------|----------|-------|
| Sl. No. | Name | Roll No. | Grade | Sl. No. | Name | Roll No. | Grade |
| 1 | ... | ... | ... | 1 | ... | ... | ... |
| 2 | ... | ... | ... | 2 | ... | ... | ... |
| 3 | ... | ... | ... | 3 | ... | ... | ... |
| 4 | ... | ... | ... | 4 | ... | ... | ... |
| 5 | ... | ... | ... | 5 | ... | ... | ... |
| 6 | ... | ... | ... | 6 | ... | ... | ... |
| 7 | ... | ... | ... | 7 | ... | ... | ... |
| 8 | ... | ... | ... | 8 | ... | ... | ... |
| 9 | ... | ... | ... | 9 | ... | ... | ... |
| 10 | ... | ... | ... | 10 | ... | ... | ... |
| 11 | ... | ... | ... | 11 | ... | ... | ... |
| 12 | ... | ... | ... | 12 | ... | ... | ... |
| 13 | ... | ... | ... | 13 | ... | ... | ... |
| 14 | ... | ... | ... | 14 | ... | ... | ... |
| 15 | ... | ... | ... | 15 | ... | ... | ... |
| 16 | ... | ... | ... | 16 | ... | ... | ... |
| 17 | ... | ... | ... | 17 | ... | ... | ... |
| 18 | ... | ... | ... | 18 | ... | ... | ... |
| 19 | ... | ... | ... | 19 | ... | ... | ... |
| 20 | ... | ... | ... | 20 | ... | ... | ... |
| 21 | ... | ... | ... | 21 | ... | ... | ... |
| 22 | ... | ... | ... | 22 | ... | ... | ... |
| 23 | ... | ... | ... | 23 | ... | ... | ... |
| 24 | ... | ... | ... | 24 | ... | ... | ... |
| 25 | ... | ... | ... | 25 | ... | ... | ... |
| 26 | ... | ... | ... | 26 | ... | ... | ... |
| 27 | ... | ... | ... | 27 | ... | ... | ... |
| 28 | ... | ... | ... | 28 | ... | ... | ... |
| 29 | ... | ... | ... | 29 | ... | ... | ... |
| 30 | ... | ... | ... | 30 | ... | ... | ... |
| 31 | ... | ... | ... | 31 | ... | ... | ... |
| 32 | ... | ... | ... | 32 | ... | ... | ... |
| 33 | ... | ... | ... | 33 | ... | ... | ... |
| 34 | ... | ... | ... | 34 | ... | ... | ... |
| 35 | ... | ... | ... | 35 | ... | ... | ... |
| 36 | ... | ... | ... | 36 | ... | ... | ... |
| 37 | ... | ... | ... | 37 | ... | ... | ... |
| 38 | ... | ... | ... | 38 | ... | ... | ... |
| 39 | ... | ... | ... | 39 | ... | ... | ... |
| 40 | ... | ... | ... | 40 | ... | ... | ... |
| 41 | ... | ... | ... | 41 | ... | ... | ... |
| 42 | ... | ... | ... | 42 | ... | ... | ... |
| 43 | ... | ... | ... | 43 | ... | ... | ... |
| 44 | ... | ... | ... | 44 | ... | ... | ... |
| 45 | ... | ... | ... | 45 | ... | ... | ... |
| 46 | ... | ... | ... | 46 | ... | ... | ... |
| 47 | ... | ... | ... | 47 | ... | ... | ... |
| 48 | ... | ... | ... | 48 | ... | ... | ... |
| 49 | ... | ... | ... | 49 | ... | ... | ... |
| 50 | ... | ... | ... | 50 | ... | ... | ... |
| 51 | ... | ... | ... | 51 | ... | ... | ... |
| 52 | ... | ... | ... | 52 | ... | ... | ... |
| 53 | ... | ... | ... | 53 | ... | ... | ... |
| 54 | ... | ... | ... | 54 | ... | ... | ... |
| 55 | ... | ... | ... | 55 | ... | ... | ... |
| 56 | ... | ... | ... | 56 | ... | ... | ... |
| 57 | ... | ... | ... | 57 | ... | ... | ... |
| 58 | ... | ... | ... | 58 | ... | ... | ... |
| 59 | ... | ... | ... | 59 | ... | ... | ... |
| 60 | ... | ... | ... | 60 | ... | ... | ... |
| 61 | ... | ... | ... | 61 | ... | ... | ... |
| 62 | ... | ... | ... | 62 | ... | ... | ... |
| 63 | ... | ... | ... | 63 | ... | ... | ... |
| 64 | ... | ... | ... | 64 | ... | ... | ... |
| 65 | ... | ... | ... | 65 | ... | ... | ... |
| 66 | ... | ... | ... | 66 | ... | ... | ... |
| 67 | ... | ... | ... | 67 | ... | ... | ... |
| 68 | ... | ... | ... | 68 | ... | ... | ... |
| 69 | ... | ... | ... | 69 | ... | ... | ... |
| 70 | ... | ... | ... | 70 | ... | ... | ... |
| 71 | ... | ... | ... | 71 | ... | ... | ... |
| 72 | ... | ... | ... | 72 | ... | ... | ... |
| 73 | ... | ... | ... | 73 | ... | ... | ... |
| 74 | ... | ... | ... | 74 | ... | ... | ... |
| 75 | ... | ... | ... | 75 | ... | ... | ... |
| 76 | ... | ... | ... | 76 | ... | ... | ... |
| 77 | ... | ... | ... | 77 | ... | ... | ... |
| 78 | ... | ... | ... | 78 | ... | ... | ... |
| 79 | ... | ... | ... | 79 | ... | ... | ... |
| 80 | ... | ... | ... | 80 | ... | ... | ... |
| 81 | ... | ... | ... | 81 | ... | ... | ... |
| 82 | ... | ... | ... | 82 | ... | ... | ... |
| 83 | ... | ... | ... | 83 | ... | ... | ... |
| 84 | ... | ... | ... | 84 | ... | ... | ... |
| 85 | ... | ... | ... | 85 | ... | ... | ... |
| 86 | ... | ... | ... | 86 | ... | ... | ... |
| 87 | ... | ... | ... | 87 | ... | ... | ... |
| 88 | ... | ... | ... | 88 | ... | ... | ... |
| 89 | ... | ... | ... | 89 | ... | ... | ... |
| 90 | ... | ... | ... | 90 | ... | ... | ... |
| 91 | ... | ... | ... | 91 | ... | ... | ... |
| 92 | ... | ... | ... | 92 | ... | ... | ... |
| 93 | ... | ... | ... | 93 | ... | ... | ... |
| 94 | ... | ... | ... | 94 | ... | ... | ... |
| 95 | ... | ... | ... | 95 | ... | ... | ... |
| 96 | ... | ... | ... | 96 | ... | ... | ... |
| 97 | ... | ... | ... | 97 | ... | ... | ... |
| 98 | ... | ... | ... | 98 | ... | ... | ... |
| 99 | ... | ... | ... | 99 | ... | ... | ... |
| 100 | ... | ... | ... | 100 | ... | ... | ... |

| Sl. No. | Name of the Enclosure | Area (sq. ft.) | Value (Rs.) | Remarks |
|---------|-----------------------|----------------|-------------|---------|
| 1 | ... | ... | ... | ... |
| 2 | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... |
| 6 | ... | ... | ... | ... |
| 7 | ... | ... | ... | ... |
| 8 | ... | ... | ... | ... |
| 9 | ... | ... | ... | ... |
| 10 | ... | ... | ... | ... |
| 11 | ... | ... | ... | ... |
| 12 | ... | ... | ... | ... |
| 13 | ... | ... | ... | ... |
| 14 | ... | ... | ... | ... |
| 15 | ... | ... | ... | ... |
| 16 | ... | ... | ... | ... |
| 17 | ... | ... | ... | ... |
| 18 | ... | ... | ... | ... |
| 19 | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... |
| 21 | ... | ... | ... | ... |
| 22 | ... | ... | ... | ... |
| 23 | ... | ... | ... | ... |
| 24 | ... | ... | ... | ... |
| 25 | ... | ... | ... | ... |
| 26 | ... | ... | ... | ... |
| 27 | ... | ... | ... | ... |
| 28 | ... | ... | ... | ... |
| 29 | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... |
| 31 | ... | ... | ... | ... |
| 32 | ... | ... | ... | ... |
| 33 | ... | ... | ... | ... |
| 34 | ... | ... | ... | ... |
| 35 | ... | ... | ... | ... |
| 36 | ... | ... | ... | ... |
| 37 | ... | ... | ... | ... |
| 38 | ... | ... | ... | ... |
| 39 | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... |
| 41 | ... | ... | ... | ... |
| 42 | ... | ... | ... | ... |
| 43 | ... | ... | ... | ... |
| 44 | ... | ... | ... | ... |
| 45 | ... | ... | ... | ... |
| 46 | ... | ... | ... | ... |
| 47 | ... | ... | ... | ... |
| 48 | ... | ... | ... | ... |
| 49 | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... |
| 51 | ... | ... | ... | ... |
| 52 | ... | ... | ... | ... |
| 53 | ... | ... | ... | ... |
| 54 | ... | ... | ... | ... |
| 55 | ... | ... | ... | ... |
| 56 | ... | ... | ... | ... |
| 57 | ... | ... | ... | ... |
| 58 | ... | ... | ... | ... |
| 59 | ... | ... | ... | ... |
| 60 | ... | ... | ... | ... |
| 61 | ... | ... | ... | ... |
| 62 | ... | ... | ... | ... |
| 63 | ... | ... | ... | ... |
| 64 | ... | ... | ... | ... |
| 65 | ... | ... | ... | ... |
| 66 | ... | ... | ... | ... |
| 67 | ... | ... | ... | ... |
| 68 | ... | ... | ... | ... |
| 69 | ... | ... | ... | ... |
| 70 | ... | ... | ... | ... |
| 71 | ... | ... | ... | ... |
| 72 | ... | ... | ... | ... |
| 73 | ... | ... | ... | ... |
| 74 | ... | ... | ... | ... |
| 75 | ... | ... | ... | ... |
| 76 | ... | ... | ... | ... |
| 77 | ... | ... | ... | ... |
| 78 | ... | ... | ... | ... |
| 79 | ... | ... | ... | ... |
| 80 | ... | ... | ... | ... |
| 81 | ... | ... | ... | ... |
| 82 | ... | ... | ... | ... |
| 83 | ... | ... | ... | ... |
| 84 | ... | ... | ... | ... |
| 85 | ... | ... | ... | ... |
| 86 | ... | ... | ... | ... |
| 87 | ... | ... | ... | ... |
| 88 | ... | ... | ... | ... |
| 89 | ... | ... | ... | ... |
| 90 | ... | ... | ... | ... |
| 91 | ... | ... | ... | ... |
| 92 | ... | ... | ... | ... |
| 93 | ... | ... | ... | ... |
| 94 | ... | ... | ... | ... |
| 95 | ... | ... | ... | ... |
| 96 | ... | ... | ... | ... |
| 97 | ... | ... | ... | ... |
| 98 | ... | ... | ... | ... |
| 99 | ... | ... | ... | ... |
| 100 | ... | ... | ... | ... |

| Sl. No. | Name of the Enclosure | Area (sq. ft.) | Value (Rs.) | Remarks |
|---------|-----------------------|----------------|-------------|---------|
| 1 | ... | ... | ... | ... |
| 2 | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... |
| 6 | ... | ... | ... | ... |
| 7 | ... | ... | ... | ... |
| 8 | ... | ... | ... | ... |
| 9 | ... | ... | ... | ... |
| 10 | ... | ... | ... | ... |
| 11 | ... | ... | ... | ... |
| 12 | ... | ... | ... | ... |
| 13 | ... | ... | ... | ... |
| 14 | ... | ... | ... | ... |
| 15 | ... | ... | ... | ... |
| 16 | ... | ... | ... | ... |
| 17 | ... | ... | ... | ... |
| 18 | ... | ... | ... | ... |
| 19 | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... |
| 21 | ... | ... | ... | ... |
| 22 | ... | ... | ... | ... |
| 23 | ... | ... | ... | ... |
| 24 | ... | ... | ... | ... |
| 25 | ... | ... | ... | ... |
| 26 | ... | ... | ... | ... |
| 27 | ... | ... | ... | ... |
| 28 | ... | ... | ... | ... |
| 29 | ... | ... | ... | ... |
| 30 | ... | ... | ... | ... |
| 31 | ... | ... | ... | ... |
| 32 | ... | ... | ... | ... |
| 33 | ... | ... | ... | ... |
| 34 | ... | ... | ... | ... |
| 35 | ... | ... | ... | ... |
| 36 | ... | ... | ... | ... |
| 37 | ... | ... | ... | ... |
| 38 | ... | ... | ... | ... |
| 39 | ... | ... | ... | ... |
| 40 | ... | ... | ... | ... |
| 41 | ... | ... | ... | ... |
| 42 | ... | ... | ... | ... |
| 43 | ... | ... | ... | ... |
| 44 | ... | ... | ... | ... |
| 45 | ... | ... | ... | ... |
| 46 | ... | ... | ... | ... |
| 47 | ... | ... | ... | ... |
| 48 | ... | ... | ... | ... |
| 49 | ... | ... | ... | ... |
| 50 | ... | ... | ... | ... |
| 51 | ... | ... | ... | ... |
| 52 | ... | ... | ... | ... |
| 53 | ... | ... | ... | ... |
| 54 | ... | ... | ... | ... |
| 55 | ... | ... | ... | ... |
| 56 | ... | ... | ... | ... |
| 57 | ... | ... | ... | ... |
| 58 | ... | ... | ... | ... |
| 59 | ... | ... | ... | ... |
| 60 | ... | ... | ... | ... |
| 61 | ... | ... | ... | ... |
| 62 | ... | ... | ... | ... |
| 63 | ... | ... | ... | ... |
| 64 | ... | ... | ... | ... |
| 65 | ... | ... | ... | ... |
| 66 | ... | ... | ... | ... |
| 67 | ... | ... | ... | ... |
| 68 | ... | ... | ... | ... |
| 69 | ... | ... | ... | ... |
| 70 | ... | ... | ... | ... |
| 71 | ... | ... | ... | ... |
| 72 | ... | ... | ... | ... |
| 73 | ... | ... | ... | ... |
| 74 | ... | ... | ... | ... |
| 75 | ... | ... | ... | ... |
| 76 | ... | ... | ... | ... |
| 77 | ... | ... | ... | ... |
| 78 | ... | ... | ... | ... |
| 79 | ... | ... | ... | ... |
| 80 | ... | ... | ... | ... |
| 81 | ... | ... | ... | ... |
| 82 | ... | ... | ... | ... |
| 83 | ... | ... | ... | ... |
| 84 | ... | ... | ... | ... |
| 85 | ... | ... | ... | ... |
| 86 | ... | ... | ... | ... |
| 87 | ... | ... | ... | ... |
| 88 | ... | ... | ... | ... |
| 89 | ... | ... | ... | ... |
| 90 | ... | ... | ... | ... |
| 91 | ... | ... | ... | ... |
| 92 | ... | ... | ... | ... |
| 93 | ... | ... | ... | ... |
| 94 | ... | ... | ... | ... |
| 95 | ... | ... | ... | ... |
| 96 | ... | ... | ... | ... |
| 97 | ... | ... | ... | ... |
| 98 | ... | ... | ... | ... |
| 99 | ... | ... | ... | ... |
| 100 | ... | ... | ... | ... |

**VISVA BHARATI
UNIVERSITY
NEW P.H.D. ORDINANCE**

ARTICLES

1. Purpose.
2. Language of Instruction and writing Thesis.
3. Eligibility for registration in the Ph.D. Programme.
4. Procedure for registration in the Ph.D. Programme.
5. Supervisors.
6. Course Work and submission of Progress Reports.
7. Procedure for Evaluation/Re-evaluation of Course Work.
8. Preparation, Submission and Evaluation of Thesis followed by Viva-Voce Examination and awarding of the Degree of Ph.D.
9. Depository with UGC.
10. Categories of Students and requirements regarding attendance.
11. Plagiarism.
12. Powers and functions of the Research Board.
13. Matters regarding situations which are not covered under any other Provisions of this Ordinance.

MIK-MES

- 1.1. The student must submit the research plan, including the Degree of Freedom of the student in my Discipline of Knowledge. The student must demonstrate the ability to identify the research problem, the research question, the research objectives, the research methodology, the research design, the research instruments, the research data, the research results, the research conclusions, and the research implications.
- 1.2. The student must submit the research plan, including the Degree of Freedom of the student in my Discipline of Knowledge. The student must demonstrate the ability to identify the research problem, the research question, the research objectives, the research methodology, the research design, the research instruments, the research data, the research results, the research conclusions, and the research implications.
- 1.3. The student must demonstrate that the student is capable of identifying, selecting, and evaluating the research problem, the research question, the research objectives, the research methodology, the research design, the research instruments, the research data, the research results, the research conclusions, and the research implications.

1. LAYOUT OF INSTRUCTION AND WAITING TIMES

Chadwick, Clark and Marilyn, 2003; and Clark, 2003). In the literature, most of the diagrams for α and β are based on the assumption that the α and β are symmetric and unimodal. In this paper, we consider

by the Department registered in the library and must not be lent out and/or performing any
an Cultural Studies & Comparative Literature, also is, for the Original or final
may be considered as the main copy in the library, in the language the work is
The work must be kept by the concerned Faculty and should not be kept in the
language is unknown, then it may be submitted in both the languages, Sanskrit &

It is vital to the continued language of the court system in the Department where standard language must be used. If, English, French, etc. are taught, please ensure that you are writing a study in English or your own native language in which the University has expertise. The University French translation that is granted by our University is not for the recommendation of the University, International Office of Studies.

1. ELIGIBILITY FOR REGISTRATION IN THE PhD PROGRAMS

- a) An applicant for registration in a PhD programme must have obtained a Master's Degree or Degree equivalent with a minimum of 55% marks. It should be the equivalent or an allied subject pursued by a Bachelor's Degree or an equivalent Degree from a recognised University / Institute. One requirement shall be given in the application following to the relevant category as per the criteria of Government of India.

- b) In addition to the above, an applicant must also fulfil any one of the following conditions:

- i) Qualified in any of the following examinations: NET (conducted by UNIVERSITY, State, Central or equivalent), National Level Competitions conducted by Government of India.
 - ii) Degree of PhD from abroad.
 - iii) Also employed as I.C. Ph.D. scholar in Government or any other university recognised by the UGC (but also follow the local University Statutes and Regulations for awards of SUPERGRAD Degree/Registration etc).
 - iv) Holders of the VIKRIT.
- The validity of the VIKRIT, once cleared, will be for two years from the date of publication of result.

- 1.2 The VIKRIT will be held in the month of Middle of April every year. A notice issued by VIKRIT in a particular year will be made available from the Assistant & Executive Officer, AI, Government College for Women, Pondicherry campus and the end of advertisement will be 40° January each year. Eligibility for appearing in the VIKRIT shall be as per the clause noted above.

2. PROCEDURE FOR REGISTRATION IN THE PhD PROGRAMMES

- 2.1 Students shall be registered in the PhD programme from the previous year of the eligibility criteria for the admission. Students need not seek admission in the previous year of the VIKRIT following the procedure of registration.

Internal Complaints Committee (ICC) for Prevention of Sexual Harassment against Women at Workplace (PSHWW), Visva-Bharati.

A brief history- What is it all about?

In pursuance with the guidelines and subsequent instructions issued by the Govt. of India, Ministry of Human Resource Development and the University Grants Commission, New Delhi, Visva-Bharati had constituted a committee in the name of “Standing Committee for Prevention of Sexual Harassment of Women at Workplace” in June 2000, which was renamed as Internal Complaints Committee for Prevention of Sexual Harassment against Women at Workplace in 2013.

Activities of the Committee:

The committee immediately initiates action once any written complaint is received from the complainant by the Chairperson/Convenor or by any member of the committee or referred to the committee by any appropriate authority of the university. During investigations the members of the committee hear from both the parties- the complainant(s) and against whom the complaint is made, in person, separately and obtains their written depositions on spot. The committee at its liberty can hold meetings on different occasions on a single issue considering its seriousness of the charges as well as to make sure of the fact of the incident(s). Then finally the committee submits its report to the university administration with its findings and recommendations thereupon. As per the law the committee completes its investigation and submits report within ninety days from the date of receipt of the complaint .It may kindly be noted that during last 14 years of its activities, the committee has successfully settled about 40 such cases to redress the grievances of the complainant or vice-versa. At the same time, the committee keeps a strict vigil on the charges of any complaint made with a bad intension or a false complaint is being made to defame the person or the chair concerned with. It may be pertinent and meaningful to mention that, although the committee is constituted or reconstituted by administration from time to time, the Standing Committees and the present ICC committee works independently with its utmost sincerity and it is free from any biasness or prejudices. Record says that no intervention whatsoever, by the

Administration or any local authorities or any political parties hampered the functioning of this committee.

Now in compliances with the “Vishakha Guidelines” and subsequent enactment of the new rules by the Hon’ble Supreme Court of India on “Prevention of Sexual Harassment against Women at Workplace-2013”- the nomenclature of the Committee has been renamed as the “Inter Complaints Committee” for Prevention of Sexual Harassment of Women at Workplace (PSHWW), Visva-Bharati.

Members:

The present committee comprising of the following members:

Dr. Mausumi Bhattacharyya, Associate Professor, VB -Chairperson

Prof. Rajasree Basu, Rabindra Bharati University, Kolkata- External Member

Prof. Shukla Deb Kanango, Santi Trust (NGO Member), Santiniketan- External Member

Smt. Ivey Acharjee, District Protection Officer, Birbhum, Suri, WB- External Member

Smt. Ameena Kabir, Lawyer, Calcutta High Court, Kolkata- External Member

Prof. Shibani Choudhuri, Department of Environment Studies, VB- Member

Prof. Amit Hazra, Adhyaksha, Palli Samgathana Vibhaga, VB- Member

Dr. Larisha M. Lyndem, Associate Professor, Department of Zoology, VB- Member

Dr. Avijit Banerjee, Associate Professor, Department of Chinese Language & Culture, VB-Member

Dr. Meghali Goswami, Associate Professor, Kala Bhavana, VB- Member

Dr. Ipsa Bandhopadhyaya, Assistant Lecturer, Patha-Bhavana, VB, Member

Dr. Tanusree Paul, Assistant Professor, Centre for Women’s Studies, VB- Member

Smt. Shyamala Roy, Confidential Secretary to the Vice-Chancellor, VB- Member

Sri Rupratan Patnaik, Section Officer (Examinations), VB- Convenor

The present committee has framed a policy for the University on Prevention of Sexual Harassment of Women at Workplace (PSHWW) which has duly been approved by the Karma-Samiti (Executive Council) of the University and

uploaded in the university official website. The matter has duly been communicated to the MHRD Ministry & to the UGC.

(POLICY)

In the wake of the changing scenario of the present society's socio-economic state to protect the women against any kind of sexual harassment and to protect our female students of any age group and the employees as a whole and at the same time the instructions issued by the UGC & MHRD from time to time to be followed and implemented in any academic institutions like us which has a prestigious heritage of dignity and uniqueness, the committee apart from its regular activities has already started a few awareness campaigning workshops in the name of –“Gender Issues and Us” at different levels. Within a short spell of about two months the committee had conducted three such workshops.

The first one was at the highest level being attended by the Registrar, Provosts, Directors, the Principals of all institutes of the university including the school sections, the Controller of Examinations, the Proctor, the Chief Medical Officer, the Librarian etc. and some other senior administrative officers of the university.

(Report of the meeting 27/06/2014)

The second one was held at the Central Library of the University being attended by the staff members of library cadre and the principals of the Bhavanas. The workshop was chaired by the Vice-Chancellor.

(Report of Library)

The third one was held at Kala Bhavana(Institute of Fine Arts) being attended by the students (both female & male) of the institute from UG to PG up to researchers level. The workshop was chaired by the Registrar. The committee apart from its regular campaigning on this sensitive issue and its serious consequences invited open feedback from the participants and other stakeholders on regular basis and encouraged the students to go through the policy.

(Report of Kala Bhavana)

4. Declaration by the Head of the Institution

I hereby declare that as included in the Self-Study Report of 2023, I am a part of the Institution and its management.

I hereby declare that the institution is a bona fide educational institution, and I am not a trading entity, or a business, etc.

I am, as member of the Peer team, will validate the information provided in the 2023 document of the peer institution.


Signature of the Head of the Institution

04/01/2024

Dr. Anil Kumar, Head of the Institution


Dr. Anil Kumar

Dr. Anil Kumar
Date: 04/01/2024