

VISVA-BHARATI

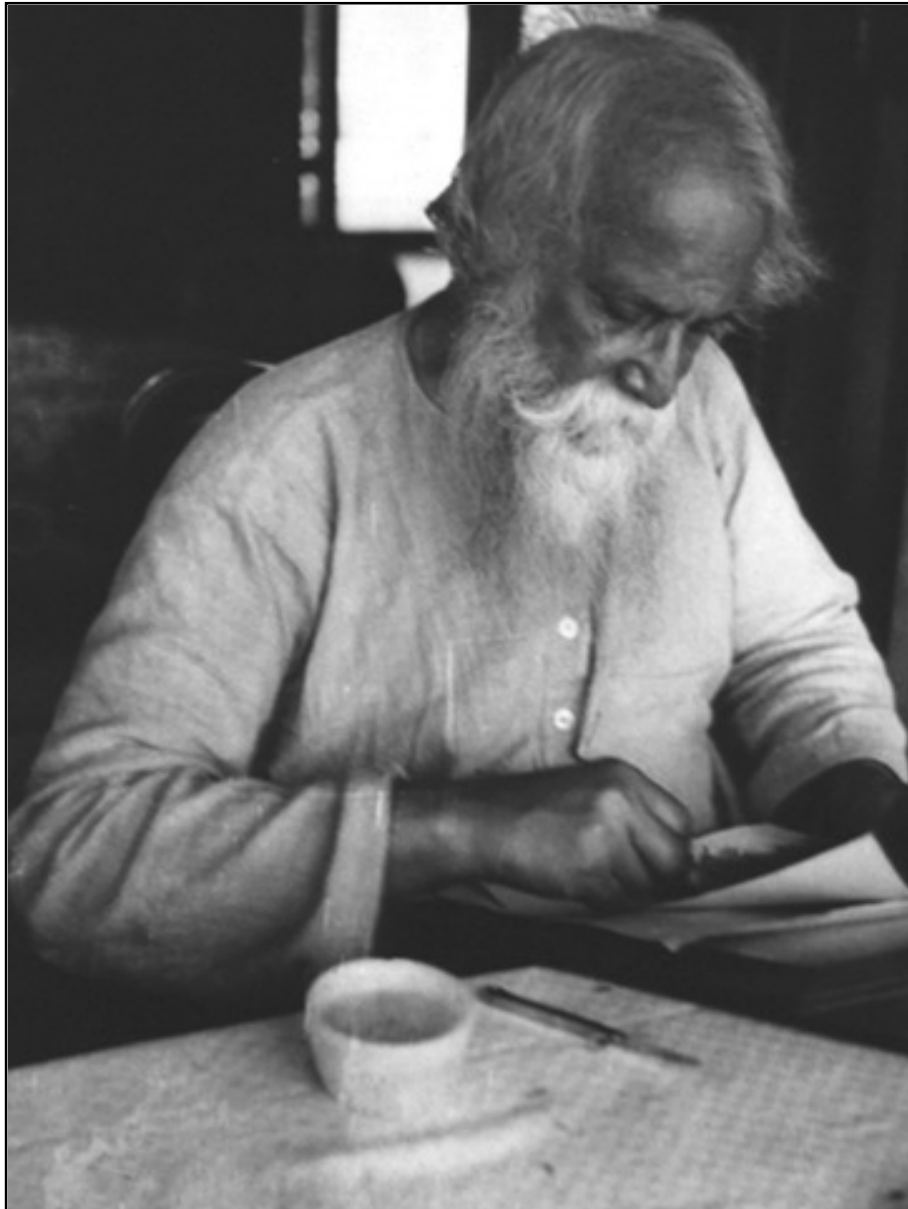
Annual Report 2017-2018



Santiniketan
2018

॥ यत्र विश्वं भवत्येकनीडम् ॥

YATRA VISVAM BHAVATYEKANIDAM
(Where the World makes its home in a single nest)



“ 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 ” -*Rabindranath Tagore*

आचार्य
श्री नरेंद्र मोदी
ACHARYA (CHANCELLOR)
SHRI NARENDRA MODI
उपाचार्य
प्रो. सबुजकलि सेन
UPACHARYA (VICE-CHANCELLOR) (Offig.)
PROF. SABUJKOLI SEN

विश्वभारती
VISVA-BHARATI
(Established by the Parliament of India under
Visva-Bharati Act XXIX of 1951
Vide Notification No. : 40-5/50 G.3 Dt. 14 May, 1951)

शांतिनिकेतन - 731235
SANTINIKETAN - 731235
जि. वीरभूम, पश्चिम बंगाल, भारत
DIST. BIRBHUM, WEST BENGAL, INDIA
फोन Tel: +91-3463-262 451/261 531
फैक्स Fax: +91-3463-262 672
ई-मेल E-mail : vice-chancellor@visva-bharati.ac.in
Website: www.visva-bharati.ac.in

संस्थापक
रवीन्द्रनाथ ठाकुर
FOUNDED BY
RABINDRANATH TAGORE

FOREWORD



सं./No. _____

दिनांक/Date. _____

For Rabindranath Tagore, the University was the most vibrant part of a nation's cultural and educational life. In his desire to fashion a holistic self that was culturally, ecologically and ethically enriched, he saw Visva-Bharati as a utopia of the cross cultural encounter. During the course of the last year, the Visva-Bharati fraternity has been relentlessly pursuing this dream.

The recent convocation, where the Chancellor Shri Narendra Modi graced the occasion has energized the University community, especially because this was the Acharya's visit after 10 years. Tagore stood as a colossus across Bengal and the inauguration of the Bangladesh Bhavana in the presence of the two Prime Ministers was an occasion for great celebration, where the University acted as an ambassador between two neighbouring countries. We sincerely hope that Bangladesh Bhavana will continue to take this role forward. Similarly, Cheena Bhavana and Nippon Bhavana have enriched India's cross cultural encounter and Visva-Bharati is proud of their efforts. A series of exchange programmes and conferences organized by these departments have added sheen to the University. Sriniketan has acted as a bridge between the University and the community and many of Tagore's ideas have found resonance in the programmes of Swacch Bharat and Unnat Bharat. This year, Sriniketan has adopted 50 more villages thereby taking Tagore's dream forward. Awareness programmes on women's issues and social evils have taken Visva-Bharati's social responsibility to greater heights.

Kala Bhavana and Sangit Bhavana are soon to complete a hundred years of existence. Both are widely recognized and the faculty and students will no doubt continue to bring international acclaim to the University.

Life at Visva-Bharati has been rich and fulfilling with a glut of academic programmes, cultural events and the usual festivals that have become an integral part of national culture. In its attempt to be environmentally more responsible, various policies were revamped during the Poush Mela. The faculty and students have attained awards and distinctions and have made their presence felt both in the national and international spheres.

We shall soon embark on the 150th Birth Celebrations of the 'Father of the Nation', Mahatma Gandhi. Given his close association with Gurudev and Santiniketan, we shall celebrate the occasion in a befitting manner throughout the year.

As with every organization there have been some problems that Visva-Bharati has faced. Meanwhile, let us pledge to serve with humility this august institution of national importance.

Sabuj Koli Sen

Contents

Chapter I	i-v
From Bharmacharyashrama to Visva-Bharati.....	i
Institutional Structure Today	ii
Socially Relevant Research and Other Activities	iii
Finance	v
Administrative Staff Composition	vi
University At a Glance.....	vi
Student Composition	vi
Teaching Staff Composition	vi
Chapter 2	1-439
Bhasha Bhavana	1-77
Department of Bengali	4
Department of English & Other Modern European Languages.....	12
Department of Hindi	24
Department of Sanskrit, Palli and Prakrit	30
Centre for Endangered Languages.....	36
Department of Odia	39
Department of Arabic, Persian, Urdu and Islamic Studies.....	45
Department of Indo-Tibetan Studies.....	51
Department of Santali.....	57
Department of Marathi.....	60
Department of Tamil.....	61
Department of Japanese (Nippon Bhavana).....	63
Department of Chinese Language & Culture	66
Centre for Modern European Languages.....	69
Department of Assamese.....	72
Centre for Buddhist Studies.....	74
Centre for Comparative Literture.....	75
Vidya-Bhavana	78-113
Department of Economics & Politics.....	79
Department of Geography	88
Department of History.....	93
Department of Anthropology.....	98
Centre for journalism & Mass Communication.....	100
Department of Ancient Indian History.....	105
Department of Philosophy & Comparative Religion.....	109
Siksha Bhavana	114-236
Department of Physics	115
Department of Chemistry	132
Department of Mathematics	154
Department of Zoology	165
Department of Botany	179
Department of Statistics	199
Department of Computer & System Sciences.....	203
Department of Environmental Studies.....	212
Department of Biotechnology.....	220
Centre for Mathematics Education.....	228
Integrated Science Education & Research Centre.....	231
Kala Bhavana	237-265
Department of Design	238
Department of Sculpture.....	244
Department of Painting.....	249
Department of Graphic Art.....	256
Department of History of Art.....	259
NandanKala-Bhavana Museum.....	264
Sangit Bhavana	266-273
Dept. of Rabindra Sangit Dance & Drama & Dept. of Hindustani Classical Music.....	266
Vinaya Bhavana	274-283
Department of Yogic Art.....	275
Department of Physical Education.....	277
Palli Samgathana Vibhaga	284-317
Rural Extentsion Centre.....	284
Silpa Sadana	300
Department of Social Work.....	304
Palli Charcha Kendra.....	315
Palli Siksha Bhavana	318-396
Department of Agronomy.....	321
Department of ASEPAN.....	334
Department of Genetics & Plant Breeding.....	342
Department of Horticulture.....	351
Department of Agricultural Extension.....	362
Department of Agricultural Economics & Statistics.....	368
Department of Plant Protection.....	374
Department of Agricultural Engineering.....	391
Department of Animal Science.....	396
Secondary & Higher Secondary Institutions	397-401
Patha Bhavana.....	397
Siksha Satra.....	398

Other Academic Centres.....	402-435
Rabindra Bhavana.....	402
Appraisal Report of SC/ST Cell.....	408
Grantha Vibhaga.....	409
Indira Gandhi Centre	414
SC/ST Cell.....	416
Central Library.....	418
Centre for Women's Studies.....	430
A K Dasgupta Centre for Planning & Dev.....	434
Chapter 3.....	436-438
Academic Calendar/Programmes.....	436
Chapter 4.....	439-442
Student Strength, New Admissions and Other Information	
Chapter 5.....	443-444
Projects being undertaken under Capital Assets for the year 2017-2018.....	443
Chapter 6.....	445
University Finance.....	445
Chapter 7.....	446-447
Ordinance & Amendments.....	446
Appendix	
Appendix A.....	448
Adhyakshas of Bhavanas / Vibhagas (Head of the Institutes).....	
Appendix B...Functionaries of the University.....	449
Appendix C...Head of the Department.....	451
Appendix D.....	453
Academic Staff.....	453
Appendix E... Members of Samsad (Court).....	473
Appendix F... List of Existing Karma-Samiti Members.....	477
Editorial Board :	478

Chapter - I

From Bharmacharyashrama 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 *Upanisadas* (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 early 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.” The concept of holistic education which will nurture a ‘complete’ human was imbibed by Rabindranath from our ancient Indian Upanisadic 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 Bramhacharya school during 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 1919 music and art were being taught at Kala Bhavana which finally branched off into two institutions i.e. Kala and Sangit Bhavana in 1933.

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 of this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational educational 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 constrains--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 ethereal beauty, serenity and academic vibrancy.

Institutional Structure Today

Visva-Bharati, as per the Act of Parliament of 1951, has the President of India as the Paridarsaka (Visitor) and the Governor of West Bengal as the Pradhana (Rector). The President of India appoints the Acharya (Chancellor) and the Upacharya (Vice-Chancellor) of the University. The Act of 1951, with certain amendments made by Parliament thereafter, and the Statutes of Visva-Bharati constitute the basis of the powers and functions of the university and its constituent authorities. The chief decision-making bodies of the university are the Samsad (Court), the Karma Samiti (Executive Council), the Siksha Samiti (Academic Council), the Artha Samiti (Finance Committee),

and the various Institute Boards and Patha Samitis (Boards of Studies).

The University has the following Institutes, namely :

At Santiniketan

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

Vidya-Bhavana (Institute of Social Sciences)

Siksha-Bhavana (Institute of Science)

Kala-Bhavana (Institute of Fine Arts)

Sangeet Bhavana (Institute of Music, Dance & Drama)

Vinaya Bhavana (Institute of Education)

Rabindra Bhavana (Institute of Tagore Studies, Museum & Archives)

Patha Bhavana (Institute of Primary, Secondary & Higher Secondary Education)

At Sriniketan

Palli Samgathana Vibhaga (Institute of Rural Reconstruction)

Palli Siksha Bhavana (Institute of Agricultural Science)

Siksha Satra (Institute of Primary, Secondary & Higher Secondary Education)

At Kolkata

Granthana Vibhaga (Publishing Department)

Besides, Visva-Bharati also guides the functioning of Agro-Economic Research Centre (A research centre sponsored by the Ministry of Agriculture integrated with Visva-Bharati) and the Computer Centre, which functions as a service centre that helps both academic and administrative departments, in addition to performing its academic functions.

Socially Relevant Research and Other Activities

Steps were taken to promote socially relevant research work in Humanities, Physical and Social Sciences, and need-oriented extension activities of weaker sections.

A short review of the various activities in consonance with the above is given below:

The major areas of research covered by Siksha-Bhavana (Institute of Science) include Plants and Herbicides, Crop-nutrition, Forestry, Pisciculture, Atomic Research, Environmental pollution concerning Agricultural production and fisheries and also Industrial pollution, Immunization of plants and identification of certain epidemics. The Department of Zoology has been identified as a department of Special Assistance by U.G.C. under the special Assistance Programme with two thrust areas of teaching and research namely Fish Biology and Environmental Biology.

The Agro-Economic Research Centre took up research work related to (a) Role of Non-Government Agencies in Agricultural Development in Bihar, (b) Marketing of Agricultural Commodities concerning processing and input supply, (c) Decentralised planning in Agriculture and Rural Development, (d) Effect of Subsidies on Agricultural Development, (e) Economic Viability of Marginal and Small Farms and (f) Agricultural Marketing with special focus on progressing and inputs supplies (West Bengal).

Palli Samgathana Vibhaga sought to bring about regeneration of village life through self-help and self reliance in the villages around Santiniketan and Sriniketan through action-oriented programmes

such as Mass Literacy programme, adult education, programmes undertaken by Brati Balak and Youth Organisation, rural library services, craft extension & training, etc., especially in the areas inhabited by scheduled castes and scheduled tribes and other backward classes.

Palli Charcha Kendra (Centre for Rural Studies) focused its attention on Anti-Proverty programmes in Rural Areas with an in-depth study of "Operation Barga", Agricultural Production and Agricultural Marketing under ICAR, and studies in Language Corruption and Culture confusion of the Tribal Communities, especially the Santhal Community.

Palli Siksha Bhavana (Institute of Agricultural Science) took up (a) All India Coordinated Research projects on weed control under USDA and ICAR, (b) Nocil Research project on Weed Control on rice, (c) Oil-seed research scheme, (d) The effect of Neem Extract created on various crops, (e) A village level survey on nature, composition and utilisation of wastes under NROER and (f) Effect of irrigation and nitrogen on growth of crops, Agricultural Economy for the growth of Farm-Capital by introducing large scale, Jute, Sugarcane, Mustard Seed cultivation under the sponsorship of Visva-Bharati. Apart from the above, socially relevant projects undertaken by the Department of Plant Protection included (a) Integrated Pest Management, (b) Post-harvest Pathology, (c) Nematode Ecology, etc. A Soil Testing laboratory has also been set up in collaboration with the State Government, developing efficient soil testing methods for estimation of available soil phosphorous and potassium in lateritic soils in relation to production of rice crop.

The Department of Social Work organised programmes of socially relevant field studies like (a) Drop-outs to join schools, (b) Utilisation services of the health centres, (c) Investment in Agriculture and Industry by Co-operative Banks, (d) Family in socially distress, (e) Self-employment for SC/ST community and other backward classes of the rural population and special projects for the physically handicapped. It further initiated a community-based rehabilitation programme in collaboration with other governmental agencies in the neighbouring villages.

The Institute of Humanities and Social Science took up research programmes in Philosophy, Religion, History, Economics, Political Science and various languages, both Indian and foreign. Mention may be made of Bengali, Sanskrit, Palli & Prakrit, Persian, Urdu, Hindi, Santhali, Oriya, Tamil, Marathi, Tibetan, Chinese, Japanese, Russian etc. Special studies on Buddhist literature and religion are being carried out in the Departments of Chinese Language & Culture and Indo-Tibetan Studies. They have a rich store house of old manuscripts. The Department of Oriya has taken up a special study of the Folklore of Orissa. Nippon Bhavana, i.e., the Japanese Studies & Culture Centre has been re-oriented towards cultural programmes between India and Japan with financial assistance from Japan.

That apart, the Indira Gandhi Centre for National Integration organises workshops and seminars on curricular development to determine how the culture of National integration may be taken up in the Secondary and Higher Secondary schools as a course of studies.

Apart from regular curricula in Computer Science at B.Sc. and M.Sc. levels, there is an independent Computer Centre of marked distinction imparting regular training and computation facilities to the Visva-Bharati community, both academic and administrative, to foster the generation of a computer culture. Computation facilities are also available in the following departments: English, Botany,

Kala Bhavana, Mathematics, Palli Siksha Bhavana, Physics, Rabindra Bhavana, Zoology, and Agro-Economic Research Centre.

Mention may also be made of extension activities of students, which were marked by a special and socio-economic significance. These were organised in the form of regular programmes of NCC, NSS, Physical Education, and functions and festivals, including educational excursions which entailed an interaction with the people of the adjoining rural areas, mostly inhabited by scheduled castes and scheduled tribes. The salient features of these extension activities related to social services, protection of the environment, eradication of illiteracy, primary health care as also the campaign against drug addiction.

The above gives a comprehensive view of the steps taken by the university to promote socially relevant research in tune with the dream of its founder Rabindranath Tagore, who looked forward to social uplift in India through socially relevant education programmes.

Finance

The University is almost totally dependent on the U.G.C. grants for day to day running expenditure, a major part of which is in the nature of salaries etc. to teaching and non-teaching staff. The Maintenance grant (2017-2018) received from U.G.C. is Rs. 25975.30 lakhs as against actual expenditure to the tune of Rs. 21,918.80 lakhs during 2016-2017.

Detailed status of Non-teaching employees as on 31.03.2018

Sl. No.	Name of the Post	No. of Sanctioned Post	Existing strength	Vacant Position
1.	Group-A	93	67	26
2.	Group-B	262	196	66
3.	Group-C	1445	580	865
4.	MTS			892
	TOTAL	1800	843	957

UNIVERSITY AT A GLANCE

Total no. of Students : 10251 (Male—5338, Female—4913)

Total no. of Teaching Staff : 626

(Professor—151, Associate Professor-94, Asst. Professor-264, Asstt. Lecturer-117)

Total no. of Administrative Staff : 843

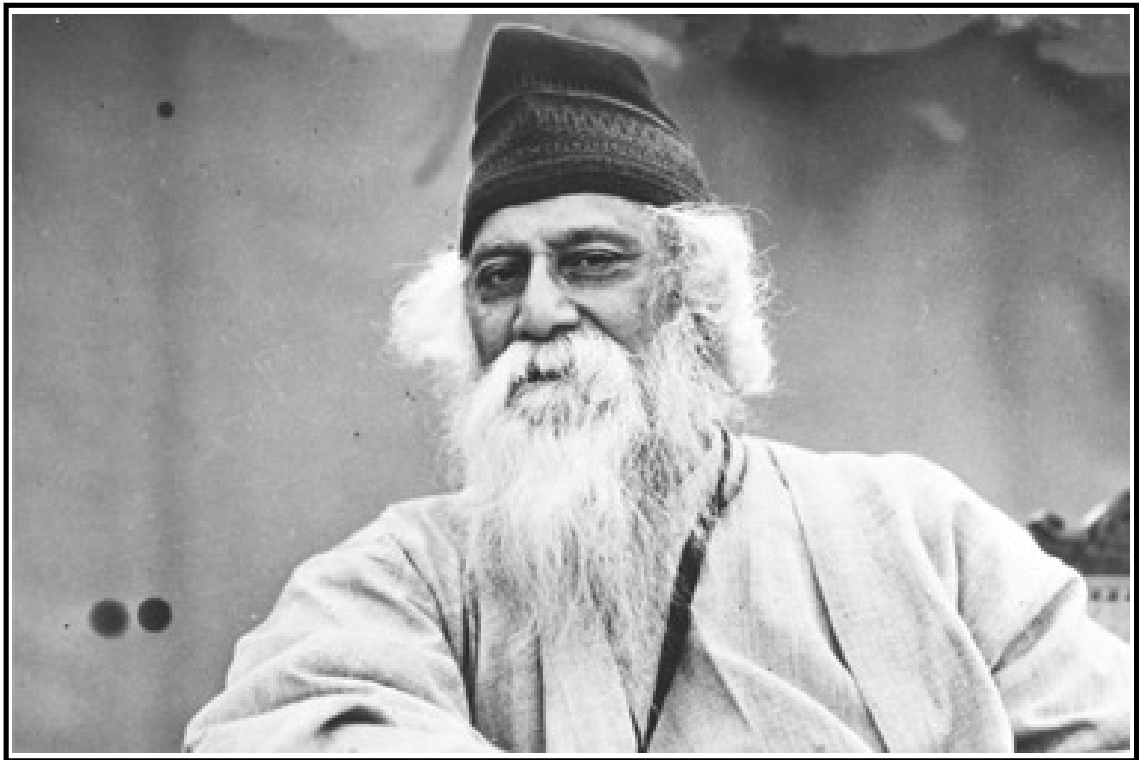
Group-A : 67

Group-B : 196

Group-C including MTS 580

Total no. of sanctioned post of teaching staff (Prof. 70, Associate Prof. 153 Asst. Prof. 414, Asst. Lect. 159)

Total no. of sanctioned post of administrative staff (Group-A 93, Group-B 262, Group-C (including MTS) 1445)



Chapter 2

BHASHA-BHAVANA

(Institute of Languages, Literature and Culture)

Annual Report of Bhasha-Bhavana 2017-18

Bhasha Bhavana has emerged with an individual identity of its own, having been carved out of what-was-then undivided Vidya Bhavana in February 2010. As the Institute of Languages, Literatures & Culture, with ten major language departments, two centres and three language units within its ambit, Bhasha Bhavana has tried to live up to the rich heritage of language/literature teaching in Visva-Bharati, through which much of the cultural ethos of this university has been promoted. In 2014, several departments of Bhasha-Bhavana moved to the newly constructed building in Purvapalli, while some others remained in their former premises.

The departments/centres that comprise Bhasha-Bhavana offer regular courses in undergraduate and postgraduate teaching, together with research programmes at M.Phil. and Ph.D. levels. With teaching of literature today having moved increasingly towards study of culture, the departments have adequately upgraded their courses to meet the present pedagogical/academic needs. Bhasha-Bhavana also offers part-time language courses (including two-year Certificate, one-year Diploma and one-year Advance Diploma programmes) in 17 Indian and foreign languages, for regular students and staff members of Visva-Bharati and for residents of the locality. One-year integrated casual courses in certain languages and literatures are available for foreign students.

Visiting professors and scholars from all over the world regularly visit Bhasha-Bhavana, enabling exchanges of ideas that contribute significantly to research and pedagogy. The Department of Odia has developed a Centre of Excellence, while the Department of English has entered into the 2nd phase of its DRS (Departmental Research Scheme) programme, with its thrust area focussed on “Rabindranath Tagore: East-West Confluence”. The Departments of Chinese and Japanese both actively seek collaborations and exchanges (including student and/or faculty exchange programmes) with universities/institutions in China and Japan respectively. The Department of Arabic, Persian, Urdu and Islamic Studies similarly engages actively with Indian and overseas institutions in promoting the study of these languages and cultures. The Department of Sanskrit, apart from tending to the mainstream courses, offers a unique course on Manuscriptology. The Assamese Language Unit is in the process of upgrading itself through the induction of a Chair in the name of Sankardeva; in this, active support has been received from the Government of Assam.

Each department has been conducting its own seminars/conferences/workshops and special lectures, to which both national and international speakers/participants/visitors are invited. Bhasha Bhavana itself, over the last one year, has conducted two major seminars on “Relocating Marginality” and “Literary Text to Theatre”; these were enriched through the lively and enthusiastic participation of several scholars and/or theatre-practitioners of national/international repute. Regular visits by global/national scholars have facilitated exchanges of meaningful ideas contributing significantly to research and pedagogy.

Cheena Bhavana, the Department of Chinese, and Hindi Bhavana, the Department of Hindi, house prestigious sectional libraries, with around 45,000 and 35,000 books respectively. The Department of Comparative Literature, a new entrant, has upgraded itself to offer M.A., M.Phil., Ph.D. programmes, alongside the subsidiary/alternative options for the undergraduate courses.

The office of Bhasha-Bhavana is run efficiently by the collaborative efforts of the office administrative staff. Shri Soumen Saha is Section Officer of Bhasha-Bhavana; Shri Ganesh Ghosh is Senior Office Assistant; Shri Amar Karmakar is Bhavana Record Keeper; Shri Ranjan Reshmi Senapati is peon; and Shri Panchanan Khan is full-time casual worker. Shri Subir Goswami provides service as temporary worker in the Bhasha-Bhavana office.

The uniqueness of Bhasha-Bhavana lies in forging bonds not only between languages and literatures, Indian and foreign, but also in interacting with other disciplines, like social sciences, visual arts or performative arts. On the one hand, this has enriched the interdisciplinary thrust of Bhasha Bhavana, promoted through its pedagogical practices as well as its research programmes. On the other, it has gained for Bhasha-Bhavana the distinction of merging as a cultural centre that encourages the meeting of the best cultural facets of East and West. In achieving this, Bhasha Bhavana is truly able to encapsulate the motto of the institution – “where the whole world meets in a single nest” – thereby living up to the ideals of our founder, Gurudev Rabindranath Tagore.

Principal
Bhasha-Bhavana

BHASHA BHAVANA

Programmes/Events : 2017-2018

National Seminar:

A three day National Seminar on "Politics of Difference and (Re)locating Marginality : Reflections in Indian Literature" was organized in collaboration with ICSSR, New Delhi and CIIL, Mysore, from 9 to 11 November, 2017. That was an endeavour to bring the language departments of Bhasha-Bhavana together in an academic discourse, which is today a major concern in pedagogical/academic pursuits in language/literature/culture. Eminent scholars from all over India attended and made the occasion memorable through their meaningful participation. Through plenary sessions, invited lectures, panel discussions, paper presentations, and overall enthusiastic responses the seminar made its desired impact on all participants. The cultural programme, showcasing Tagore's dance drama Chandalika, gained particular relevance in the context of the issue of marginality that this seminar addressed. Another significant dimension was added to the seminar when the representatives of the marginalized Dhamal community of North Bengal shared with the audience their experiences and demonstrated their cultural modes of communication/performance. Both these items were widely applauded and enriched the experiences of all the participants.

Celebration of Antarjatik Matribhasha Divas:

Antarjatik Matribhasha Divas or International Mother-Language Day was celebrated by the students and teachers of Bhasha-Bhavana on the morning of 22 February, 2018. Professor Kalpika Mukhopadhyay, formerly of the Department of Sanskrit, Visva-Bharati, addressed the gathering on the occasion. Her lecture was followed by the medley of songs and recitations in different languages, performed by the different departments of Bhasha Bhavana, each celebrating the Mother-language day with its own uniqueness.

Programme of Special Lectures:

A programme of Special Lectures on "From Page to Stage: Literary Text to Theatre" was held from 25 to 27 March, 2018. Distinguished scholars from the field of drama as well as practitioners of theatre delivered lectures and demonstrated performances to show how literary texts are transmitted onto the stage. Theatre-scholars like Professor Ananda Lal, formerly of Jadavpur University or Professor Soumitro Basu of Rabindra Bharati University deliberated on the theoretical assumptions behind such engagements in the theatre. A scholar-cum-practitioner like Smt. Trina Nilina Banerjee of the Centre for Social Sciences, Kolkata, or Sri Sudhanva Deshpande of Jana Natya Mancha, New Delhi, offered their views on the subject. Theatre-practitioners like Janab Nasiruddin Yusuf (Bacchu) of Dhaka Theatre, Bangladesh, or Smt. Maya Ghosh of Theatre Wokshop, Kolkata, or Sri Goutam Halder of Naye Natua, Kolkata, regaled the audiences with their stage experiences, laced with snippets of demonstration from their performances. Smt. Sharmila Roy Pommot added to the event with her experiences of working with Peter Brook, and her soulful singing of relevant pieces. Presentations/interjections/observations from other scholars, theatre-practitioners, or even participants enriched the event further.

DEPARTMENT OF BENGALI

Name of the students qualified in UGC/CSIR/NET examinations: 2

NET with JRF (2), NET: (3)

Departmental Seminars etc. (Speakers, Title of Seminars, Date):

27 Nov. 2017: Prof. Alpana Roy delivered the Annual 'Rathindranath Smriti-Baktrita'.

20 March 2018: The Department organized one-day National Seminar in collaboration with 'Paschimbanga Baul Academy' titled 'Baul ebong Bangla Sahitya- Sanskriti'. Prof. Alpana Roy, Prof. Sisir Kr. Sinha, Prof. Saktinath Jha, Smt. Leena Chaki and Dr. Aditya Mukhopadhyay illuminated the Seminar.

22-23 Feb.2018: The Department ventured Two-day 'Kabita-Utsava' in collaboration with Ministry of Culture of the Govt. of India, Sahitya Akademi, 'Abrittilok' and 'Bratati Parampara' at Santiniketan.

Only National and International Conference/ Seminar/ Workshop/ Exhibition etc. attended by Teachers/ Research Scholars in details:

Aparna Roy

24 January 2018: Chaired and discoursed as Resource Person on "History and Heritage of Bengal", organized by the Department of Modern Languages, Pabna University of Science and Technology, Pabna, Bangladesh

8 March 2018: Discoursed on উনিশ শতকের চাকুরিজীবী ভদ্রমহিলা as a Resource Person in a seminar on উনিশ শতক : সাহিত্য ও সংস্কৃতি, organized by Diamond Harbour Womens University, Kolkata

27 November 2017: Discoursed on " Reconstruction of Indian Femininity in the perspective of Bhakti Movement" in a seminar organized by Bhasha Bhavana, Visva-Bharati.

21 February 2018: Discoursed on বাংলা ভাষা ও ভাষা দিবস in a seminar organized by Santipur College, Nadia

28 March 2018: Discoursed on "Social Exclusion and Position of Dalit Women: Reflections in the Autobiographies of Dalit Women" in a seminar organized by Assam University, Silchar.

Atanu Sasmal

26 May 2017: Delivered lecture on 'Kazi Nazrul Islamer Uponyas O Choto galpo' as a Resource Person of the celebration of Nazrul Jayanti organized by the Office of the Sub-divisional Information & Cultural Officer, Govt. of West Bengal, Bolpur, Birbhum.

18-19 August 2017: Chaired a Technical Session of the International Seminar on 'Vision Of Rabindranath Tagore on Co- operative Society And Community Development' organized by Visva-Bharati Co-operative Credit Society limited and Dept. of Life Long Learning And Extension (REC), Visva- Bharati.

03 September 2017: Delivered lecture on 'Rabindranath O Brojendranath: Nirbachito Koyekti Prosonger Nirikhe' as the prestigious A.B.N Seal Memorial Lecture organized by Acharya Brojendra Nath Seal College, Cooch Behar.

13-15 October 2017: Delivered lecture on 'Sahitye Manostatto: Rabindranather Chaturango Uponyas' organized by Nikhil Bharat Banga Sahitya Sammelon at Santiniketan.

21-22 November 2017: Delivered lecture at the beginning of International Conference and also chaired a session on 'Nazrul in Twenty First Century' organized by Uttara University, Bangladesh, Assam University, India and Jatiya Kabi Kazi Nazrul Islam University, Bangladesh in Dhaka, Bangladesh.

16 December 2017: Delivered lecture on 'Bangla Chotogalpo Bishoyak Ekti Andolan: Rabindranather Galposaptak' at Refresher Course -7 titled 'Bangla Sahitya: Samaj Sanskriti Andolan' organized by U.G.C Human Resource Development Centre and Dept of Bengali, University of North Bengal at N.B.U campus.

14 January 2018: Delivered lecture on 'Sesher Kabita Uponyaser Rabindra-krito Pandulipi o tar Parichay' at Subodhranjan- Anuradha Roy Smarak Baktrita organized by Bangiyo Sahitya Parisat in Calcutta.

22-23 January 2018: Presented a paper on 'Alaler Gharer Dulal O Unish Bigha Dui Katha (Chha Mon Atha Guntha) : Ekti Samiksha' in National Seminar on 'Fakirmohan, Indian Renaissance and Relevance of his Literature' organized by the Dept. of Odia, Visva-Bharati in collaboration with CIIL, Mysore at Bhasha- Bhavana, Santiniketan.

7 February 2018: Delivered lecture on 'Galposaptak : Ekti Samiksha' at Kananbihari Baktritamala organized by Rabindracharcha Kendra, Rabindra Bharati University, Kolkata.

20 March 2018: Chaired a session in national seminar on Baul O Bangla Sahitya - Sanskriti organized by Dept. of Bengali, Visva- Bharati & Paschinbanga Baul Akademi at Santiniketan.

23 March 2018: Chaired a session in the National Seminar on 'Bangla Sahitya: Bahumatrik Bikshan' organized by Burdwan University, Burdwan.

Biswajit Ray

9 November 2017. Presented a paper on 'Politics of Difference and Marginality in Bengali Poetry' in a National Seminar on 'Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature', organized by Bhasha-Bhavana, Visva-Bharati.

9 February 2018. Presented a on 'Periodical Banhi and Srimanta Shankardeva' in a National Seminar on 'Srimanta Sankardeva and His Times, organized by Assamese Language Unit, Visva-Bharati.

16-17 March 2018, Participated as resource person in 'Rabindranath's Essays on Sahitya', organized by Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati.

Manabendra Mukhopadhyay

27-28 February 2018: International Conference titled 'Page to Stage' organized by Bhasha Bhavana, Visva-Bharati, held in Santiniketan. Moderated a session.

24-25 August 2017: National Seminar on 'Method and Instruction in Second Language Training' organized by Tamil and Marathi Language Units. Chaired a Technical session.

9-11 November 2017: National Seminar on 'Politics of Difference and (Re)locating Marginality' organized by Bhasha-Bhavana, VB in collaboration with ICSSR, Mysore. Chaired a session.

24-26 February 2018: National Conference on 'Rabindranath Tagore and Translation' organized by Department of English, VB as part of the UGC DRS-SAP (Phase-II). Presented a paper titled

'Questioning the Arguments: William Radice and His Hypothesis in Translating Gitanjali'.
25-26 February 2018: Ministry of Culture, Govt. of India sponsored National Seminar organized by Bengali Education Society on 'Ramananda Chattopadhyay: His Journalism in Search of Cultural Identity' held at Anglo-Bengali College, Allahabad, UP. Presented a paper titled 'Ramananda Chattopadhyay and His Mission of Journalism: Reviewing His Relationship with Rabindranath'.
16-17 March 2018: Translation Workshop-II on 'Rabindranath's Essays on Sahitya' organized by Centre for Comparative Literature, VB in collaboration with Jadavpur University and Project Anuvad(UGC UPE 2: Cultural Resources and Social Sciences). Presented a paper as Resource Person titled "Rabindranath's 'Adunik Sahitya'".
20 March 2018: National Seminar on 'Baul O Bangla Sahitya-Sanskriti' jointly organized by Department of Bengali, VB, and Paschimbanga Baul Academy. Chaired a session.
26 November 2017: 'Rabindranath O Einstein-er Kathopokathan' organized by Anyobhavna at Gitanjali Auditorium, Bolpur. Delivered the Introductory lecture.
27 November 2017: 'Galpoguchchher Tintaranga'. Delivered the Special Lecture organized by Vivekananda Mahila Mahavidyalay, Barisha, Kolkata.
31 March 2018: Introductory lecture delivered in occasion of releasing the Book 'Crossing Many Seas' (Translated from Chitrita Devi's 'Anek Sagar Periy'e' by Prof. Somdatta Mandal) organized by 'Birutjatiyo' at New Bhasha-Vidya Bhavana, VB.

Manabendranath Saha

20 February 2018: Presented a paper in an International Seminar titled 'Banglabhashay Chalacchitra Charcha: Epar Bangla Opar Bangla' organized by Vidyasagar University, West Midnapore.
30 January 2018: Presented a paper titled 'Rabindranath- Dineshcandra Sen' in a National Seminar 'Dineshchandra Sen: SardhashatabarShe' organized by Sahitya Akademi and Chanchal College, Chanchal.
08 February 2018: Presented a paper titled 'Sahityer Rupantar: Chalacchitre Natunbhashya' in a National Seminar 'Sahitye Rupantar' organized by Bankimchandracharcha Kendra , RBU.
20 March 2018: National Seminar on 'Baul O Bangla Sahitya-Sanskriti' jointly organized by Department of Bengali, VB, and Paschimbanga Baul Academy. Chaired a session.

Milan Kanti Biswas

20 March 2018: One day National Seminar organized by Department of Bengali, VB, and Paschimbanga Baul Akademi at Santiniketan. Acted as one of the Joint Coordinators.

Mrinal Kanti Mandal

22-23 November, 2017: An International Conference organised by Uttara University, Bangladesh, Jatiya Kabi Kazi Nazrul Islam University, Bangladesh and Assam University, India on "Nazrul in Twenty First Century" held in Uttara University, Dhaka, Bangladesh. Acted as Discussant of a Session.

Rita Modak

17-19 January 2018: Delivered lecture titled 'Sattar Parabarti Bangla Galpe Paribesh O Ekti Bishesh Prabanata' organized by Bangiya Sahitya Sankriti Samsad, Dhaka, Bangladesh.

20 January 2018: Delivered lecture titled 'Rabindra Sikshadarshan' organized by Uttara University, Dhaka, Bangladesh

07 February 2018: Delivered lecture titled "Devendranath Thakurer Karmajibon' organized by Rabindracharcha Kendra, RBU, Kolkata.

13-15 October 2017: Presented a paper titled 'Birbhumer Bhumiputra: Shailajananda, Tarashankar O Sajanikanta'.

20 March 2018: Chaired a session in one day National Seminar titled 'Baul O Banglar Sahitya-Sanskriti' jointly organized by Department of Bengali and Paschimbanga Baul Akademi.

Shreela Basu

9 November 2017: Presented a paper titled 'Marginalised People in Bengal Art'. National Seminar on 'Politics of Difference and Relocating Marginality' Organized by Bhasha Bhabana, Visva Bharati.

28 December 2017: Delivered lecture titled 'Banglar Mukh', organized by Sneoti Sahitya Adda, Dinajpur, Bangladesh.

31 January 2018: Delivered lecture titled 'Kalnar Panchdash Ratna Mondire Krishnakatha' organized by Bardhaman Itihas Sandhan, Bardhaman.

Sudip Basu

25-26 March 2018: Delivered lecture in a National Seminar titled 'Swami Vivekananda and Sri Aurobindo on Gita' organized by the Akhil Bharatiya Sahitya Parishad in New Delhi.

17-18 August 2017: Delivered lecture on Research Methodology in PG Dept. (Bengali) of Ranchi University.

13 February 2018: Delivered lecture on 'Ideas of Rabindranath Tagore on Swadwshi Samaj' organized by the Rabindra Smriti Samiti, Medinipur town, West Medinipur.

14 February 2018: Delivered lecture 'Sarat Chandra Chatterjee: The Man' at the Mahisadal Book Fair, East Medinipur.

21 February 2018: Delivered lecture on 'Concept of Rabindranath on Mother Language' organized by the Diamond Harbour Women's University on International Mother Language Day.

29 November 2017: Delivered lecture at Asiatic Society in observance of the 'Sesquicentennial Year of Sister Nivedita' in the valedictory session.

Publication within the year April 2017-March 2018

Amal Kumar Pal

'Raktakarabi: Chhatrchhatrider Bhavnay' (Jointly Ed.), Kolkata: Parampara, ISBN: 978-93-80869-12-4

Aparna Roy

"প্রবহমান বাংলা চর্চা (খণ্ড ৩)" (Ed.), Diya Publications, Kolkata, ISBN 978-93-82094-05-0.

Atanu Sasmal

'Subha Ebong Shasti', Madhyabarti (ISSN: 2347-8349), Vol. 27 Issue 76-77, September & October 2017, Kolkata

Biswajit Ray

Book

Professor Shankur Sesh Diary, Second Edition, October, 2017, Lalmati, Kolkata ISBN: 978-93-81174-81-4

Chapter in Books

Introduction, Swapankumar Samagra, Volume VI, Lalmati, Kolkata, Jan 2018

Tarapada Roy-er Lekha Prasange Kayekti Katha, Tarapada Roy Rachanasamagra, Volume III, Lalmati, Kolkata, Jan 2018

Articles

Tenida Prasange Duto-ekta Katha, Arek Rakam, Vol. 5, Issue 18th-19th, Samajchacha Trust

Dujoner Diary: Santiniketan Prasanga, Arek Rakam, Vol. 6, Issue 3rd, Samajcharcha Trust

Manabendra Mukhopadhyay

Books

'Ramananda Chattopadhyay: Sardhasatabarshik Smaran'(Jointly Ed.), Santiniketan: Rabindra Bhavana, VB, Boisakh 1424 BS, ISBN: 978-81-7522-656-2.

'Raktakarabi: Chhatrchhatrider Bhavnay' (Jointly Ed.), Kolkata: Parampara, ISBN: 978-93-80869-12-4.

Article in Book chapters

'Bangla Prashnopatrer Bhasha' in 'Bahurupe Bhasha' (4th Vol.), Shyamashree Sengupta (Ed.), Kolkata: Prativas, August 2017, ISBN: 978-93-85393-99-0, pp. 113-118.

'Kabi Ar Sampadak: Starito Samparker Gahantale', 'Ramananda Chattopadhyay: Sardhasatabarshik Smaran' Santiniketan: Rabindra Bhavana, VB, Boisakh 1424 BS, ISBN: 978-81-7522-656-2, pp. 67-79.

'Mela Ar Amader Sonali Dukkhogulo', 'Pousmela : Smritir Safar', Santiniketan: Boiwala, Dec. 2017.

Articles in Journals :

'Tulsidas, Rabindranath, Satinath', Ebong Mushayera, Kolkata:, April-June 2017 , ISSN: 0976-9307. pp. 106-112.

'Trauma, Escape, Dibaswapno: Likhane Ki Ghate ?', Ebong Mushayera, Kolkata:, January-March 2018, ISSN: 0976-9307. pp. 302-309.

'Brahmi Upanishad O Maharshi Devendranather Dharmaprakalpa', Swarantar, Kolkata, January-June 2018, ISSN: 2395-0935. Pp. 106-110.

'Bangla Upanyaser Adarsher Khnoj: Ekti Puratan Tarker Punarobolokan', Jalarka, Kolkata, Boimela 2018, ISSN: 2349-8331. pp. 128-139.

'Bhese Asa Kagojer Nouko', Antarmukh, Burdwan, Ot.-Dec. 2017, ISSN: 2249-3751, pp. 137-142.

'Fagun Haoay Haoay', Shiladitya, Kolkata, July 2017.

Manabendranath Saha

Book

'Chitranaty: Sahityer Natun Bhuvan', Prativas Edition, Kolkata, January 2018, ISBN: 97893-87058-71-2.

Article in Book Chapter:

'Mrinal Sen-er Matir Manish: Samanta Mulyabodh Banam Byakti Mulyabodh', 'Prasanga Mrinal Sen', Ed. by Bibhas Mukherjee, Chalachitra Chetana, Kolkata, May, 2017.

Articles in Journal

'Sunil Gangulir Atmaprakash: Joubaner Boivab O Shuddha Bibek', Natun Krittibas, July-Sept. 2017.

'Dahangatha: Zeb-un-nisa', Masik Krittibas, January, 2018.

'Gulzarer Kabita' (Tr.), Shreemoyee Patrika, January, 2018.

'Akalanka Shashi' (Life of Shashi Kapoor), Masik Krittibas, January, 2018.

Milan Kanti Biswas**Book**

Adwaita Mallabarman: Srasta O Srishti (Ed.), Sahitya Akademi, New Delhi, 2017, ISBN: 978-93-86771-02-5.

Article in Book Chapter

"Kabikankan Chandi Sampadanay Sukumar Sen O Panchanan Mandal" in, Punthi Prajnik Panchanan Mandal: Charcha O Charya, Ed. By Anima Mukhopadhyay et al, Sopan, July 2017, ISBN: 978-93-82433-84-9.

"Loksamskriti Charchay Panchanan Mandal" in Punthi Prajnik Panchanan Mandal: Charcha O Charya, Ed. By Anima Mukhopadhyay et al, Sopan, July 2017, ISBN: 978-93-82433-84-9.

Bankimchandrur Upanyas: Lokayato Oitihya, Bankimchandrur Upanyas: Punnarbikshan, Ed. By Mrinalkanti Mandal, Imprint, April, 2017, ISBN: 978-87 923902-1-5.

Article in Journal

Dui Banglar Janma Shatabarshe Adwaita Mallabarman Charcha, Shreemayee, Sept. 2017, ISSN: 2320-9909

Mrinal Kanti Mandal

"Kathasahityer Kichu Kotha" A Collection of Critical Essays, Published by Debasis Bhattacharya, Bangiya Sahitya Samsad, Kolkata. June, 2017.

Payel Mukherjee

'Unish Shataker Bangla Natak: Prachya O Pashchatya Natyruper Dwandwa O Tarpar', Shreemoyee, June 2017.

Rita Modak

Raktakarabi: Dhanatantra O Shilpayaner Biruddhe Pratibad', Sanshaptak (A peer reviewed journal), ISSN: 2454-4884.

Shreela Basu

Article 'Durgamangal' in 'Banglar Durga, Bharater Durga' edited by Debayan Choudhury. Kolkata: Dey's Publishing, September 2017, ISBN 978-81-295-3134-6.

Sudip Basu

'1946-er danga ebong Bangla Upanyas', Ingit Patrika, Madhya Bharatiya Sahitya Sabha, Gwalior, May, 2017.

'Raktamakha Charantal', Aajkal, 30 July 2017

'Manaswini Nivedita O Tatkalin Yubasamaj', Udbodhon Patrika, 25 Oct. 2017.

'Bangla Sahitya Patrikay Bangabhanga Andolon', Ingit Patrika, Madhya Bharatiya Sahitya Sabha, Gwalior, December, 2017.

'Samakalin Inreji Sahityapatre Bhagini Nivedita', Kolkata Purashree, Boimela 2018.

Others

Amal Kumar Pal Appointed as Director of Rabindra Bhavana (Officiating), Visva-Bharati on Feb. 25, 2018. He is also a Member, VBGVMC, VB.

Aparna Roy took classes as Guest Faculty in the Department of Bengali, University of Calcutta, from April 2017 to March 2018, on Pre-Modern Bengali Literature.

Manabendra Mukhopadhyay is Member of Editorial Board, Kalanukramik Rabindra Rachanavali (6thVol.);

Editorial Board, Rabindra Biksha, VB; BoS, Women's Study Centre, VB; Rabindra Bhavana Advisory Committee, VB; VBGVMC, VB. He is a regular Reviewer in 'Aajkal' (A renowned Bengali Newspaper) and a regular Panelist for discussion at DD Bangla and AIR.

Mrinal Kanti Mandal Member of the Board of Post graduate Studies in Bengali of Burdwan University, Sidho-Kanho-Birsha-University, Purulia and Member of the Board of Research Studies in Bengali Department of the University of Gour Banga.

Designing New Course/ Curriculum or any other teaching innovations introduced by the Department:

The Department has introduced throughout new syllabi for UG level in CBCS format since odd semester of the academic year 2017-18.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

- i. The Department has re-introduced the special paper 'Rabindranath' for the PG (Sem-IV) students.
- ii. Three optional courses were offered to the UG (Sem-VI) students for first time.

Future plans:

- a) We want to explore new knowledge in various fields of Bengali language and literature, Folkloristics, Inter-disciplinary Studies including Music, Film, Art and Architecture, Social History, Philosophy, Translation Studies etc.
- b) We have a plan to set up a Tagore Cell with a view of exhaustive studies on Rabindranath.
- c) We have a plan to introduce online Bangla language course for non Bengali-speaking persons.

Particulars in details of the Departmental Library

- a) Area in (Sq. meters) quoted for the library)
- b) Is there separate provision for Reading Room? : Yes
- c) Total No. of books: 5000 (Approx.)
- d) Total Number of books purchased during the year: NIL
- e) Total Number of Periodicals: NIL
- f) Total Number of Periodicals purchased during the year: NIL

- g) Total Number of Readers: 250 (Approx.)
- h) Total No. Books and Periodicals issued: 40 per day (Approx.)
- i) Total Number of Staff-members (category wise): NIL

Any other relevant information which in the opinion of the Head of the Department is worth-reporting should be included:

Bengali Departmental library is not empowered to purchase books and periodicals directly. These all are monitored by the Central Library of the University. Departmental library should have a minimum provision of purchasing Books, Journals and Periodicals with their priority and urgency. Moreover, the Department would like to emphasise that a permanent librarian is essential for smooth running of the Departmental library system. The Department has been soliciting for a well-equipped Departmental Seminar Library for the last couple of years. However, a thorough stock check process and systematic stacking was made last in the academic year 2016-17.

DEPARTMENT OF ENGLISH & OTHER MODERN EUROPEAN LANGUAGES

Name of the students qualified in UGC/NET/Examinations: 4
Fazle Alam, Rajanya Ganguly, Samim Haider, Anish Bhattacharya

Departmental Seminar:

The Department organized a three day National level Seminar cum-Workshop entitled "Rabindranath Tagore and Translation" under the UGC SAP II programme from 24-26 February 2018. The speakers were Parthasarathi Gupta, Manabendra Mukhopadhyay, Sanghita Sanyal, Sirshendu Majumdar, Thankamani Kutty, Radha Chakravarty, Ritam Mukhopadhyay, Anuradha Ghosh, Deepsikha Ghosh, Swati Dutta, Avishek Sarkar, Ananya Duttagupta, Sutapa Chowdhury, Madhuja Mukherjee, and others.

The department also organized a series of Special Invited Lectures by Visiting Fellows.

13.02.2018 - Dr. Martin Kempchen delivered a lecture on "Rabindranath Tagore and Translation"

20.02.2018 - Professor Blanka Knotkova Kapkova, Prague, delivered a lecture on "Rabindranath Tagore and Translation with special emphasis on the reception of Tagore in the Czech Republic".

18.03.2018 - Professor Santanu Biswas of Jadavpur University, Kolkata delivered a lecture on "What did Rabindranath think of Psychoanalysis?"

19 & 20.03.2018 - Professor Subir Dhar of Rabindra Bharati University, Kolkata (Retd) delivered two lectures on "Rabindranath Tagore: Theory and Philosophy"

22-24.03.2018 - Professor Chidananda Bhattacharya of Rabindra Bharati University, Kolkata delivered the following lectures:

i. 22.03.2018: Open Public Lecture on "Tagore and Whitman: Kindred Sensibilities"

ii. 23.03.2018-24.03.2018: Two lectures on Romanticism I and Romanticism II

Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

As per the UGC directives, Skill Enhancement and Generic Elective courses have been offered under the Choice Based Credit System (CBCS) for the BA classes from this academic year.

Any other relevant information:

The department was earlier called Department of English & Other Modern European Languages. Since this academic year the Other Modern European Languages, having formed their own separate centre, the department is now called the Department of English only.

Seminars/Conferences/Workshops/ Papers Presented by Teachers during the year:

Abhijit Sen

22.04. 2017: Delivered a talk on "Shakespeare on the 19th century Bengali Stage: different faces, different manifestations" at an event organized jointly by the English Study Circle, Kolkata, and Ramakrishna Mission Residential College, Narendrapur, Kolkata.

Amrit Sen

12.06.2017. Delivered two Lectures titled, "Comparative Cultural Studies" and "Cultural Studies in Indian Indenture" at the 12th Refresher Course in Comparative Literature from 9-29 June 2017, organized by the UGC, HRC Development Centre, University of Burdwan.

11.08.2017. Delivered a Lecture at Rabindra Saptaha, Visva-Bharati, titled, "Rabindranath o Bideshi Sahitya" organized by the Karmi Mandali, Visva-Bharati.

12.09.2017. Delivered a Lecture at Gokhale College, titled, "Reading Alexander Pope" organized by the Department of English, Gokhale College.

29.11.2017. Keynote Address in the Faculty of Arts International Research Conference on "The Role of Social Sciences and Humanities in Research for Development" organized by the Faculty of Arts, University of Colombo.. Title "Whither Humanities and Social Sciences?"

21.02.2018. Delivered the First Annual Raja Rammohun Roy Memorial Lecture organized by Raja Rammohun Roy Mahavidyalaya, Radhanagar, titled, "Rabindranather Rammohun" .

Ananya Dutta Gupta

21-22.09. 2017. 'Wisdom versus wit: John Lyly and Early Modern Old Age', Ageing, Ageism and Cultures. National Conference. Department of English, Centre of Advanced Studies, Jadavpur University. Kolkata.

27.10. 2017. Presented a paper titled 'Post-quatercentennial Shakespeare in Millennial Tagoreland', Shakespeare Now. National Seminar. Shakespeare Society of India. New Delhi.

18.11.2017. Delivered an invited lecture titled 'Marlowe's Tamburlaine the Great: Some Reflections', Invited Lecture. English Study Centre, British Council, Kolkata.

03.02.2018. Delivered an invited plenary lecture titled 'Translating the Generic City: From Tagore's Red Oleanders (1927) to Fritz Lang's Metropolis (1927). The City Within: Urbanization and Cultural Responses. State-level Seminar. Departments of English and History, Gokhale Memorial Girls' College, Kolkata.

24.02. 2018. Presented a paper titled 'Tagore's Red Oleanders (1925) and Fritz Lang's Metropolis (1927): Urban Dystopia and Translatability'. Tagore and Translation. UGC-SAP-II sponsored Conference and Workshop. Department of English, Visva-Bharati, Santiniketan.

16.03.2018. Delivered an invited lecture on Translation. Six-month Course in Translation as Skill organized by the Centre for Translation of Indian Literature, Jadavpur University.

Debarati Bandyopadhyay

16.09.2017. Presented a paper in the III International Conference on Medical Humanities organized by the London Centre for Interdisciplinary Research and Interdisciplinary Research Foundation in London, UK. Title "Saving/Creating Life and Ethics: Atwood's Dystopian Literature and Medicine Today." Chaired a Session on "Gender and Identity in Medical Humanities."

21.09.2017. Presented a paper at the International Conference on Dealing with Disasters' organized by the Institute of Hazard, Risk and Resilience, Durham University, UK. Title: "Vulnerability and Humanity: 'Big Dam' Literature"

17.10.2017 Delivered Open Public Lecture at the University of Essex, Colchester, UK. Title: "Sculpting Place/Shaping Minds: Rabindranath Tagore's University (Ecocritical Ideas and Practices)

21.10.2017. Presented a paper in the International Conference on Ecocritical and Environmental Studies organized by the London Center for Interdisciplinary Research and Interdisciplinary Research Foundation at Birkbeck College, London, UK. Title: "Of Rains and Rivers: An Ecofeminist Reading of Cofferdams, The God of Small Things and The Madwoman of Jogare."

10.03.2018. Presented a Paper in the International Conference on Space, Place and Landscape in Literature of the World organized by Society for Multiethnic Literatures of the World (MELOW) at Central University of Himachal Pradesh, Dharamshala. Title: "Topophilia/Topophobia and Terrain Vague :Oryx and Crake Trilogy". Chaired a Session.

14-15.03.2018. Delivered two Invited Lectures as Visiting Fellow organized by the UGC DRS Phase III Programme of the Department of English, Jamia Milia Islamia, New Delhi. Title: "Tagore and Translation" and "Translating Children/Young Adults' Literature: Challenges and Opportunities."

15-16.03.2018 Resource Person in the Two Day National Workshop on Translation organized by Department of English, Jamia Milia Islamia, New Delhi.

Dipankar Roy

10.10. 2017. Chaired a session in a Three-day National Seminar on "Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature" organized by Bhasha-Bhavana, Visva-Bharati in collaboration with Indian Council of Social Science Research, New Delhi and Central Institute of Indian Languages, Mysuru.

02.02. 2018. Chaired a session in a Two-day UGC-SAP National Conference on "Understanding Popular Culture: 20th Century India" organized by the Department of History, Visva-Bharati in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata.

25.02.2018. Chaired a session in a Three-day UGC DRS-SAP (Phase II) National Conference on "Rabindranath Tagore and Translation", organized by the Department of English, Visva-Bharati.

24-26.02. 2018. Participated and translated essays by Rabindranath in a Translation Workshop, organized by the Department of English, Visva-Bharati.

16-17 03. 2018. Participated and translated two essays by Rabindranath in a Two-day Translation Workshop on "Rabindranath's Essays on Sahitya: Translation workshop II", organized by the Centre for Comparative Literature, Visva-Bharati in collaboration with the Centre for Translation of Indian Literatures, Jadavpur University and Project Anuvad (UGC UPE 2: Cultural Resources and Social Sciences).

Gautam Ghosal

04.05.2017. Presented a paper entitled "Sri Aurobindo: Poetry at the Centre of Knowledge". Relevance of Sri Aurobindo and the Grand Visions of the Ancient Indian Wisdom". Hindu University of America, Orlando, USA.

27.08.2017. Delivered an Invited Lecture on "Poetry and Yoga" in Raipur Sri Aurobindo Society, Chhattisgarh.

Saurav Dasthakur

15.04.2017. Presented paper in International Conference on "Nation and Beyond: Interdisciplinary Perspectives" organised by Department of English, University of GourBanga. Title of paper "The Aesthetics of Surplus: Rabindranath Tagore's notion of an alternative modernity in the age of Nationalism."

06.06.2017. Acted as Resource Person in the JUSAS Translation Workshop, organized by Jadavpur University Society of American Studies, Kolkata. Translated several pieces by Agha Shahid Ali, Chitra B. Divakaruni, Meena Alexander, Vijay Sheshadri, Raza Ali Hasan, Dilruba Ahmed and Tarfia Faizullah.

15.09. 2017. Delivered an Invited Lecture in International Conference on "Victoriana" organised by Department of English, University of Burdwan. Title of presentation "Hegel's 'History,' Victoriana and the Tagorean Response."

22.09. 2017. Delivered an Invited Lecture at Department of Bangla, KaziNazrul University, Asansol. Title of presentation "Sahityatattva."

09.11.2017. Acted as panelist in Panel Discussion on "Theorising Marginality" at National Seminar on "Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature" organized jointly by Bhasha-Bhavana, Visva-Bharati, Santiniketan, ICSSR, New Delhi and CIIL, Mysore.

31.01.2018. Delivered an Invited Lecture at Dhrubachand Halder College, 24 Parganas. Title of presentation "The Sociology of Modernism."

24-25.02. 2018. Participated in two-day national-level Translation Workshop on "Rabindranath Tagore and Translation" organised by Department of English, Visva-Bharati, Santiniketan. Translated two pieces by Rabindranath Tagore.

Shaona Barik

23.03.2018. Presented paper entitled " Reclaiming Agency and Exploring Freedom through Participation in Seances : A Study of the Victorian Women's Interest in Spiritualism" in a one day symposium on "Female Suffrage and the Woman Question in Nineteenth Century Britain" organized by the Centre of Advanced Study, Department of English and the Centre for Victorian Studies, Jadavpur University.

Somdatta Mandal

14-15.04. 2017. International Conference at University of GourBanga, Malda on "Nation and Beyond: Interdisciplinary Perspectives". Presented paper "Migrants beyond Definition: The East Indian Bengali Peddlers in the New World."

10.11.2017. Chaired an academic session on 'Autobiography and Travel Narratives' in the National Seminar on "Politics of Difference and (Re)location Marginality: Reflections in Indian Literature" organized by BhashaBhavana, Visva-Bharati from 9-11 November, 2017.

16.11.2017. Delivered invited lecture on "Research Methodology" at the Department of Computer Science and Computer Applications, Indian Statistical Institute, Kolkata.

30.11.2017 - 02.12. 2017. Invited as Lead Facilitator to conduct a 3-day workshop on "Writing Book Reviews" organized by The Dhaka Translation Center and the Department of English and Humanities at the University of Liberal Arts Bangladesh, Dhaka.

3-4.01.2018. International Seminar on "India@70:History and Memories" organized by Department of Humanities and Social Sciences, Indian Institute of Technology, Kharagpur. Made presentation on "Re-interpreting Recent Bengali Films on Partition." Also chaired a session.

15 -17.01.2018. "Mystical Mountains, Magical Rivers: A Festival of North Eastern Folkways" at Agartala organized by the Department of English, Tripura University in collaboration with NEC, Shillong. Invited as Resource Person and delivered Lecture-Demonstration on the Jatra.

20-21.02.2018. Delivered four special invited lectures on Research Methodology and American Literature at the Department of English, Central University of Rajasthan, Kishengarh, Dt. Ajmer.

20-21.03.2018. Delivered two special lectures at the DRS SAP III project as a Visiting Professor in the Department of English, Jamia Millia Islamia, New Delhi.

22-23.03.2018. National Seminar on Tribal and Oral Literature organized by SahityaAkademi, New Delhi. Invited to speak on Orality and Myths and presented paper on "The Multifarious Reception of The Ramayana outside India."

Stuti Mamen

21-22.07.2017. Delivered a lecture in the International Seminar on "Interdisciplinarity: Contemporary Research in Humanities, Social Sciences and Management Studies" organized by the Department of Humanities and Social Sciences, National Institute of Technology Meghalaya. Title of presentation "Preserving People's Past: Representation of Memory in Bye Bye Babylon and 'Tito Years' via Pop Art."

24-25. 01.2018. Delivered a lecture in the International Seminar on "Multiculturalism" organized by the English Literary Circle, Manipur in collaboration with College Development Council, Manipur University. Title of presentation "Whose Culture is it Anyway: A Study of Precolonial and Postcolonial Multiculturalism in the African Context."

21-22.02.2018. Delivered a lecture in the International Seminar on "Frames of Marginality: Interpreting and Interrogating Theory and Praxis" organized by the Departments of English Raja Peary Mohan College Uttarpara and Pandit Raghunath Murmu Smriti Mahavidyalaya. Title of presentation "Of Panels and Margins: The Representation of the Subaltern in the Indian Graphic Novel."

24-26 February, 2018. Participated in a Translation Workshop organised by the Department of English, Visva- Bharati, as part of the UGC DRS-SAP (Phase II) Conference on Rabindranath Tagore and Translation.

Sudev Pratim Basu

14-15.09.2017: Presented an invited Plenary Paper at the National Young Researcher's Conference (YRCON) 2017 on Victoriana organised by the Department of English & Culture Studies, University of Burdwan, West Bengal, titled "'Let Me Entertain You': Popular Culture and Victorian England".

9 - 11.11.2017: Participated as an invited speaker in the Panel Discussion on "Marginality and Difference: Problems and Concerns" at the National Seminar on Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature organised by Bhasha-Bhavana, Visva-Bharati in collaboration with Indian Council of Social Science Research (ICSSR), New Delhi and Central Institute of Indian Languages (CIIL), Mysore, at Visva-Bharati.

24-25.02.2018: Participated in the Translation Workshop as part of the UGC-DRS SAP (Phase II)

conference on Rabindranath Tagore & Translation organised by the Department of English, Visva-Bharati and translated two prose pieces.

13.03.2018: Participated as an invited speaker at the Jadavpur University Society for American Studies (JUSAS) seminar on Magic Casements: Fantasy, Science and Mystery in American Literature and Art at Jadavpur University, Kolkata, and presented a paper titled "From Mandrake to Spectre: Magic in American Comics".

Swati Ganguly

02.02. 2018. Delivered an invited paper on 'Addressing a grave crisis in humanity: Rabindranath Tagore's Nationalism essays in the two day International Seminar 'Commemoration organized by the Department of History, Jadavpur University, 1-2 February 2018.

23.03.2018. Delivered an invited paper/presentation 'Militant Feminists and Uncivil Disobedience: Films on Suffragettes' in the one day National Seminar 'Gauntlet wit a Gift In 'T' organized y the CAS Dept. of English, Jadavpur University and Centre for Victorian Studies, Jadavpur University.

26.03.2018. Delivered an invited talk on the bi-lingual performance of William Shakespeare's A Midsummer Night's Dream, titled 'Midsummer Raater Swapno' by the students of DEOMEL, Visva-Bharati in 2004, in the International Special Lectures Series "From Page to Stage: Literary Texts to Theatre" organized by Bhasha Bhavana, Visva-Bharati, 25-27March 2018.

Tapu Biswas

13.08.2017. Presented a paper on "Badal Sircar from Page to Stage in Marathi" in the International Conference on Translation Studies: Theory and Praxis & Comparative Literature jointly organized by Indian Council of Cultural Relations (ICCR) and Shakespeare Society of Eastern India.

27.01.2018. Presented a paper on Badal Sircar's Ballabhpurer Rupkatha in Hindi in International Conference on Shakespeare, Translation Studies & Comparative literature jointly organized by Indian Council of Cultural Relations (ICCR) and Shakespeare Society of Eastern India.

28. 01.2018 Delivered a lecture on History of Book at Int. Kolkata Book Fair 2018 at Press Corner.

24-26.02.2018. Participated in two-day national-level Translation Workshop on "Rabindranath Tagore and Translation" organised by Department of English, Visva-Bharati, Santiniketan.

Publications by Members of the Department

Abhijit Sen

"Portia's Ring: an 'Indeterminate' Theatrical Sign in The Merchant of Venice", in William Shakespeare, The Merchant of Venice, ed. Lovelina Singh. Delhi: PHI Learning Private Ltd., 2017: pp.155-163.

"Rabindranath Tagore and his notion of 'Theatre as Dance'", in Contemporary Indian Theatre, eds. Ravi Chaturvedi and Tapati Gupta. New Delhi: Rawat Publications, 2017: pp.45-54.

"Bishu Baauley", an English translation of the Bangla short story by Shibshankar Mitra, in Timeless Tales from Bengal: An Anthology of Bangla Children's and Young Adult's Stories, eds. Dipankar Roy and Saurav Dasthakur. New Delhi: Niyogi Books, 2018: 266-279.

Amrit Sen

Books

Basundhara: Rabindranath Tagore on Nature and the Environment. eds. Amrit Sen & Anirban Sircar. Kolkata: Visva-Bharati, March 2018. ISBN: 978817226685

A Confluence of Minds: The Rabindranath Tagore & Patrick Geddes Reader on Education and Environment. Eds. Bashabi Fraser, Tapati Mukhopadhyay and Amrit Sen. Edinburgh: Luath Press, 2017. ISBN: 9781912147250.

Scottish Orientalism and the Bengal Renaissance. eds. Bashabi Fraser, Tapati Mukhopadhyay and Amrit Sen. Edinburgh: Luath Press, 2017. ISBN: 9781912147113.

Translation

"The Smell is Highly Suspicious" in Timeless Tales from Bengal: An Anthology of Bangla Children's and Young Adults' Stories. Edited by Dipankar Roy and Saurav Dasthakur. New Delhi: Niyogi, 2017pp. 375-388.

Article

"The Twice Married Man" in Muse India, Issue 77, Jan-Feb, 2018.

Ananya Dutta Gupta

Translation

Contributing Translator. Timeless Tales from Bengal. An Anthology of Bangla Children's and Young Adults' Stories. Eds. Dipankar Roy and Saurav Dasthakur. New Delhi: Niyogi Books, 2018.

Academic Article in Book

'Tagore's Shey and its Afterlife Today: The Topicality of the English Translation' in Rabindranath Tagore A Concourse: Assays in Art, Literature and Translation. Ed. Debarati Bandyopadhyay. Kolkata: Business Economics, 2018. pp.106-16.

Non-academic Articles in Online Journals

'Malabar Diary: Vignettes from God's Own Country'. Coldnoon Travel Poetics: International Journal of Travel Writing and Travelling Cultures. February 20, 2018. <https://coldnoon.com/magazine/dialogues/essays/malabar-diary-vignettes-from-gods-own-country/>

'India, Ancient and Modern: An Aurangabad and Mumbai Travel Diary'. Coldnoon Travel Poetics: International Journal of Travel Writing and Travelling Cultures. October, 19, 2017. <https://coldnoon.com/magazine/dialogues/essays/india-ancient-and-modern-an-aurangabad-and-mumbai-travel-diary/>

'Muse or Guardian: A Tagorean Catharsis on his Birth Anniversary', Muse India, July-August issue, 2017, <http://www.museindia.com/regularcontent73.asp?issid=74&id=7382>, ISSN 0975-1815.

Debarati Bandyopadhyay

Rabindranath Tagore A Concourse: Assays in Art, Literature and Translation. Editor. Debarati Bandyopadhyay. Kolkata: Business Economics, 2018. ISBN 978-81-934026-5-8.

"Otter Rex" and "Mantu's Master." English translation of two Bengali short stories in Timeless Tales from Bengal: An Anthology of Bangla Children's and Young Adults' Stories. Edited by Dipankar Roy and Saurav Das Thakur. New Delhi: Niyogi, 2018. pp.59-80; 225-237.

Dipankar Roy

Co-edited with Saurav Dasthakur, The Timeless Tales from Bengal: An Anthology of Bangla Children's and Young Adults' Stories. New Delhi, Niyogi Books, 2018. ISBN 978-93-86906-23-6.

Articles/Chapters in Anthologies /Journals/ Newspapers:

"All That is Solid Melts into Air: A Study of Rabindranath's He (Shey)" in Rabindranath Tagore: A Concourse Assays in Art, Literature and Translation ed. Debarati Bandyopadhyay. Kolkata: Business Economics Publication Pvt. Ltd. 2017. ISBN 978-81-934026-5-8. pp. 85-105.

"Indian Renaissance - Western Response: A Study of James Cousins' The Renaissance in India." Apperception Journal of the Department of English Vol VIII. 2017. ISSN 2321-1261. pp. 44-55.
Book Review: "Christine Marsh, Tagore Speaks to the Twenty-First Century" Asiatic IJUM Journal of English Language and Literature Vol 11 No 1 June 2017. E-ISSN 1985-3106.

"Marquez, Macondo ar Mahajagatikek Nihsangota" Natun Krittibas July - September 2017. pp. 222-226.

"Aambaganey Nabinbaron" Rabibason Aajkaal 16 April 2017. pp.1-3.

Gautam Ghosal

Edited a book with Sarani Ghosal Mondal. Indian Responses to Shakespeare. Authorspress, New Delhi, October, 2017.

Saurav Dasthakur

Books:

Minority Voices: An Anthology of Asian-American Poetry in Bengali Translation. Co-edited with Snigdha Sen et.al. Kolkata: JUSAS, 2017.

Timeless Tales from Bengal: An Anthology of Children's and Young Adults' Stories. Co-edited with Dipankar Roy. New Delhi: Niyogi Books, 2018. ISBN: 978-93-86906-23-6.

Articles/ Chapters in Anthologies/ Journals

"The Great War and the Little Voices: Ethnic Self-Fashioning in L. G. Gibbon's Sunset Song" in The Great War and Our Mindscapes: Centenary Essays. Eds. Fakrul Alam et al. Dhaka: writers.ink, 2017, pp. 182-203.

"Notes on Female Sexuality in Othello" in Indian Responses to Shakespeare. Eds. Goutam Ghosal et al. New Delhi: Authorspress, 2017, pp. 231-237.

Book Review of Md. A. Quayum & Md. Mahmudul Hasan (eds.), A Feminist Foremother: Critical Essays on Rokeya Sakhawat Hossain. Asiatic Vol. 11, No. 1, June 2017, pp. 279-86.

"The reluctant imperialist: Colonial discourse and ambivalence in George Orwell's Burmese Days." English Forum (Journal of the Department of English, Guwahati University) Vol. 5, 2017, pp. 145-64.

"Hanta" (translation of Chitra Banerjee Divakaruni's "The Walk"), in Minority Voices: An Anthology of Asian-American Poetry in Bengali Translation. Eds. Snigdha Sen et al. Kolkata: JUSAS, 2017, pp. 24-8.

"Middle-class nostalgia and the Orwellian ambivalence: Notes on Coming Up for Air." Apperception (Journal of the Department of English, Visva-Bharati) Vol. IX, 2017 pp. 96-106.

"Bishwajuddha-madhyabarti somoy o Ingrej bamponthi buddhijibir samkat: Ekatmotarranjnitibishoyedu'charkatha." Birutjatio Patrika Year 4 Issue 2, 2017, pp. 100-05.

Book Review of Charmaine Leung, 17A Keong Saik Road: A Personal Story. Asiatic Vol. 11, No. 2, pp. 125-28.

"Rabindranath Tagore in the 'Conference of Man': Notes Towards "Nationalism in Japan"" in

Rabindranath Tagore: A Concourse. Ed. Debarati Bandyopadhyay. Kolkata: Business Economics Publication Pvt. Ltd., 2017, pp. 64-75.

"The Non-Cooperative" (translation of Manik Bandyopadhyay's "Asahajogi") in Timeless Tales from Bengal: An Anthology of Children's and Young Adults' Stories. Eds. Dipankar Roy & Saurav Dasthakur. New Delhi: Niyogi Books, 2018, pp. 254-60.

"Nature, Music, Memory: Rabindranath Thakur's Songs on Nature." *Caesurae: Poetics of Cultural Translation*. Vol. 2: 2.

Shaona Barik

"Mental Illness of the British Sahibs in Late Nineteenth, Early Twentieth Century Colonial India" *Lapis Lazuli* Vol-17, No:2, Autumn 2017, pp 11-22.

"Journey of the European Occultists to India in Search of Esoteric Knowledge in Late Nineteenth and Early Twentieth Century" *Gnosis*, Vol-14, No: 1, October 2017, pp 111-121.

"Margaret Noble or Sister Nibedita's attempt to explain the goddess 'kali' to the British Children in her Seminal Work *Kali the Mother*" *Heteroglossia* Vol VIII, Special Issue on Children's Literature, 2018, pp 63-71.

Somdatta Mandal

Books:

The Popularity of The Ramayana and The Mahabharata: A Comparative Analysis by Sukumari Bhattacharji. Translated by Tanika Sarkar & Somdatta Mandal. Kolkata: Anustup, 2018. ISBN 978-93-82425-04-5

Gleanings of the Road by Rabindranath Tagore. Translated and edited by Somdatta Mandal from the Bengali original *Pother Sanchoy*. New Delhi: Niyogi Books, 2018. ISBN 978-93-86906-25-0

Onek Sagor Periye (Across Many Seas) by Chitrita Devi. Translated and edited from Bengali by Somdatta Mandal. Bolpur: Birutjatiyo Sahitya Sammilani, 2018. ISBN 978-81-9343305-4-5

Journals:

Apperception: Journal of the Department of English, Visva-Bharati, Volume 8 (July 2017) & Volume 9 (October 2017). Edited by Somdatta Mandal. ISSN:2321-1261

Edited along with Jasbir Jain the special section on 'South Asian Diaspora' in *Asiatic Journal* Vol.11 no.1 (June 2017). <http://journals.iium.edu>

Articles:

An Interview with Avtar Brah. *Asiatic* Volume 11, No. 1 (June 2017): pp.157-167. <http://journals.iium.edu>

An Interview with Himani Banerjee. *Asiatic* Volume 11, No.1. (June 2017): pp.168 - 179. <http://journals.iium.edu>

"Diaspora Studies Now: Where do we go from here?" *The Visva-Bharati Quarterly* Vol. 25 No 4 (Jan 2017 - April 2017): pp.77-86

"Debating, Challenging or Accepting Patriarchy? Assessing Indian Women's Role in Society and Creative Writing" in *The English Paradigm in India: Essays in Language, Literature and Culture*. Eds. Shweta Rao Garg & Deepti Gupta. Palgrave Macmillan, 2017: pp. 49 - 71.

"Drama/Theatre/Film: The Dynamics of Exchange" in Contemporary Indian Theatre: Theatricality and Artistic Crossovers by Ravi Chaturvedi & Tapati Gupta eds. Jaipur & New Delhi: Rawat Publications, 2017: pp.193- 207.

“কালাপানির পরপারেঃ বাঙ্গালির বিলাত ভ্রমণ” [“Kalapanir Poropare: Bangalir Bilat Bhraman”] in Visvabharati Patrika (Magh - Chaitra 1422): pp. 30-40

"Reinterpreting the Bard on the Screen: Whose Text is it Anyway?" in Indian Responses to Shakespeare Eds. Goutam Ghosal & Sarani Ghosal Mondal. New Delhi: Authors Press, 2017, pp.48-61.

"Re-living the Partition in Recent Bengali Films" in Journal of Bengali Studies (ISSN 2277-9426) Vol.6 no.1, March 2018 pp. 143- 152.

Translations:

"Rabindranath Tagore's Hasyakoutuk" in Rabindranath Tagore: A Concourse: Assays in Art, Literature and Translation. Ed. Debarati Bandyopadhyay. Kolkata: Business Economics Publication Pvt. Ltd, 2017. pp.134-149.

Translation of a "Lalu" story by Sarat Chandra Chattopadhyay (81-86); "Chanu the Expert Thief" by Upendrakishore Ray Chaudhuri (47-58); "The Old Woman at the Metro Theatre" by Buddhadeva Bose (261-265) in Timeless Tales From Bengal: An Anthology of Bangla Children's and Young Adults' Stories. eds. Dipankar Roy & Saurav Dasthakur. New Delhi: Niyogi Books, 2018.

Reviews:

"On the South Asian Stage." Review of Islam in Performance: Contemporary Plays from South Asia edited by Ashis Sengupta in 8th Day: The Sunday Statesman, 02 April, 2017. p 3. Reprinted in The Daily Star, Bangladesh on 13 May, 2017.

Review of Gertrude Stein American Modernist: Writing Painting and the Feminist Other by Varghese John. Partridge India, in 8th Day: The Sunday Statesman, 23 April, 2017. p 2.

"The Rushdie Republic." Review of Mapping out the Rushdie Republic: Some Recent Surveys. Edited by Tapan Kumar Ghosh and Prasanta Bhattacharyya. Cambridge Scholars Publishing, 2016 in 8th Day: The Sunday Statesman, 7 May, 2017. p 2.

Review of Gandharvi by Bani Basu and translated by Jayita Sengupta. Orient Blackswan, 2017 in 8th Day: The Sunday Statesman, 28 May, 2017. p 2.

Review of Women and Resistance in Contemporary Bengali Cinema: A Freedom Incomplete by Srimati Mukherjee. Routledge, 2016. in Asiatic Vol.11.1 (June 2017): 265-68.

"Myth of the Ring." Review of The Ring of Truth: Myth of Sex and Jewelry by Wendy Doniger in 8th Day: The Sunday Statesman, 30 July, 2017. p.3. Reprinted in The Daily Star (Bangladesh) on 23 September 2017.

"Lights, Camera, Action." Review of The Cinema of Bimal Roy: An 'Outsider' Within by Shoma A. Chatterji. Sage, 2017 in 8th Day, The Sunday Statesman, 17 September, 2017. p 2.

"Mysticism of Wandering Minstrels." Review of Along Deep Lonely Alleys: Baul-Fakir-Dervish of Bengal by Sudhir Chakravarti. Niyogi Books, 2017 in The Book Review Vol XLI No.9, Sept 2017, p.24.

"Women and the Nobel." Review of Battling Injustice: 16 Women Nobel Peace Laureates by

Supriya Vani. Harper Collins Publishers India, 2017 in 8th Day: The Sunday Statesman, 5 November 2017.p.3.

"Spread of the epic." Review of The Thiri Rama: Finding Ramayana in Myanmar. Edited by Dawn F. Rooney. Routledge, 2017 in 8th Day: The Sunday Statesman, 26 November, 2017. P.2

Review of Satyajit Ray's The Making of Shatranj ke Khilari by Suresh Jindal. Harper Collins India, 2017 in 8th Day: The Sunday Statesman, 24 December, 2017.

Review of South Asian Diasporic Cinema and Theatre: Re-visiting Screen and Stage in the New Millenium. Eds. Ajay K. Chaubey & Ashvin I. Devasundaram. Rawat Publications, 2017 in Asiatic Vol. 11 No.2, December 2017, pp. 144-47.

"Transcending Boundaries". Review of Tagore Beyond His Language Edited by ImreBanga. Primus Books, 2017 in The Book Review Vol. XLI No. 12 (December 2017): p.58

"Far away and long ago." Review of Memoirs of Dacca University 1947 - 1951 by AG Stock. Edited by Khademul Islam. Dhaka: Bengal Light Books, 2017 in 8th Day: The Sunday Statesman, 25 February, 2018. P.2

Review of The Bengalis: Memoirs of a Community by Sudeep Chakravarty, Delhi: Aleph, 2017 in 8th Day: The Sunday Statesman, 18 March 2018.

Sudev Pratim Basu

"The Philosopher's Stone" and "Nyadosh, Our Incredible Cow", short stories by Parashuram and Mahasweta Devi translated into English from the original Bangla with Rimli Bhattacharya, Amrita Dhar and Diya Bandyopadhyay in Dipankar Roy and SauravDasthakur eds. Timeless Tales from Bengal: An Anthology of Bangla Children's and Young Adults' Stories, New Delhi: Niyogi Books, 2018, pp. 98 - 111; pp 339 - 346. ISBN 978-93-86906-23-6.

Swati Ganguly

Review of Arundhati Roy's The Ministry of Utmost Happiness in Asiatic, Vol. II. No.20 December 2017. pp 133-37. <http://journals.iium.edu.my/asiatic/index.php/AJELL/issue/view/47>

'His Nest and his Sky: Rabindranath Tagore, Women and the Idea of Femininity'in Mapping the Path to Maturity: A Connected History of Bengal and the North East. Eds. Bipasha Raha and Subhayu Chattopadhyay. New Delhi: Manohar, 2018. pp 217-234. ISBN 978-93-5098-180-1.

Tanuka Das

"Transvestism or Expediency: A Study of Three Comedic Heroines of Shakespeare". Indian Responses To Shakespeare. eds. Goutam Ghosal and Sarani Ghosal Mondal. New Delhi: Authorspress, October 2017. pp 238-255.

Tapu Biswas

Books:

New Avantgarde Perspective on John Osborne's Look Back in Anger: A Collection of Critical Essays. Eds. Amitava Roy and Tapu Biswas. Kolkata: Avantgarde Press, August, 2017. ISBN: 978-81-928617-0-8 and I have contributed four articles: "John Osborne: Life and Works", "Feminist Approach in John Osborne's Look Back in Anger" "Indian Responses to Look Back in Anger" and "Dejavu: Osborne's Final Play".

Articles/ Chapters in Anthologies/ Journals

"Hindi Response to BadalSircar's Ballabhpurer Rupkatha" in International Journal of Culture Studies and Social Sciences. Vol. VII, No. X. Eds. Amitava Roy et al. Kolkata: Avantgarde Press, November, 2017, pp. 43-58.

"BadalSircar's Saari Raat from Page to Hindi Stage: a Critical History" in International Journal of Culture Studies and Social Sciences. Vol. VIII, No. XI. Eds. Amitava Roy et al. Kolkata: Avantgarde Press, April, 2017, pp. 77-86.

"Anti-Feminism in John Osborne's Look Back in Anger?" in Theatre International. Vol. X. Eds. Amitava Roy et al. Kolkata: Avantgarde Press, 2017, pp. 56-61.

"Absurd Natoker Purbosuri" in Natyachinta. Vol. 36. No. 7-12. Ed. Rathin Chakraborty. May - October 2017, pp. 17-21.

"Two Productions of King Lear in Indian Responses to Shakespeare. Eds. Goutam Ghosal et al. New Delhi: Authorspress, 2017, pp. 79-85.

Others

Amrit Sen served as Editor, The Visva-Bharati Quarterly. He was Chairperson, Organising Committee, International Seminar on "Roadmap for Developing Eco-Tourism in and around Santiniketan" jointly organized by Visva-Bharati, Department of Tourism, Government of India and Department of Tourism, Government of West Bengal from 23-25 March 2018.

Debarati Bandyopadhyay served as International Visiting Fellow at the University of Essex, Colchester, UK. 09-23 October 2017. Project: "Ecocriticism, 'New' Nature Writing, Place and Sustainability: Positions and Comparisons."

Dipankar Roy produced, participated and interviewed Adhir Biswas, an award-winning author of Bangla Children's Literature in a programme on eminent Bangla litterateurs, recorded and aired by All India Radio, Kolkata on 30.05.2017. He also joined as a translator-member in an ongoing project, run by University of Calcutta, of A Dictionary of Bangla Regional Languages, 2018.

Saurav Dasthakur took eleven classes on Literary Theory with Ph. D. coursework students at the Department of Bangla, Kazi Nazrul Islam University, Asansol on 23.08.17, 30.08.17 and 06.09.17. Somdatta Mandal was nominated Member of International Advisory Board of the Diaspora Studies Series which is a new interdisciplinary venture by CoHaB IDC (Constructions of Home and Belonging Indian Diaspora Centre), University of Mumbai, an offshoot of the CoHaB, EU Marie Curie project initiated by the Muenster University, Germany and CASII, the Centre for Advanced Studies in India, Bhuj.

Tapu Biswas completed UGC Sponsored Winter School, 2017 under UGC Refresher Course in the Department of Comparative Literature, Jadavpur University from 6th November, 2017 to 25th November, 2017 on Literature and Other Arts. He also acted as a micro-observer for conducting Joint Entrance Examination held on 23.04.17.

DEPARTMENT OF HINDI

The study of Hindi language and literature became an integral part of Bhasha-Bhavana, Visva-Bharati in 1938. The programme of Hindi study was drawn up under the able guidance of Pt. Hazariprasad Dwivedi. The foundation of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Banarasidas Chaturvedi on 31st January, 1939. The study of medieval Hindi literature and saint literature were of great interest to poet Rabindranath Tagore. At present this Department of learning is carrying on research on modern & medieval literature, comparative literature and Rabindra literature in Hindi Translation. Also undergraduate, post-graduate and M.Phil studies in Hindi literature and functional Hindi as well Certificate & Diploma courses are in the curriculum along with a One year Foreign Casual Course.

Students awarded NET for the year 2017-2018 : Six (6)

Amardeep Singh (M. Phil.), Preetam Rajak (M. Phil.), Madhulika Tiwary (M.A. IIIrd sem.), Sangeeta Roy (Ph. D.), Vikas Kumar Goswami (M. Phil.), Farida Khatoon (M.Phil.)

Departmental Seminar

1 August 2017. 'Tulsi Jayanti' was observed in the Department. The chief orators were Prof. Awadhesh Pradhan, Prof. Champa Singh, Prof. Saroj Singh.

Pt. Deendayal Upadhyay Centenary celebration was inaugurated in the Department. The then vice-chancellor (acting) Prof. Swapan Kumar Dutta addressed the occasion.

4 September 2017. Dr. Govindrajan, Mahamantri, Bhasha-Sargam, Allahabad visited and addressed the students of the Department on the 'Importance of study of Hindi'.

14-15 September 2017. Hindi-Diwas-2017 was observed. Prof. Manikyamba Mani of Hyderabad was felicitated on the occasion, several other dignitaries who attended and delivered lectures on the topic 'Rajbhasha Hindi : Vividh Aayam' were Prof. Ravibhushan, Kameshwar Pankaj, Vijay Kumar Bharty, Rita Sinha, Abhijit Banerjee, Arimardan Kumar Tripathi, Rishibhushan Chaubey, Chakradhar Pradhan and others. A cultural programme also followed the last session.

18 September 2017. Halwasiya Memorial Lecture for the year 2016 was held in the Department in which the noted fiction writer Mrs. Mehrunnisa Parvej (Bhopal) was invited to deliver a lecture on the topic 'Sahitya Aur Samaj.' Dr. Bhagirath Prasad, Member of Parliament (Lok Sabha) was also greeted on the occasion Dr. Prasad spoke on the topic 'Challenges before education'.

23 February 2018. Noted Hindi critic Prof. Ravibhushan visited the Department to deliver a lecture on the topic 'How to read a poem'.

27 February 2018. Hazariprasad Memorial Lecture for the year 2018 in which Prof. Ganapati Subbaiya delivered a lecture on the topic 'Bharatiyata : ek aitihasik Khoj'.

9 March 2018. Devakinand Srivastav Endowment Lecture for the year 2018 was held in the Department in which Prof. Jaiprakash (Chandigarh) delivered lecture on the 'Perspective of Bhakti Movement.'

23-24 March, 2018. National Seminar on the topic 'Chhayawad : Reminiscence and Revaluation' was organized by the Department. Prof. Ravibhushan, Tribhubannath Shukla, Rambahal Tiwari, Krishna Kumar Singh, Rajiv Jha, Manisha Jha, Ramsudhar Singh, Sushil Kumar Sharma, Ashish Kumar Tripathi were some of the eminent scholars from 15 Universities of India who delivered their important lectures.

Conference/Seminar/Workshop etc. where teachers participated

Harish Chandra Mishra

26-27 February 2018. Delivered two lectures at Dindayal Upadhyay Gorakhpur University on the topic 'Creativity of Bhartendu and Human Values and literature'.

29 February 2018. Chaired a National Seminar in the Department of Philosophy, D.D. Upadhyay Gorakhpur University on the topic 'Materialism and Human Mind'.

23 March 2018. Chaired the Inaugural session of the National Seminar of the Department on 'Chhayawad'

7 March 2018. Chaired a session on 'Loksahitya' at NEHU, Shillong on 'Loksahitya and Human Values.'

Rameshwar Prasad Mishra

1 August 2017. Delivered lecture on the topic 'Tulsidas Aur Vartaman Samay' in the Department of Hindi, Visva-Bharati.

29 August 2017. Chaired a lecture programme on Bhagini Nivedita and Swami Vivekanand duly organized by Akhil Bhartiya Sahitya Parishad at Kolkata.

14 September 2017. Chaired a session of Rajbhasha Hindi Diwas Samaroh, Visva-Bharati.

9 November 2017. Delivered inaugural address on the topic 'Politics of Defference and (Re) locating

Marginality: Reflection in Indian literatures' organized by Bhasha-Bhavana, Visva-Bharati.

16 November 2017. Delivered a lecture in a National Seminar entitled 'Sahitya Sanskriti avam vigyan', organized by Hindi Vigyan Sahitya Parishad, Bhabha Atomic Research Centre, Mumbai at Santiniketan .

25 March 2018. Chaired a session on the topic 'Gita ka Vividh Bhashayon Mein Nihit Sandesh' organized by Bhartiya Sahitya Parishad Nyas, Rajghat, New Delhi.

23 March 2018. Chaired a session in 'Chhayawad ki Shatwarshiki' organized by Hindi Bhavana, Visva-Bharati.

28 March 2018. Keynote address at Manipur University, Imphal at the National Seminar 'Purvanchal Mein Bhakti Andolan' sponsored by Kendriya Hindi Sansthan, Agra.

Manju Rani Singh

24 March 2018. Delivered lecture in the National Seminar 'Chhayawad: Sansmriti Evam Revaluation' at Hindi-Bhavana, Visva-Bharati

14 September 2017. Chaired a session of 'Hindi Pakhwara' at CSIR, Durgapur, West Bengal.

6 August 2018. Delivered a lecture on the topic 'Achievements of Nirmal Waliya' at Samarpan Bhavan, Vikaspuri, New Delhi.

5-7 January, 2018. Attended International convention organized by Bharatiya Vidya Mandir, Kolkata. Delivered lecture on 'Bengal mein Hindi ki Sakriyata'.

Chakradhar Tripathi

27 March 2018. Chaired a session delivering a lecture on the topic 'The Contribution of Hindi Poetry

Towards Global Peace' in the Department of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati on the occasion of an International Seminar on Global Peace & Sustainable Development through Language and Literature.

18-19 February 2018. Chaired a session with lecture on the topic 'Buddhist Influence on Hindi Poetry' at International Seminar on Buddhist Influence on Sanskrit organized by Department of Sanskrit, Visva-Bharati.

28 January 2018. Chaired one of session and delivered a lecture on the topic 'Relevance of Ramayana in today's Life: International conference on 'Sanskrit and Sanskritic Indology in South East Asia' by Sanskrit Studies Centre, Faculty of Archaeology, Silpakarn University, Bangkok, Thailand.

Mukteshwar Nath Tiwary

21 February 2018. Delivered lecture on 'Research Methodology' in special lecture series of Department of Hindi, North Bengal University.

10 March 2018. Delivered lecture on the works of 'Father Kamil Bulke' at St. Xaviers College, Ranchi

19 March 2018. Delivered a lecture in the National Seminar of the Department of Hindi, Rabindra Bharati University, Kolkata on the topic 'Kedernath Singh ke Kavya Men Vriddha-Vimarsha'.

23-24 March 2018. Convened two-days National Seminar on 'Chhayawad: Reminiscence and Revaluation' on in the Department of Hindi, Visva-Bharati

28 March 2018. Delivered a lecture on the topic 'Trilochan Shastri ka Kavyattwa' at National Seminar of Vidyasagar University, Midnapore.

Rabindra Nath Mishra

2-4 April 2017. Presented a paper in Eastern India Oriental conference held at North Odisha University, Baripada on the topic 'Purva Bhartiya Bhakti Andolan'.

18-19 February 2018. Presented a paper in the International Seminar on the topic 'Buddhist Influence on Sanskrit in the context of the epics of Kalidasa' held in the Department of Sanskrit, Visva-Bharati.

24 February 2018. Presented a paper on 'The Translating Tagore, Tagore as Translator in the context of Gitanjali' in the UGC sponsored SAP phase-II conference and workshop organized by the Department of English, Visva-Bharati.

24 March 2018. Chaired a session of a National Seminar on 'Chhayawad : Reminiscence and Revaluation' in the Department of Hindi, Visva-Bharati

Sakuntala Mishra

16 November 2017. Presented Hindi version of 'Chandalika' in a National programme by Bhabha Atomic Research Centre, Mumbai at Visva-Bharati.

Subhas Chandra Roy

27 April 2017. Delivered lecture on 'Mahila Sashaktikaran' in a seminar at R.D. Mahila Mahavidyalay, Deoghar.

9 July, 2017. Delivered a lecture on 'Sanskritik Bharat ke Nirman mein Lokmanya Tilak evam Vivekanand' at New Delhi organized by Dinkar Smriti Nyas, New Delhi.

30 August 2017. Attended and delivered a lecture on 'Shivbalak Roy' on his 'Granthawali Lokarpan Samaroh' at Sahibganj.

11 September 2017. Attended and delivered a lecture on 'Bharat Gaurav Diwas' organized by Dinkar Smriti Nyas, New Delhi.

12 September 2017. Attended and delivered a lecture on 'Rashtraprem Utsav' organized by Dinkar Smriti Nyas, New Delhi at Narnaul.

23 September 2017. Delivered a lecture on 'Dinkar Jayanti' organized by Dinkar Smriti Nyas, New Delhi & Barkatulla Visvavidyalaya, Bhopal at Bhopal.

7-8 October, 2017. Delivered lecture in an International seminar entitled 'Folk culture and ethos : A global perspective' organized by Jeevanoday Shiksha Samiti, Ghazipur (U.P.)

12 November 2017. Delivered a lecture in 'Nadi Mahotsav' at Jahanabad, Bihar organized by Falgu Muktidayini Yatra Samiti, Jahanabad

26 October 2017. Delivered a lecture on 'Surya Mahotsav' organized by Dinkar Smriti Nyas, New Delhi at Rajgir (Bihar).

19-20 January 2018. Delivered a lecture on 'Muktibodh ka Sahityik Anadaan' in seminar by Deoghar Pustak Mela.

27 March 2018. Delivered a lecture in the seminar entitled 'Shivmangal Singh Suman : Dharma tatha jivan- gaan' held at Port-Blair, Andaman.

Jagadish Bhagat

Delivered a Lecture on the occasion of National Seminar in Hindi-Bhavana at 'Tulsi Jayanti' 2017.

Delivered a lecture on the occasion of 'Hindi Diwas-2017', at Hindi-Bhavana, Visva-Bharati

24-25 August, 2017. Delivered a lecture in the occasion of 'Method and Instruction in second language teaching', organized by Tamil & Marathi Language Unit of Bhasha-Bhavana, Visva-Bharati.

Arjun Kumar

15 September 2017. Delivered a lecture in the National seminar on 'Rajbhasha' at Bhasha-Bhavana, Visva-Bharati

Shruti Kumud

19-21 February, 2018. Delivered lecture in the National seminar on 'Rahul ki Kahaniyan: Hindi Navjagaran ke sandarbha Mein' at the Department of Hindi, B.H.U., U.P.

23-24 March 2018. Delivered lecture on the topic 'Chhayawad' in the National seminar in the Department of Hindi, Visva-Bharati

Publications:**Rameshwar Prasad Mishra**

'Sahitya ke Nirbhik Yoddha ka Saraswat Anusthan' in the book entitled Viral Saraswat sadhana' Ed: Krupasankar Choubey. Indira Gandhi Rashtriya Kala Kendra, New Delhi.

Harish Chandra Mishra

'Prachinta-Navinta ka antahsengharsh Aur dr. Nagendra ka Acharyatwa'/ Alochana-Dristi' November, 2017-January, 2018/ Dr. Nagendra special volume. Editor : Suil Kumar Manas, volume: 9, ISSN: 2455-4219.

'Kahe ri Nalini tu Kumhilani' in Gaveshana, Agra. Pt. Vidya Niwas Mishra special volume: Editor: Nand Kishore Pandey, K.H.s., Agra 2017, ISSN : 0435-1460

'Bangla Gramya Sahitya Aur Rabindranath' in Swadhinata, Kolkata Sardiya, 2017.

Manju Rani Singh

An article 'Chitrakar Rabindranath Tagore'/ published in 'Rabindra Pratibha'. Editor : Amar Singh Badhan. Abhishek Prakashan, New Delhi, 2017. ISBN : 978-81-8391-241-0

An article 'Rabindranath Tagore ki Sangeet Chetana' published in 'Hindi Chhayawad Aur Rabindranath Tagore'. Hindi Department, Indira Kala Saangeet VisvaVidyalay, Khairagarh, M.P.

An article 'Tulnatmak Sahaitya' Awadharnatmak Vivechan in 'Tulnatmak Sahitya Aur Shodh'. Editor: Amar Singh Badhan. Abhishek Prakashan, Delhi, 2018.

Mukteshwar Nath Tiwary

'Kedarnath Singh ke Kavya Mein Hashiye par ke Log'/ Satrachi/October-December, 2017 volume: 16-17, ISSN:2348-8425

Editorials of Visva-Bharati Patrika/volumes 68, 69, and 55 (reprint) ISSN : 2348-4977

'Muktibodh ki Aalochana-Dristri 'article in book 'Muktibodh kuchh yoon Bhi'/ An anthology of the Department of Hindi, Rabindra Bharati University, Anand Prakashan, Kolkata, 2017.

Rabindra Nath Mishra

'Ek Pal Vartaman': collection of poems/ Translated from Odia to Hindi/publisher: planet V. Cuttack, 2017/ISBN: 978-819-3050-583

An article 'Punya Smaran: Bholanath Mishra' in Visva-Bharati Patrika, volume: 71 Santiniketan.

Sakuntala Mishra

'Parampara ka Satik Bodh'/article in book entitled 'Viral Saraswat Sadhana'/ Editor : Kripasankar Choubey. Indira Gandhi Rashtriya Kala Kendra, New Delhi

Jagadish Bhagat

An article published in 'Ravindra Jyoti' (Tamil) Haryana, on 'Doodhnath Singh :ek Vayaktitya', August, 2017.

An article published in 'Anand Bharati' Deoria (U.P.) on 'Muktibodh ki Kahaniyan' October, 2017.

An article published in 'Dainik Jagaran' Dhanbad on 'Jay Shankar Prasad ke Natak' January, 2018

An article published in 'Bhojpuriya Aman' Deoria (U.P.) on 'Bhikhari Thakur ka Avadan' February, 2018

Some Poems published in 'Vagarth' (Kolkata, West Bengal) May, 2017

Arjun Kumar

Sahityetihaskar Ramswaroop Chaturvedi' / Visva-Bharati Patrika, Santiniketan, volume: 69, July, September, 2017

Shruti Kumud

'Jis Noor se Hai shehar ki Deewar darakshaw' / 'Salkhi' Journal. Editor : Sadanand Sahi, Varanasi/ volume : 27, October, 2017

Ongoing Research Project :

Harish Chandra Mishra

Project name	:	'भक्तिकालीन काव्य में दर्शन की लोकान्विती'
Sponsored by	:	Indian Council of Philosophical Research, New Delhi
Amount	:	Rs. 5,00,000/-

Others

The Department got built two modern wi-fi class-rooms in the premises of Bhavana by the financial assistance of the U.G.C. and the University.

Rabindra Nath Mishra received the 'Hindi-Setu Samman' given by Antarrashtriya Hindi Visvavidyalaya, Wardha for the year 2017-18.

Manju Rani Singh received the 'Sahityakar-Samman' New Delhi.

Chakradhar Tripathi became Member of Central Book Selection Committee and Foundation Committee of R.R.R Library Foundation, Kolkata under the Ministry of Culture, Government of India. He is also member of Fellowship Committee, Ministry of Culture, New Delhi, Government of India.

Designing new course / curriculum :

The department duly introduced the revised CBCS module of U.G & P.G syllabus under study.

DEPARTMENT OF SANSKRIT, PALI & PRAKRIT

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations.

Rimi Chatterjee (NET), Sangita Mondal (NET), Purna Chandra Mondal (NET)

Departmental Seminars

21 June 2017: International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati.

18-19 February 2018, International Seminar on 'Buddhist Influence on Sanskrit', organized by Department of Sanskrit, Pali & Prakrit and Centre for Buddhist Studies, Visva-Bharati.

6-7 August 2017 : National Seminar on Adhunikajivane SanskritaviÅay?, ?mupayogita organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati.

Only International & National Conferences /Seminars/Workshop/ attended by Teachers/ Research Scholars in details.

Narottam Senapati

18-19 February 2018: International Seminar on Buddhist Influence on Sanskrit, organized by the Department of Sanskrit, Pali & Prakrit, Visva Bharati, presented a paper on "Buddhist Influence on Indian Logic".

25-26 October 2017 : National Seminar on The Philosophy of Sri Caitanya, organized by Rastriya Sanskrit University, Tripati, presented a paper on "Influence of ár?caitanya philosophy on contemporary society".

9-11 November 2017 : National Seminar on Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature, organized by Bhasha-Bhavana, Visva-Bharati, presented a paper on "Socially Marginalised ones also can win him over : Perspectives of “श्रीमद्भागवत”

6-7 August 2017 : National Seminar on Adhunikajivane संस्कृतविषयानामापुयोगिता, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, Paper presented on 'श्रीमद्भागवतोक्तपरधर्मस्याधुनिकजीवने उपयोगिता'

Lalita Chakraborty

5 - 6 July, 2017 : Delivered lectures on Origin and Development of Nyaya-vaishesika darsanam and AbhijnanSakuntalam organized by the Department of Sanskrit, Ramakrishna Mission Vivekananda University, Belur, Howrah.

30 August, 2017 : Delivered lecture as a Resource Person on Technical terms of Darsana Sastra at the UGC sponsored 3 days National Workshop organized by Midnapore College (Autonomous) Midnapore.

8 September, 2017 : Talked as Resource Person on भारतीयनाट्यवेदास्त संस्कारनाटकाम at Krishnachandra College, Hetampur, Birbhum.

Arun Ranjan Mishra

4 October 2017: International Seminar on Unpublished Manuscripts in Sanskrit, organized by

Department of Sanskrit & Indian Culture, SCSVMV University, Kanchipuram; presented a paper on "Sanskrit and Prakrit Manuscripts at Fort Jodhpur and Santiniketan - A cursory Glance". Also chaired a session.

15 January 2018 : International Seminar on संस्कृतशास्त्र Literature : Perspectives & Relevance organized by the Department of Sanskrit, University of Calcutta, presented a paper on "Tradition of Yoga and Modernity".

18-19 February 2018: International Seminar on Buddhist Influence on Sanskrit, organized by the Department of Sanskrit, Pali & Prakrit, Visva Bharati; presented a paper on "Buddhist Influence on Sanskrit". Also chaired a session.

15-17 March 2018 : International Seminar on Yoga : Concepts, Theories and Practices, organized by S.P. Pune University; presented a paper on "गौतम एवं बात्सायन" on Yoga". Also chaired a session.

21 June 2017: International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati; paper presented on "चित्तव्रती निरोधा" brief note".

2-4 April 2017 : Eastern Indian Oriental Conference, organized by North Orissa University, Baripada; presented paper on "Society of आनन्दवर्धन as Depicted in "ध्यानलोक"

22 April 2017 : National Seminar on Dr. Birendra Kumar Bhattacharya, organized by Sahitya Academy, New Delhi, at Ramakrishna Mission Residential College, Kolkata; presented a paper on "Felicity of Life in Sacitram Omarakhay?mam of Birendra Kumar Bhattacharya". Also chaired a session.

11 August 2017 : National Seminar on Buddhism and Buddhist Studies: Bengal's Involvement and Contribution, organized by The Asiatic Society, Kolkata; presented a paper on "Narrative of Buddhist-Centric Conflict of Pantheons in Bengal". Also chaired a session.

25-26 October 2017 : National Seminar on The Philosophy of Sri Caitanya, organized by Rastriya Sanskrit University, Tirupati; presented a paper on "Socio-Historic Influence of ár? Caitanya on Medieval Orissa".

9-11 November 2017 : National Seminar on Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature, organized by Bhasha-Bhavana, Visva-Bharati; presented a paper on "Buddha's Antidoes to the Tendency of Social Alienation - A Brief Note".

26-27 November 2017 : National Conference on Perspectives of Yoga, organized by Christ College, Cuttack, Odisha; presented a paper on "S?maveda on Yoga".

26-27 February 2018 : National Seminar on Word and Meaning in Indian Knowledge System, organized by the Department of Sanskrit, Rabindra Bharati University, Kolkata; presented a paper on "Mukula Bhatta and Indian Concept of Word and Meaning".

28 February 28, 2018 : National Seminar on Guru-áishya Parampar?, organized by Sri Sitaram Vaidic Adarsha Sanskrit College, Kolkata; presented a paper on "Tradition of Guru and áisya in the Vedas". Also chaired a session.

6-7 August 2017 : National Seminar on 'आधुनिक जीवने संस्कार विज्ञानेर उपयोगिता', organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati; paper presented on "Modern Utility of Sanskrit Subjects".

Jagat Ram Bhattacharyya

18-19 February 2018: International seminar on Buddhist Influence on Sanskrit, organized by the department of Sanskrit, Pali & Prakrit, Visva Bharati, presented a paper on "Relevance of Buddhism in the context of World Peace".

9-11 November 2017: presented a paper on Characterization of Women in Jain Literature the National Seminar on "Politics of Difference and (Re)locating marginality - Reflections in Indian Literature", organized by Bhasa Bhavana, Visva Bharati.

6-7 August 2017: Chaired a session in the National Seminar on 'आधुनिक जीवने संस्कार विज्ञानेर उपयोगिता' organized by the department of Sanskrit, Pali & Prakrit, Visva Bharati.

10 January 2018. Lecture delivered on Indian Cultural Heritage to the foreign delegates in the Chinese Department of Visva-Bharati.

13-14 March 2018. Delivered lecture on Research Methodology and lecture on Linguistics and development of modern Indian Languages with special reference to Hindi in Jain Vishva Bharati Institute (Deemed University), Rajasthan.

21 March 2018. As a resource Person delivered a lecture on Origin and Development of Prakrit in the Workshop organized by the Department of Sanskrit, Scottish Church College, Kolkata.

Niranjan Jena

21 June 2017: International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati, Santiniketan, Paper presented on "चित्तव्रती निरोधा" brief note".

18-19 February 2018. International Seminar on "Buddhist Influence on Sanskrit", paper presented on "This World and Other world : A Study on Buddhism vis-à-vis Sanskrit tradition", organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati.

27-28 March 2018. International Seminar on "Global Peace and Sustainable Development Through Language and Literature : Dreams and Designs", paper presented on "Vedic Thoughts for Global Peace", organized by Department of Persian, Urdu, Arabic and Islamic Studies, Visva-Bharati. Also chaired a session.

13-14 April 2017. "Human Rights in Vedic Tradition", presented paper in the National Seminar on 'Human Rights and Social Justice' organized by S.C., S.T., OBC, Employees Welfare Association of Visva-Bharati.

29 April 2017, 'A Fresh Interpretation on the Concept of Sacrifice - Yajna', presented paper in the National Seminar on "Vaidika Yajnasvarupavimarsa", organized by Sree Sankara Siksayatana, Delhi.

21 June 2017, "Breathing Techniques in Art of Living" presented paper in the International Yoga Day Celebration, organized by Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati.

6-7 August 2017, Visvasanskrtadivasa-sastriyasamgosthi, "adhunikajivanesanskrt-

visayanamupayogita" presented paper on "adhunikayogevaidikajnanasyaupayogita", organized by Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati.

26-27 November 2017, National Level Conference on Perspectives of Yoga, presented a paper on "Mantra Yoga: A Study", organized by Department of Sanskrit, Christ College, Cuttack, Odisha.

4-6 January 2018, National Seminar on "Influence of Vedic Thought in Modern World", presented a paper on "A Critical Interpretation of the term 'Pasu' used in Sacrifices, Guwahati. Also chaired a session.

Sanjay Kumar Mandal

21 June 2017: International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati. Paper presented on 'योगदर्शने हिंसाया स्वरूपम्'

18-19 February 2018, International Seminar, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati. Paper presented on "Socio-Economic Condition as Reflected in the Bodhisattvaavdanakalpalata"

6-7 August 2017 : National Seminar, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati. Paper presented on "पुराणानामध्ययनस्यावश्यकत"

24-25 August 2017 : National Seminar ,organized by Tamil and Marathi Language Unit, Visva-Bharati. Paper presented on "Method and Instruction in Second Language Teaching (with special reference to Bengali)

Laxmidhar Malik

21 June 2017: International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati, presented paper on "Diet for yoga described in the Puranas".

6-7 August 2017 : National Seminar on Adhunikajivane Sanskrutavishayanamupayogita, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, presented paper on 'आधुनिक जीबने संस्कार विज्ञानेर उपयोगिता'.

2-4 April 2017 : Eastern Indian Oriental Conference, organized by North Orissa University, Baripada, presented paper on "Puskar Niti in the Agnipurana".

24-25 August, 2017 : National Seminar on "Methods and Instruction in Second Language Teaching", organized by Tamil & Marathi Language Unit of Bhasha-Bhavana, Santiniketan, presented paper on "Methods of Sanskrit Language Teaching".

Pritilaxmi Swain

21 June, 2017 : International Yoga Day Celebration, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, presented paper on "The path of yoga in Srimad Bhagavad Gita: A Study".

18-19 February, 2018 : International Seminar on Buddhist Influence on Sanskrit, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati and presented paper on "Development of Buddhism in Sanskrit: A Historical Perspective".

06-07 August, 2017 : National Seminar on 'आधुनिक जीबने संस्कार विज्ञानेर उपयोगिता', organized by

Department of Sanskrit, Pali & Prakrit, Visva-Bharati, presented paper on "Bhasa Shrunkhale Vyakaranam: Vakyapadiyashya Brahmakandadrishtya".

Ram Pramol Kumar

18-19 February 2018: International Seminar on Buddhist Influence on Sanskrit, organized by the Department of Sanskrit, Pali & Prakrit, Visva Bharati, presented a paper on "Buddhist Influence on Sanskrit-mainly effects of Jataka".

Publication within the year April 2017 - March 2018

Lalita Chakraborty

April, 2017: 'आधुनिक संस्कृत साहित्ये दर्शनिका भावनार प्रतिफलन' paper published in Darsaner aloke Sanskrita O bangla sahitya-utsa theke adhunikata (Ed. By Dr. Prabal Kr. Sinha) ISBN 978-93-81245-91-0.

Arun Ranjan Mishra

Books

Post Modernism in the works of P.K. Mishra, ISBN 978-81-933281-0-1, Ed. A.R. Mishra et al, North Orissa University, Baripada, Odisha, 2017.

Articles :

"Poet in Eastern and Western Traditions", published in Tai Praju, Sanskrit Studies Centre with Department of Oriental Languages and Faculty of Archaeology, Silpakorn University, Bangkok, Thailand, ISSN 2586-9671, Ed. Chirapat Prapandvidya and Narasingha Charan Panda, Vol-I, 2017, pp. 167-88.

"Smaveda on Yoga : A Brief Note", published in Souvenir of National Conference on Perspectives of Yoga, Ed. Dola Gobinda Mishra, Department of Sanskrit, Chirst College, Cuttack, Odisha, 2017, pp. 133-38.

"Concept of Pit in the Vedas", published in The Concept of áraddh? in Aryan Culture, Ed. Rabindra Ku. Sahoo, Gopalpur College, Gopalpur, Balasore, Odisha, 2017, pp. 12-15.

Jagat Ram Bhattacharyya

Analysis of Some of the Introductory verses of the Original 'प्रसन्न व्याकरण': A Study of the Manuscript, Brahavidya, The Adyar Library Bulletin, Vol 80, 2016 (Published June, 2017), pp. 19-41.

Sanjay Kumar Mandal

"Relevance of the Gita in Modern Society" - Vidyawarta (International Multilingual Research Journal) Harshwardhan Publication, Limbganesh, Beed, Maharashtra ,431126. Issue-20, Vol -09, Oct. to Dec. 2017, ISSN- 23199318.

Others

Jagat Ram Bhattacharyya taught Prakrit in the 29th Summer School of Prakrit Language and Literature at BL Institute of Indology, Delhi from June 04 -June 25, 2017.

As a Visiting Fellow he also delivered a course of lectures on Inscriptional Prakrit in the Department of Sanskrit, Jadavpur University from Sept.07 - Sept. 12, 2017.

Ram Pramol Kumar participated as a member of Bhasa Bhavana and Vidya Bhavana football

team in the Visva-Bharati Staff Football Tournament 2017-18 at Ashram Ground under the auspicious of Visva-Bharati Sports Board (Playing regular as a Football player in the Bhasha Bhavana Team) Pritilakshmi Swain participated in a Refresher Course at UGC-HRDC, University of North Bengal, West Bengal from 17 January to 6 February 2018.

A Brief history on the development of the Bhavana /Sadana/Vibhaga concerned by the Department.

Rabindranath Tagore in his education system had introduced Sanskrit as compulsory subject in academic curriculum since the inception of Brahmacharya Vidyalaya at Santiniketan in 1901.

Vidya Bhavana came into being from 8th Poush, 1332 (in the last week of December 1925) with Pandit Bidhusekhar Sastri as its Principal. It offered various subjects including Sanskrit, Pali & Prakrit for various Degrees. Vidya Bhavana was more considered as a research institution with wide ramification. In 1972 when all the Bhavanas were restructured, Vidya Bhavana became a Faculty of Arts with 15 Departments including Sanskrit, Pali & Prakrit. The Department came under the newly framed Bhasha Bhavana in 2011. The core teaching of Sanskrit, Pali & Prakrit was accorded the status of a separate and full-fledged Department in 1951 when Visva Bharati was christened as a Central University and an Institution of National Importance. It offers Under-Graduate, Post Graduate, Ph. D., Certificate, Diploma, Advanced Diploma, One Year Course for Foreign Students and Research Programmes etc. in Sanskrit, Pali & Prakrit. The Department introduced Semester system in B.A. (Honours) and M.A. level from 2011-12 session. The Department also introduced M.Phil course in 2014.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

Recitation of memorized sastric verses - a competition was conducted among the students and prizes were given away.

CENTRE FOR ENDANGERED LANGUAGES

Centre for Endangered Languages ('CFEL' in abbreviation) is an independent research Centre established by Visva-Bharati (vide REG/O-R/89(vi), dated 26.5.2014) through an office order based on the UGC Sanction (F. No. 15-6/2012/CU dated 3rd April 2014) of a major national initiative (worth over Rs. 37 Crores) in nine central universities with Visva-Bharati's CFEL as the nodal Centre.

Departmental Activities

Training Program

Training Program-cum-Workshop

Centre organized Training Program-cum-Workshop for Enumerators at Visva-Bharati, Santiniketan on 19th March, 2018. The aim of workshop was to train the scholars from linguistics and get their help in field work for Centre.

Publication

Languages & Cultures on the Margin: Guideline for Field Work on Endangered Languages. Bhubaneswar, Timepass, 2018. ISBN 978-93-87563-32-2.

Other Activities

Conducted language awareness interactions with Kora, Kurukh, Mahali, Birhor and Kharia linguistic groups in the various regions of Birbhum, Bardhaman, Purulia and Bankura districts in West Bengal.

Distributed Basic Primer of Kurux/Orano in Kamardanga village of Birbhum district in Orano community.

Individual Activities

Kailash Pattanaik

Conference/Seminar/Workshop

22.02.2018 Presented a paper entitled "Current folklore Research in the Eastern India' in the national seminar organized by FOSSILS in Karnataka Central University, Gulbarga, Karnataka. Presided over a session on 24.02.18.

07.03.2018 presided over a session in the national seminar organized by Department of Hindi, Presidency University, Kolkata.

10.03.2018 Presented a paper entitled, 'Folklore Research in Odisha ' in the national seminar organized by M S Patel Arts College, Anand in collaboration with Sardar Patel University, Anand, Gujarat.

15.03.2018 Delivered a talk on 'Fakirmohan and His Fiction', in the School of Indian Languages, JNU organized by Adikabi Saraladas Chair for Odia Studies, JNU, New Delhi.

Academic Distinction

Executive body member, FOSSILS (Folklore Society of South Indian Languages, Thiruvananthapuram), (2018-21).

Member, Central Research Committee, Presidency University, Kolkata (2018-2020).

Member, Expert Committee for Syllabus, Adikabi Saraladas Chair for Odia Studies, JNU, New Delhi, 2018.

Extension Activities

Delivered a talk on Eco Criticism in 4(four) classes and on Proppian Structural Criticism in 4(four) classes in the refresher Course organized by the Department of Odia, Sambalpur University, Sambalpur, Odisha during 7-8 August, 2017.

Publication

Mana, Manisha O Mankada in Kadambinee (ISSN 2277-1131), February, 2018.

Bidisha Bhattacharjee

Conference/Seminar/Workshop

04.02.2018. Presented a paper in the National Conference entitled "The Approaches and Methodologies for the study of Indigenous and Endangered Languages" organised by National Law University, Delhi. Title of presentation "Language Revitalization through Oral Tradition."

27.02.2018 Delivered an Invited lecture in the National Seminar cum Workshop entitled "Endangered Languages and Language Documentation in India" organised by University of Calcutta, Kolkata. Title of presentation "Language Documentation, Language Revitalization and Community Awakening: A Case study of Birbhum District."

16.03.2018 Presented a paper in a two-days National Seminar cum Workshop entitled "Broadening the horizon of the current research on Endangered and Indigenous Languages of India" organised by Jadavpur University, Kolkata. Title of presentation "Global and/or Local: Who Am I."

16.03.2018 Presented a joint-paper (Bidisha Bhattacharjee and Arimardan Kumar Tripathy) in a two-days National Seminar cum Workshop entitled "Broadening the horizon of the current research on Endangered and Indigenous Languages of India" organised by Jadavpur University, Kolkata. Title of presentation "Linguistic Migrations in West Bengal: A Case of Birbhum and Burdwan Districts."

Arimardan Kumar Tripathi

Conference/Seminar/Workshop

21.04.2017 Delivered lecture in the National Seminar entitled "Language Technology and Language Teaching" organized by KHS, Agra. Title of presentation "mAnav-mashIn antrAprushth" (Man-Machine Interface).

23.04.2017 Co-organized an academic event entitled "Substantiating Blending and Augmenting Linguistics" in New Delhi at Hindi Bhavan.

13.08.2017. Delivered an Invited lecture in the National Workshop entitled "Languages of North East: Conservation and Promotion" organized by Dera Natung Govt. College, Itanagar. Title of presentation "bhashai sangharsh evam sanrakshan kii rannitiyan : sandarbh purvottar bharat"

15.09.2017 Delivered lecture in the National Seminar entitled "rajbhasha hindi: vividh aayam" organized by Visva-Bharati, Santiniketan. Title of presentation "RAjbhAshA evm takniik".

22.09.2017 Delivered lecture in the National Seminar entitled "Revisiting Indology and Sanskrit in

India" organized by NEHU, Shillong. Title of presentation "Bharat, India and Indianess".

18.11.2017 Delivered lecture in the National Seminar entitled "sAhity, samskruti evam vijnan" organized by BARC, Mumbai at Visva-Bharati. Title of presentation "Adhunik vijnan evam taknik mein bharat ki bhumika"

02.03.2018 Participated in Workshop "Language Documentation and Revitalization" organized by Central Institute of Indian Languages, Mysuru.

14.03.2018 Delivered lecture in the National Seminar entitled "bharatiy bhashaon ki ekatmkata evam vaijnanikta" organized by Hari Singh Gour University, Sagar, M.P. Title of presentation "bhartiyy bhashayen evam taknik ka antraprushth"

19.03.2018 Delivered lecture in the Workshop entitled "Training Program-cum-Workshop for Enumerators" organized by CFEL, Visva-Bharati. Title of presentation "Documenting Marginality: Role of Technique"

21.03.2018 Delivered lecture in the National Seminar entitled "bhasha, samaj evam samskruti" organized by NCERT, New Delhi. Title of presentation "bhashayen evam loktantr"

Publication

"Hindi lexicography in the internet era (co-author)" in The Routledge Handbook of Lexicography, ed. Pedro A. Fuertes-Olivera. U.K.: Taylor & Francis, 2017, pp. 586-598. ISBN: 978-1-138-94160-1

DEPARTMENT OF ODIA

Departmental Seminar:

Seminar on Fakirmohan's Literature

The Department in collaboration with the Fakirmohan Sahitya Parishad, Balasore organized a one day seminar on 22.04. 2017. Exponents on Fakirmohan like Dr.L.K.Tripathy, Dr.Arabinda Giri, Dr.Harish Behera came representing Fakirmohan Sahitya Parishad, Balasore. Papers on the literary specialties' of Fakirmohan were presented. Questions and suggestions were followed. A poetry recital was arranged during this programme. Dr.Sarat K Jena presided over the session and Hrushikesh Mahakhud and Itishree Behera were coordinating the session.

Workshop on Creativity. The Department in collaboration with Sarjanaa India organized a one day Workshop on Creativity on 30.11.2018. Six creative writers' participated in the workshop and spoke about the art of writing creative pieces. A poetry recital was arranged during this programme. Students and staff members along with guests read their poems. Dr.Biswaranjan presided over the session and Hrushikesh Mahakhud and Itishree Behera were coordinated it.

National Seminar (23-24, January 2018)

Subject: Fakirmohan, Indian Renaissance, and Relevance of his Literature

On the occasion of Fakirmohan Senapati, (1843-1918), the first story writer and first social novelist of Odias' 150th.birthday anniversary, the Department of Odia organized a two days National seminar during 23-24, January 2018, on the topic "Fakirmohan , Indian Renaissance, and Relevance of his Literature " in collaboration with CIIL, Mysore. 24 papers were presented in the seminar. Stalwarts on Indian renaissance and Fakirmohan, Prof.Usha Upadhyay of Gujarat Vidyapith, Gujarat, Prof.Dilip Bora of Gauhati University, Assam, Prof. Arun Hota of W.B. State University, Kolkata and Debendra K Dash, L.K.Tripathy, Prof. Krushna Pradhan, Dr.Arabinda Giri et.all from Odisha joined the seminar. Prof.Rameshwar Mishra , Retd.Professor of Hindi. Six Ph.D and M.Phil students apart from three staff members of the department presented their papers in the seminar. Faculties from Bengali, Comparative Literature presented their papers in the seminar. There were intellectual interactions and discussions.

Sarjanaa : A Literary Festival on Odia Literature (11-12 February,2018)

The Department of Odia, in collaboration with Sarjanaa India of Cuttack, Odisha organized a two day literary festival on Odia Literature. About Forty litterateurs of Odisha, both young and senior, participated in the festival. In the inaugural session, Professor Sabuj Koli Sen, Vice Chancellor, Visva-Bharati inaugurated the festival by lighting the lamp and delivered the inaugural speech. She appreciated the effort of the department and welcomed the litterateurs to Santiniketan, the land of Tagore. Prof. Kailash Pattnaik, Head, Deptt. of Odia delivered welcome address. Shri Himanshu K Mohapatra, introduced about the idea behind the festival.

Departmental Weekly Seminar:

In the weekly seminar of the Department, staff members along with colleagues from other department participated and presented papers. Following some of the information regarding this:

21.07.17 Prof.Dharanidhara Sahu, Retd.Prof.of English, Berhampur University, Odisha.

20.03.2018 Ranvir Sumedh Bhagaban, Dept.of Marathi, V.B.

27.03.2018 Dr.Sangita Saikia, Dept.of Assamese,V.B.

Participation of Teachers in Conference/Seminar/Workshop/ during the year:

Kailash Pattnaik

09-11 November, 2017-Valedictory address delivered in the national seminar on Politics of Difference and (Re) Locating Marginality: Reflections in Indian Literature, organized by Bhasha Bhavana, Visva-Bharati,

09.02.2018-Panelist, National Seminar on Sankar Deva and His Times, Assamese Language Unit, Visva-Bharati.

11-12, February 2018 Presented a Paper on "The Art and Crafts of Fiction", in the "SARJANAA" a festival of Odia literature, jointly organized by Odia Department, Visva-Bharati in Collaboration with Srujan India, Cuttack , Odisha.

22-24 February, 2018 -Presented a paper entitled, 'Current folklore Research in the Eastern India' in the national seminar organized by FOSSILS in Central University, Karnataka. Also presided over a session.

07. 03 2018. Presided over a session in the national seminar on Comparative Indian Literature, organized by Department of Hindi, Presidency University, Kolkata.

08-10 March, 2018-Presented a paper entitled, 'A Discourse on the Folklore Research in Odisha' in the national seminar organized by N S Patel Arts College, Anand in collaboration with Sardar Patel University, Anand, Gujarat.

15 March 2018. Delivered a talk on 'Fakirmohan and His Fiction', in the School of Indian Languages, JNU organized by Adikabi Saraladas Chair for Odia Studies, JNU, New Delhi.

Sabita Pradhan

April, 2017 -Delivered a talk on ' Bhashapremi Fakir Mohan' in F.M.University, Odisha.

April, 2017-Delivered a talk on '1980 Parabarti Odia Galpara Naba diganta' in Utkal University, Odisha.

21.6.2017 -Participated in the International Seminar 'Cultural Democracy & Literature' Athens, Greece.

Aug, 2017 -Delivered a talk on 'Sarala Mahabharatare lokadebi ' in Puspagiri College, Jajpur, Odisha.

30.10.2017 -Delivered a talk on 'Tulanatmaka Sahityara Upajogita ' in the Deptt. of Odia, Koraput Central University, Odisha.

03.02.2018 -Delivered a talk in the Seminar 'Origin & Evolution of Odia Language & Literature' in Ravenshaw University, Odisha.

9-10 March, 2018.Presided over a session in the International Seminar 'Sarala Mohabharat' in Ravenshaw University, Odisha.

Manoranjan Pradhan

04.5.2017 -Delivered a talk on 'Pothi Samrakhyana Paddhati ' in the deptt. of Odia , F. M. University, Odisha.

April, 2017- Delivered a talk on' Bhashapremi Fakir Mohan' in F.M.University, Odisha.

April 2017. Delivered a talk on '1980 Parabarti Odia Galpara Naba diganta' at Utkal University, Odisha.

21.6.2017 -Participated in the International Seminar 'Cultural Democracy & Literature' Athens, Greece.

Aug, 2017 -Delivered a talk on 'Sarala Mahabharata lokadebi ' in Puspagiri College, Jajpur, Odisha.

30.10.2017 -Delivered a talk on 'Tulanatmaka Sahityara Upajogita ' in the deptt. of Odia, Koraput Central University, Odisha.

03.02.2018 -Delivered a talk in the Seminar 'Origin & Evolution of Odia Language & Literature' in Ravenshaw University, Odisha.

9-10 March, 2018 Presided over a session in the International Seminar 'Sarala Mohabharat' in Ravenshaw University , Odisha.

Pramila Patulia

09-10 March, 2018 - International Seminar on 'Sarala Mahabharata' held at Ravenshaw University, Cuttack, presented a paper on "The Religious Influence on Sarala Literature"

22-23 January, 2018 - National Seminar on 'Fakirmohanka Indian Renaissance and Relevance of his Literature" held at Department of Odia, Visva-Bharati, in collaboration with CIIL, Mysore, presented a paper on "Fakirmohanka Mohanimantran Kavitare Mrutyuchetana".

Sarata Kumar Jena

06 -09 July 2017 - Presented a Paper named " Odia Lokabhangi" in Fourth National language Conference organized by Institute of Odia studies and Research, Bhubaneswar at NIST, Berhampur, Odisha.

08 July 2017- Present a paper about "Contemporary Odia Drama" in an Induction Training Class organized by Khalikote University, Brahmapur, Odisha.

30 July 2017 - Presented a Paper named " Asahaya manisha O Manabikatara sparsha" in a National Seminar on Hundred Years birth Celebration of Rajkishore Pattanayak organized by Odisha Sahitya Akademi, Bhubaneswar at Baxibazar, Cuttack.

24- 25 August 2017. Presented a paper named ": second language teaching : Odia perspective" in a National Seminar on "Method and Instruction in second language teaching" organized by Tamil & Marathi Departments, Bhasha Bhavana, Visva-Bharati.

31 August 2017 - Presented a Paper named " Ekabinsa Satabdire dakhina odisharu prakasita patrapatrika" in a National Seminar on "Odia Sahityara bikasare prakasita patrapatrika" organized by Department of Odia, Berhampur University, Odisha.

21 December 2017- Delivered a talk as a Chief Speaker in a National Literary Festival at Bhubaneswar organized by Athena Books, Bhubaneswar.

22 - 23 January 2018. Presented a paper named "Champa eka Phula nuhen : Nianjhula" in a National Seminar on "Fakirmohan, Indian Renaissance and relevance of his literature" Organized

by Department of Odia, Visva-Bharati.

11-12 February 2018. Presented a Paper "Poetry Writing: Art and Craft" in the "SARJANAA" a festival of Odia literature organized by Odia Department, Visva-Bharati in collaboration with Srujan India, Cuttack , Odisha.

Rabindra Kumar Das

26.05.2017-Presented a Paper in National Seminar entitled 'Fakirmohan's Writings on The Light of Contemporary World Criticism' organized by 'All Odisha Association of English Studies' at Balasore, Odisha on 'Revisiting Fakirmohan in the Light of World criticism.

17.09.2017 -Presented a Paper entitled 'Contextual Criticism and Fakirmohan, on Fakirmohan Srusti Baichitrya' organised by Odisha Sahitya Academy and F.M Sahitya Parisada, Balasore, Odisha.

21.01.2018. Present a Paper entitled 'Fakirmohan and His Writing Stretchability', organised by Deptt. Of Odia,V.B in collaboration with CIIL, Mysore at Bhasa Bhavana V.B.

2.2.2018-Present Paper on Stylistics Approach in Fakirmohan's Writings' in International Literary Festival at Bhubaneswar, Odisha

3.2.2018 -Presented a Paper entitled 'Odia Lexicographies From 1710 to 2014' in the National Seminar at Ravenshaw University with collaboration with CIIL, Mysore.

12.2.2018 -Present a Paper entitled 'A Comparative Musical and Lexical Study' between Sankardev true of Odisha in the National Seminar organized by Assamese Deptt.VB at Bhasa-Bhavan.

9.3.2018-Presented a Paper entitled 'Post Structural Translation Theory and Sarala Mahabharata' at Ravenshaw university, Odisha on International Seminar on Sarala Mahabharata.

On-going Research Project

Centre of Excellence

Name of the Project	Tribal Literature and Language
Sponsoring Agency	Ministry of Tribal Affairs, Govt. of India
Amount Sanctioned	Rs.2.93,00,000/-
Duration of the project	3years

Completed first phase.

Extension Activities:

- i) The Odia Deptt. actively participated and opened a stall at Ananda Mela at Natyaghar, Visva-Bharati. The students prepared a food stall in the Mela and sold Odia dishes. This was highly appreciated.
- ii) A picnic was organized 23rd. of February, 2018. All the academic and non-academic staff members along with students and scholars participated and enjoyed the picnic.
- iii) An issue of 'Spandana', wall magazine was published with the writings of students, scholars and staff members of Odia Department.
- iv) The students of the Deptt. staged a skit named SUNABOHU, original story of Fakirmohan Senapati, and dramatized by Sasmita Parida, a student of MA IV semester, on the occasion of Fakirmohan's 150 Birth Ceremony. It was directed by Dr. Sarata Kumar Jena and Music directed by Dr. Rabindra Kumar Das.
- v) The students of the Deptt. staged a drama: "ACTOR" written by Arabinda Ray, on occasion of Sarjanaa: A festival of Odia literature in Department of Odia, Visva-Bharati, in collaboration

with Srujana India, Cuttack, Odisha on 23, February,2018. It was directed by Dr. Sarata Kumar Jena and Music was directed by Dr. Rabindra Kumar Das. The theme of the performance was based on social issues.

- vi) The students of the Deptt. presented a Patriotic song on the occasion International Mother Language Day organized by Bhasha Bhavana, on 21 February,2018. They sang the song by wearing traditional Sambalpuri sarees, which symbolically represented Odisha. The song was appreciated by one and all.
- vii) Gandhi Punyah was observed in the traditional way on 10th.of March by cleaning the whole departmental building and its surrounding. The students of the department showed their spirit and worked hard.
- viii) Dr. Sarata Kumar Jena as Quiz master, organized two sessions of Literary Quiz to develop literary skill of the students.

Others

Kailash Pattnaik delivered a talk on Eco Criticism in 4(four) classes and on Proppian Structural Criticism in 4(four) classes in the refresher Course organized by the Department of Odia, Sambalpur University, Odisha during 7-8 August,2017. He is Executive body member, FOSSILS (Folklore Society of South Indian Languages, Thiruananthapuram), (2018-21);

Member, Central Research Committee, Presidency University, Kolkata (2018-2020); Member, Expert Committee for Syllabus, Adikabi Saraladas Chair for Odia Studies, JNU, New Delhi, 2018.; Member, Departmental Board, Department of Folklore, Kalyani University, Kalyani.(2017-2020).; Member, Board of Studies, Department of Indigenous Culture and Folklore, Central University of Jharkhand, Ranchi, Jharhkhhand. 2017-2020.

Sarata Kumar Jena received Kalinga Literary Youth Award-2017 from KLF group on 20 June 2017. He received Kathakalika Youth Award-2017, for story writing from Kathakalika, Bhubaneswar on 01, March 2018. His Interview was live telecast in Kalinga TV, Bhubaneswar, on 13.06.2017. He is also Editor, Sahitya: Brahmapur, Odisha, October,2017 and Chairman, Anyatra , Santiniketan, October, 2017.

Rabindra K Das was an Associate Editor of the Divya Unmilana , Pondicherry a Quarterly Literary and Spiritual Journal. He is Associate Editor in 'ANURANAN' Published at BBSR, Odisha. He is Paper Reviewer at SJSJ an ISSN Journal published in ParalaKhemundi, Odisha.

Publications by the teachers during the year

Kailash Pattnaik

Paribeshbadi Samalochana, in Pratibeshi, (ISSN 2456-8031), October, 2017

Fakirmohan O Michel Madhusudan, in Satyabadi, January, 2018

Mana, Manisha O Mankada, in Kadambinee(ISSN 2277-1131), February,20 18

Sabita Pradhan

'Odia Upanyasare Dalita Chetana ' in 'Nabapatra'Rourkela, March-April, 2018.

Pramila Patulia

'Odia Dhagadhamali O Prabhad Prabachane Lokasiksha', Abhijatriferi, Folklore Education & Research journal, Page 37-41, Special Issue No. 29 July-Sept., 2017 (ISSN 2231-2862)

'Odia Sarala O Panchasakha Sahityare Jagannathanka Boudha Mudranka', Anneshawana journal, Page 9-10, Issue no- 10, January, 2018 (ISSN- 2320-4133)

Sarata Kumar Jena

Book: Badaluthiaba Samparkra Manachitra,(Short story), June 2017, Athena Books,(ISSN NO: 81-903558-9-9)

Research Paper:

"Asahaya Manisha O Manabikatara sparsha: Rajkishore Pattanayakanka galpara Antranirjyasa"- Shree Sahitya, Bhubaneswar, October, 2017.

Kabisurjyanka sahita eka ramaniya ratira smruti- Manisha,Bhubaneswar, Puja Issue, October 2017. Prayopanyasa prekshyapattare " Pan Bidi Sigret" - Sahitya Godhuli, Bhubaneswar. Jan-March 2018, ISSN- 2455-8192.

Lokabhangi- Jhankar, Cuttack, February-2018.

Rabindra Kumar Das

Book: Uttar-Adhunika Samalochanabadara Kathagadare Odia Sahitya,2017,Prachi Sahitya Pratisthana,Cuttack, ISBN 81-7394-019-3

Research Paper:

Sampratika Odia Natakare Loka Upadana, P-30 to 37, Oct, 2017, Jugashree Juganari, , Balasore, Odisha, ISSN 2456-0804

Saili o Sailibigyana : Eka Prayogika Bimarsa, p-27 to 28,Jugashree Juganari, Balasore, Odisha, ISSN 2456-0804

Gitabhidhana : Eka Akalana Nabarabi, Special Issue -2017, Cuttack, Odisha

Tapaswini Kabyara Sita Prasanga, 2017, Sahitya bahika, Fakirmohan Sahitya Parisada, Balasore, Odisha.

Paribesha Kaindrika Samalochana Pariprekhire Odia Kabita, Puja-Issue, Istahara, oct 2017, Bhubaneswar, Odisha.

Sampratika Biswa Samalochana ebam Odia Sahitya- Anweshan, Keonjhar, Odisha, ISSN 2320413

Departmental Profile:

The Department is at present 70 years old. It is always engaged in study and research. Many scholars have joint government institutions as academic staff in last two years. Students show their talent in different academic tests. The department organizes weekly seminar in each academic session. The department also arranges extension lectures, inviting colleagues from different departments. Apart from all these one annual seminar of national character is organized every year. The department also publishes one research journal "Visva-Bharati Journal of Odia 'Visva-Bharati Dipika'", every year.

DEPARTMENT OF ARABIC, PERSIAN, URDU & ISLAMIC STUDIES

Brief history of the Department & future plans for development:

Towards broader scope of rapprochement among different religious ideologies and better understanding among different schools of thoughts, the inceptions of the Dept. of Islamic Studies, a research-oriented department was meant to move towards the realization of the desired goal of Gurudev Rabindranath Tagore. With passage of time some more courses were introduced to become a full-fledged Dept. of Arabic, Persian, Urdu & Islamic Studies. At present the courses run in the Dept. of Arabic, Persian & Urdu at certificate, Diploma & Advanced Diploma level as well as Persian Language & Literature at Undergraduate & Post Graduate level. The Dept. conducts researches in the fields of Arabic, Persian, Urdu and Islamic Studies giving more emphasis on finding common humanistic elements of composite culture that may lead towards better understanding among the people of diverse ideologies.

Departmental Seminars:

27-28 March 2018. International Seminar on the central theme entitled: "Global Peace & Sustainable Development through Language & Literature: Dreams & Designs."

29 March 2018. International Conference in collaboration with "All India Persian Teachers' Association," Delhi on the theme entitled: "Contribution of Persian Language & Literature to the Indian Subcontinent with special reference to Bengal".

15 July 2017. Special lecture on the topic entitled: "Rabindranath Tagore and Perso-Arab World" was delivered by Prof. Isharat Ali Molla, Dept. of Arabic & Persian, University of Calcutta.

Participation of teachers in Seminars/Conferences/Workshops during the year:

Niaz A. Khan

30 January 2018. Delivered a lecture on "The Genesis and Development of Modern Persian Poetry" in the Dept of Comparative Language and Literature, Visva-Bharati.

Mohammad Faique

20-22 November 2017. Participated and presented a research paper entitled "Social values and unique Culture in Turkey" in the International Seminar on "9th International Turkish Folk Culture Congress" organized by Congress Science and Evaluation Board of Turkey held at Ordu, Turkey.

9-11 November 2017. Chaired a session in the National Seminar on "Politics of Difference and (Re) locating Marginality: Reflections in Indian Literature" organized by Bhasha-Bhavana, Visva Bharati in collaboration with Indian Council of Social Science Research, New Delhi & Central Institute of Indian Languages, Mysore.

9-10 February 2018. Participated and presented a research paper on "Sufi Movement and Sankardeva's Philosophy: A Message of Humanism and Unification." in the National Seminar on "Srimanta Sankardeva and His Times" organized by Assamese Language Unit, Bhasha-Bhavana, Visva-Bharati.

19-21 June 2017. Participated and presented a research paper entitled "Essence of Yoga and Namaz: Universalism and Spritualism" in the International Seminar on "Yoga: Buddhist and other Ancient Indian Systems" organized by Centre for Buddhist Studies, Visva-Bharati, in collaboration with Dept. of Sanskrit, Pali &Prakrit, Visva-Bharati.

Wasif Ahmad

16 April 2017. Participated and presented a paper titled "Allama Shibli Nomani as a Persian scholar, poet and critic of 19th& 20th century Indian sub- continent" in the seminar organized by Iran Society, Kolkata.

11 September 2017. Participated and presented a paper titled "Humanism in Persian literature with reference to some prominent Persian poets" in the seminar organized by Oriental College, Patna.

28-30 December 2017. Participated and presented a paper titled "The Poet-laureate of Mughal Emperor Akbar: Shaikh Abul Faiz Faizi" in the 78th session of the Indian History Congress at Jadavpur University, Kolkata.

8-10 February 2018. Participated and Presented a Research paper entitled "Age old Indo-Iran ties" in the International Seminar held at the Dept. of Persian, Gauhati University, Guwahati, Assam.

10-12 March 2018. Participated and Presented a Research paper entitled "Gulistan e S'adi: an encyclopedia of morality, ethics and wisdom" in the International Seminar organized by Institute of Persian Research, Aligarh Muslim University, Aligarh, U.P.

14-15 March 2018. Participated and Presented a Research paper entitled "Amir Khusraw: A literary giant and a genius" in the national Seminar held at the Dept. of Persian, University of Mumbai, Mumbai.

27-29 December 2017. Participated and presented a paper titled "Obaidullah Obaidi: a celebrated Persian poet of 19th century Bengal" in the academic session of International Congress of All India Persian Teachers Association at Visva-Bharati.

Atiqur Rahman

27- 28 March 2018. Presented a paper titled "The Role of Literature in Society with Special Reference to Persian Literature." at the International Seminar organized by Department of Arabic, Persian, Urdu & Islamic Studies, Visva- Bharati on "Global Peace & Sustainable Development Through Language & Literature; Dreams & Designs"

29 March 2018. Presented paper entitled "Five Principals of Calcutta Madrasa & their contributions to the Persian Studies" at the XXXVth All India Persian Teachers' Association Conference organized by Department of Arabic, Persian, Urdu & Islamic Studies, Visva- Bharati.

9-10 February 2018. Presented paper entitled "Srimanta Sankardeva as a Social Reformer and Religious leader" at the National Seminar organized by Assamese Language Unit, Bhasha Bhavana, Visva- Bharati on central theme of "Srimanta Sankardeva and His Time."

9 January 2018. Presented paper entitled "Persian influence in Bengali Language and Literature in Medieval Bengal's History" at a two-day National Seminar at SS College Assam organized by Department of Persian in collaboration of Annual Milad Function on Influence of Persian on the local dialect and Culture of Barak Valley (Assam)"

6-7 November 2017. Presented paper in Persian entitled "Mirza Abdul Qadir Bedil Dehlaviwa

Sabk-e-Hindi" at Two-day International Seminar at Ghalib institute, New Delhi, in collaboration with Ghalib Institute, Persian Foundation of India and Bedil Foundation, Tehran on "Persian Literature during the Later Mughals (1707-1857).

11-12 November 2017. Presented paper in Urdu entitled presented: "Moin Ahsan Jazbi: Shkhsiyat Aur Fun" at a two day National Seminar at St. John's College, Agra, organized by Fakhrudin Ali Ahmad Memorial Committee, Lucknow, on central theme of "Moin Ahsan Jazbi: Shakhs Aur Shayer."

24-25 August 2017. Presented a paper in English entitled "Second and Foreign Language Teaching Method" in a two day National Seminar at the Tamil & Marathi Units, Visva-Bharati, in collaboration with Central Institute of Indian Languages Manasagaotri, Mysore, Ministry of Human Resource Development, Dept. of Secondary & Higher Education, Govt. of India on "Method and Instruction in Second Language Teaching."

Abdulla Molla (Guest Teacher since April 2017)

30-31 March 2018. Participated and presented a research paper entitled "Prominent Islamic Learning Centre under the Mughals: A Case Study." in the International Seminar on "Development of Art, Literature, Culture and Science Under the Mughals in India" organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati in collaboration with Rumi Foundation Trust, Santiniketan.

9 -11 November 2017. Participated and presented a research paper entitled "Vision of Nazik al-Malaika and her focus on social evils in Arabic literature." in the National Seminar on "Politics of Difference and (Re)locating Marginality: Reflections in Indian Literature" organized by Bhasha-Bhavana, Visva-Bharati in collaboration with Indian Council of Social Science Research, New Delhi & Central Institute of Indian Languages, Mysore.

16 December 2017. Participated and presented a research paper entitled "Children's raising in the light of Prophet's biography" in the International Seminar on "Biography of Prophet Mohammad (PBUH)" organized by the Arabic Alumni Association, Dept. of Arabic & Persian, University of Calcutta, Kolkata.

9-10 February 2018. Participated and presented a research paper entitled "Mahapurush Srimanta Sankardeva and GiasuddinAulia (Saint): A Message of Social Harmony." in the National Seminar on "Srimanta Sankardeva and His Times" organized by Assamese Language Unit, Bhasha-Bhavana, Visva-Bharati with financial assistance of Government of Assam.

27-28 March 2018. Participated and presented a research paper entitled "The role of Arab Women in building Global Peace" in the International Seminar on "Global Peace & Sustainable Development through Language & Literature: Dreams & Designs" organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati.

29 March 2018. Participated and presented a research paper entitled "Contribution of Department of Arabic, Persian, Urdu and Islamic Studies to the Persian Language and Literature" in the International Conference on "Contribution of Persian Language & Literature to the Indian Subcontinent with special reference to Bengal" organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati.

Masroor Soghra (Guest Teacher since June 2017)

9-11 November 2017. Participated and presented a research paper entitled "Vision of Rashid Jahan and marginalization of Muslim women education" in the National Seminar organised by Bhasha-Bhavana, Visva-Bharati in collaboration with Indian Council of Social Science Research, New Delhi and Central Institute of Indian Languages, Mysore.

16-18 December 2017. Participated and presented a research paper entitled "Urdu marsiyanigarimeinHindu shorakikhidmat" in the International Seminar of Rampur Raza Library on Contribution of non-Muslims to Islamic studies in India" .

27 -28 March 2018. Participated and presented a research paper entitled Urdu adabmeinkhwateenqalamkarkiadbi o qalmitarjihathat on "Global Peace and Sustainable Development Through Language and Literature: Dreams and Designs" organised by Department of Arabic, Persian Urdu and Islamic Studies, Visva- Bharati.

10 February 2018. Participated and presented a research paper entitled: "Wehshat Kalkatavi as a Urdu Poet" in the one day National seminar on "Wehshat Kalkatvi -Hayat - o - Funn" organised by West Bengal Urdu Academy at Maulana Abul Kalam Azad Auditorium (WBUA),Kolkata.

Publications during the year:

Niaz A Khan

Published book entitled:" Tarana-ha-e-Tagore" (Persian translation of Tagore's songs) published by Sparrow publication, Kolkata.

Mohammad Faique

Edited a book entitled "Development of Art, Literature, Culture and Science Under the Mughals in India"ISBN: 978-81-926703-2-4, published by Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati & Baiwala, Kolkata, in 2018.

Published a Research paper entitled "Social Values and Unique Culture in Turkey" in "Global Vision" (An International Peer Reviewed Quarterly Journal), Volume -I, during January - March, 2018, brought out by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati.

Atiqur Rahman

Published a book entitled "History of Epic Writing in Persian" by Sparrow Publication, Kolkata-14, 2018, (ISBN: 978-81-89140-65-6)

"Sufism and Rise of Fraternal Orders in Indian Sub-Continent."Seminar proceeding book on the topic of Development of Art, Culture, Literature and Science under the Mughals in India." Edited by Dr. Mohammad Faique, Published by Department of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati 2018, page no.87-99, (ISBN: 978-81-926703-2-4).

Published Research paper entitled: "Persian Influence in Bengali Language and Literature in Medieval Bengal's History" (English), in an International Peer Reviewed Refereed Quarterly Literary Research journal for Persian Literature, DABEER, June-September 2017, Vol. IV, Issue-II &III-page no.10-17, Dabeer Hasan Memorial Library Kakori, Lucknow, U.P. (ISSN: 2394-5567)

Wasif Ahmed

Published a Research paper entitled "Mystic-Humanistic Thoughts of Maulana Rumi" in the journal titled "Journal of Islamic History & Culture of India "volume-IV, 2015, ISSN- 2347-8187, Published

by the Dept. of Islamic History & Culture, University of Calcutta, Kolkata.

Published a Research paper entitled "BedilDehlavi: Yaki as peshravan e Sabke Hindi" in the volume of papers, volume-I, ISBN- 978-93-84876-81-4, Published by the publication division, Aligarh Muslim University, Aligarh in 2017.

Published a Research paper entitled "The poet laureate at the court of Mughal emperor Akbar: Ghazali Mashhadi" in the volume of papers, ISBN- 978-81-926703-2-4, Published in 2017 by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati .

Abdulla Molla (Guest Teacher since April 2017)

Published a research paper entitled "Prominent Islamic Learning Centre under the Mughals: A Case Study""Development of Art, Literature, Culture and Science Under the Mughals in India" edited by Mohammad Faique ISBN: 978-81-926703-2-4, published by Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati & Baiwala, Kolkata, in 2018.

Published a research paper entitled "International Arabic Language Day" in 'Samkalpo' Biannual Journal, Published from Birbhum Santiniketan, ISSN 2347-8888, Volume- VIII, September, 2017.

Published a research Paper entitled "Syekh Muhammad Abduh and his Newspaper Services", in "Global Vision"(An International Peer Reviewed Quarterly Journal), Volume-I, during January-March 2018, brought out by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati. Also co-editor of the journal.

Published a research paper entitled "Influence of Arabic on Persian Language and Literature" in 'DABEER' (An International Peer Reviewed Quarterly Literary Refereed Journal for Persian Literature), S. No: 13, ISSN - 2394 - 5567, Volume -5, Issue- 5, during January - March, 2018, Dabeer Hasan Memorial Library, Lucknow, U.P.

Masroor Soghra (Guest Teacher since June 2017).

Published Urdu Afsana entitled:"Nuskha" in Naya Daur Lucknow magazine in the month of June 2017.

Published Azad Nazm in Naya Daur Lucknow magazine in the month of January 2018.

Others

Dr. Mohammed Faique served as Editor of an International Peer Reviewed Quarterly Journal, entitled "Global Vision", Volume -I, during January - March, 2018, published by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati. He is undertaking two ongoing projects on i) Significance of Ethical Values in Education and ii) Mysticism of Rumi: Ways towards Truth. He also attended and participated in the CBSE-UGC-NET Workshops from 5-10 January 2018 and 28 August-2 September 2017 at Noida (U.P.) He is serving as Nodal Officer since 27-10-2016 at Visva-Bharati to scrutinize, validate and approve the students' records for submission of online application regarding various scholarships for minority students.

Atiqur Rahman participated in 3 Weeks Refresher Course in Arabic/ Islamic Studies/ Persian/ Theology/ Urdu at UGC Academic Staff College, (HRDC), Aligarh Muslim University, Aligarh, U.P., from 24/10/2017 to 15/11/2017. He is conducting ongoing project on Selection and analysis of the Persian articles of Ma'arif, journal of Darul Musannefin, Azamgarh from the beginning to 2013. He was also coordinator of International Seminar and presided over the VI Academic Session of

the International seminar on "Global Peace & Sustainable Development through Language & Literature; Dreams & Designs" organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati on 28 March, 2018.

Wasif Ahmed presided over an Academic Session of International Congress of All India Persian Teachers Association at Visva-Bharati held from 27-29 December, 2018.

Abdullah Molla was Syllabus Designer and Arabic Learning Materials Developer for the different courses of the Department of Arabic, Persian Urdu and Islamic Studies, Visva-Bharati. He is a member of All India Persian Teachers' Association, Delhi. He also participated and performed in Cultural Programme in the International Seminar organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati from 27th-28th March, 2018.

Masroor Soghra participated as a Urdu poet in mushayera organised by Hajj committee in Kolhootola, Kolkata. He also participated as a Urdu poet in khwateenmushayera organised by organised by West Bengal Urdu Academy held on 24th January 2018 at in Urdu Book Fair (WBUA), Kolkata.

Designing New Course/ Curriculum or any other teaching innovations introduced

Atiqur Rahman has prepared special Urdu Learning Materials for the courses of Certificate and Diploma in Urdu for the Department of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati for the session 2017-2018.

Extension activities/NSS/Cultural and other activities organized by the Dept. and participated by the Teachers and students of the Department

Supervising and Screening of Persian Films as well as Persian animation films on every alternate Saturday for the students of B.A. (Hons) and M.A. Persian in the Seminar Hall of Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati since 04/02/ 2017.

DEPARTMENT OF INDO-TIBETAN STUDIES

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations.

Rajeev Kumar (NET), Debajit Chatterjee (JRF)

Only International&National Conferences /Seminars/Workshop/Exhibition etc. attended and by Teachers / Research Scholars in details.

Sanjib Kumar Das

12 August, 2017. One-Day International Conference on "Spread of Buddhism in Bengal and A Survey of Buddhist Archaeological Sites: Past and Present" organized by ICPR Centre for Buddhist Studies, Department of Philosophy, Jadavpur University in collaboration with Bodhi-Nidhi Social Welfare Cultural Association, Jadavpur. Participated and paper submitted on "Contribution of Bengali Buddhist Acharyas in the Spread of Buddhism in Tibet".

31.12.17 - 01.01.18. Participated in two-day International Conference on "Concept of Consciousness in Indian Philosophy" organized by the Central Institute of Higher Tibetan Studies, Sarnath.

8 May 2017. One-Day National Seminar on 'Relevance of Meditation in Daily Life' organized by The Department of Pali, University of Calcutta in association with The Mahabodhi Society of India & The Bengal Buddhist Association, Kolkata. Participated and presented paper on "Mahayana Doctrine: An Outline of Meditation".

23 June 2017. One-Day National Seminar on "One Hundred Years of the Publication of Caryagitikosa" organized by The Asiatic Society. Participated and presented paper on "Caryagitikosa: A Cultural Aspect".

19-21March 2018. Three-Day National Conference on "Buddhist Education) organized by Central Institute of Himalayan Culture, Dahung, A.P. Participated and paper submitted on "Concept of Buddhist Education: A Study".

Shedup Tenzin

15-16 September 2017. Presented paper on Bh?vankrama (Stages of Meditation) of ?c?rya Kamala??la (713-763 AD) of Ancient N?land? University: An Overview at the on International Conference on Religion, Literature and Culture, organized by the Higher Education and Research Society held in Pune.

13-15 October 2017. Paper presented on "Significance and Contribution of the three Periods of Kay Cad (bkas bcad)" at the 17th Annual Conference organized by Indian Society for Buddhist Studies at Sanchi University of Buddhist-Indic Studies, Barla, Raisen (M.P.).

23-25 September 2017. Paper presented on "Sanskrit Manuscripts in Tibet: A Lost Treasure of Ancient Nalanda", at the National Seminar entitled Manuscripts of Bihar Enrich the Asian Buddhism, organized jointly by National Mission for Manuscripts, New Delhi and Manuscript Resource Centre, Nava Nalanda Mahavihara, Nalanda (Deemed University) at Nava Nalanda Mahavihara Nalanda, Bihar.

8 May 2017. Paper presented on "Meditation on Parting from the Four Attachments" at the One day National Seminar on "Relevance of Meditation in Daily Life", organized by the Department of Pali, Calcutta University in association with The Mahabodhi Society of India and The Bengal Buddhist Association (Bauddha Dharmakur Sabha), Kolkata.

6-7 August 2017. Presented paper on "Sanskrit Studies in Tibetan Monasteries and Academic Institutions" at the National Seminar on Adhunikjivane Sanskritvishayanamupayogita organized by the Department of Sanskrit, Pali and Prakrit, Visva-Bharati.

Prakriti Chakraborty

7-9 September 2017. Presented a paper on "Assimilation and Dissent in Various Tibetan Buddhist Sects" in the Three Day International Conference on "Buddhism: Traditions, Ideologies and Dissent" organized by School of Buddhist Studies and Civilization, Gautam Buddha University, Greater Noida.

Sonam Zangpo

18-19 February, 2018: International Seminar on "Buddhist Influence on Sanskrit", organized by Dept. of Sanskrit, Pali & Prakrit, Visva-Bharati, in collaboration with the Dept. of Centre for Buddhist Studies, V-B, Santiniketan, presented a paper on 18th February 2018 on title 'The Dhammapada: A Classical Literature of Buddhism'.

18-19 August, 2017: International Seminar on "Vision of Rabindranath Tagore on Co-operative Society and Community Development" organized by Visva-Bharati Co-operative Credit Society LTD & Dept. of Lifelong Learning & Extension (REC), Visva-Bharati, Santiniketan. Presented a paper entitled 'Co-operative System and Modern Education: A Buddhist Perspective' on 18th August, 2017.

14-15 September, 2017: National Seminar on "Rajbhasha Hindi: Vividh Aayam", organized by the Dept. of Hindi Bhavana, Visva-Bharati, Santiniketan, presented a paper on 'Hindi ke Dwara Bhoti Bhashaka Bharat mein Vikas' on 15th September, 2017.

Anandamayee Ghosh (Guest Teacher)

13-15 October 2017. Delivered a lecture on "Buddha's Teaching (in respect of Mahayana Practice) as Practice in Day to Day Life in Perspective of Tibetan Buddhism" at 17th Annual Conference organized by Indian Society for Buddhist Studies at Sanchi University of Buddhist-Indic Studies, Barla, Raisen (M.P.)

Manotosh Mondal (Guest Teacher)

15-16 September 2017. Presented paper on "Did Buddha Preach Religion with reference to the Buddhist Literature as Come Down?" at the on International Conference on Religion, Literature and Culture, organized by the Higher Education and Research Society held in Pune.

18-19 February 2018. Presented a paper on "The Indebtedness of Tibetan Culture and Language to Sanskrit" at the International Seminar on Buddhist Influence on Sanskrit organized by the Department of Sanskrit, Pali and Prakrit, Visva-Bharati in collaboration with Centre for Buddhist Studies, Visva-Bharati.

13-15 October 2017. Paper presented on Concept of Time in Buddhist Thought with reference to Trikala Pariksha of Dignaga" at the 17th Annual Conference organized by Indian Society for Buddhist Studies at Sanchi University of Buddhist-Indic Studies, Barla, Raisen (M.P.)

23-25 September 2017. Paper presented on "An Introduction to Nalanda Mahavihara Manuscripts Presentation with reference to Shantarakshita", at the National Seminar entitled Manuscripts of Bihar Enrich the Asian Buddhism, organized jointly by National Mission for Manuscripts, New Delhi and Manuscript Resource Centre, Nava Nalanda Mahavihara, Nalanda (Deemed University), at Nava Nalanda Mahavihara Nalanda, Bihar.

22-24 February 2018. Paper presented on "Perception in Four Different Buddhist Schools" at 12th National Dialogue on the topic of Perception organized by the Department of Philosophy, Nalanda Mahavihara, Nalanda (Deemed University), Nalanda, Bihar.

6-7 August, 2017. Presented a paper on "Morphic Forms of Sanskrit Terms in Tibetan: Past and Present." at the National Seminar on Adhunikjivane Sanskritvishayanamupayogita organized by the Department of Sanskrit, Pali and Prakrit, Visva-Bharati.

Ongoing Research Projects in the Department

Anandamayee Ghosh: Translation project on Rabindranath Tagore's Adhunik Sahitya into Tibetan Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

31 August 2017. Dr. Jasbir Chawla who is by profession a Metallurgical Engineer has done his Ph. D. on Elements of Management in Jataka from Panjab University, Chandigarh delivered a lecture on "Buddhist Way of Management-The Secret of Jataka" at Bhasha-Bhavana.

4-6 November 2017. Shedup Tenzin performed a Tibetan flute melody and directed a group of student to perform traditional Tibetan dance during the 23rd anniversary of Srijana Utsav at Srijanbhumi (Manbazar II), Purulia organized by Purulia Sanskriti Kendra, Purulia. Dr. Manotosh Mandal coordinated the dance.

Others

Shedup Tenzin participated at the National Workshop on Research Methodology from August 21-27, 2017 at Allahabad; organized jointly by Allahabad School of Education, Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad and the Department of Humanities and Social Sciences, Motilal Nehru National Institute of Technology, Allahabad. He was also President for the Valedictory Function of the International Conference on Religion, Literature and Culture, organized by Higher Education and Research Society held on 16th September, 2017 at Dnyansagar Institute of Management and Research, Pune.

Sanjib Kumar Das was appointed as a Guest Lecturer for the Department of Buddhist Studies, C.U. for a period of one year w.e.f. April 2017.

Anandamayee Ghosh (Guest Teacher) was appointed the External Board of Studies Member of for moderating M.A. paper, Nava Nalanda Mahavihara, (Deemed to be University), Nalanda, Bihar.

Manotosh Mandal (Guest Teacher) participated in the UGC sponsored Short Term Course on Gender Sensitization held on and from July 11th to 17th, 2017 organized by Human Resource Development Centre, University of Burdwan. He also participated in the National Workshop on "Research Methodology Course in Social Science", organized by A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati, from 1st to 10th November, 2017.

Norbu Gyaltsan Negi participated in three weeks Refresher Course in Summer School (ID) from September 05-25, 2017 at UGC-HRD, Centre for Professional Development in Higher Education, University of Delhi, Delhi.

Sonam Zangpo Participated 10 day Workshop on "Research Methodology Course in Social Science", organized by A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati from 1-10 November, 2017.

Publications within the year

Sanjib Kumar Das

Books

[tr. & ed.]. Asta-Doha-Kosha, New Delhi: Aayu Publications, 2017; ISBN: 978-93-85161-81-0

[tr. & ed.]. Indo-Tibetan Literature, Delhi: Buddhist World Press, 2017, ISBN: 9789380852799

Female Buddhist Personalities in Buddhism, Delhi: Buddhist World Press, 2017, ISBN: 9789380852805

Articles in Journals

Kumar, Bimlendu [ed.]. "Interpretative and Definitive Aspects of Buddhavacana", Dharmadoot, Sarnath: Mahabodhi Society of India, 2017, ISSN-234-3482

Shedup Tenzin

Derivation and Loan Words in Classical and Modern Tibetan Language: An Overview, Published in International Journal of Current Research and Modern Education (IJCRME), International Refereed Research Journal, 18th June, 2017. ISSN: 2455-5428, Impact Factor: 6.725, Perambalur, Tamil Nadu.

A research article entitled "Development of Buddhist Art in Tibet: An Overview", page no. 306-326 in the book entitled "Facets of Temple Culture- Perspectives on Religious and Social Traditions in Early Medieval India" Edited by K. Mavali Rajan, Remya V.P. and Sarita Khettry, ISBN: 978-93-86463-06-7 is published by Kaveri Books, New Delhi, 2018: pp.306-326.

Sonam Zangpo

A research article entitled "Tibetan Monastic Culture and Its Impacts on Social Institutions: General Perspectives" in the book entitled "Facets of Temple Culture- Perspectives on Religious and Social Traditions in Early Medieval India" Edited by K. Mavali Rajan, Remya V.P. and Sarita Khettry, bearing the ISBN: 978-93-86463-06-7 published by Kaveri Books, New Delhi 2018. Pp. 298-305.

A research article entitled 'Buddhist Culture and Monasteries in Paldar (Paddar): A Study' in the Journal of University of Jammu entitled "RESEARCHER- A Multidisciplinary Journal" Vol. XIII No.2, Edited by Prof. Vinay Chauhan. ISSN: 2278-9022 published by the University of Jammu, 2017: pp. 164-173.

A Research paper entitled 'S?kyapa ??san K?l (13th-14th century) Ke Kuch Pradh?n Vidw?n Evam Lotsawa: Sa?gshipt Vyatittva Evam Kritittva' in a book entitled Lad?kh Prabh?-19 and under the title "The Distinctive View, Meditation and Discipline of Sakyapa Order", Edited by Khenpo Konchok Rigzen, R.O. ISBN: 978-9383802-08-1 published by Central Institute of Buddhist Studies (Deemed University), Choglamsar, Leh-Ladakh, (J&K) 2017.pp.355-368

A research article entitled 'Kadampa School and Elite Scholars in Tibet: Brief Introduction', in the book entitled "Candr?k?ar?" (Prof. K.C. Acharya Commemoration Volume) Edited by Prof. Aruna Ranjan Mishra and Dr. Sashibhusan Mishra bearing the ISBN: 978-81-86359-55-9 published by Dept. of Sanskrit, Pali & Prakrit Visva-Bharati, Santiniketan & The Banaras Mercantile Co. Kolkata 2017. Pp 120-134.

Norbu Gyaltzen Negi

Pachimottar Himalay me: Adivasi Bhasha, Sahitya Aur Sanskriti, Dr. Sneh Lata Negi (ed.), Vikalop Prakashan , Delhi, 2017. pp.53-61. ISBN: 978-93-82695-68-4.

Manotosh Mandal

A research article entitled "The Mahabodhi Temple: An Aesthetic Indo-Myanmar Collaboration Culture Design" in the book entitled "Facets of Temple Culture- Perspectives on Religious and Social Traditions in Early Medieval India" edited by K. Mavali Rajan, Remya V.P. and Sarita Khettry, with bearing the ISBN: 978-93-86463-06-7 Kaveri Books, New Delhi, 2018. Pp 327-343.

A Brief history on the development of the Bhavana/Sadana/Vibhaga concerned by the Department.

Gurudeva Rabindranath Tagore dreamt and favored to open educational institutions for learning and researches on various aspects of Buddhism through languages like Sanskrit, Pali, Chinese and Tibetan. The invitation of Sylvain Levi (1863-1935) in 1921 to Santiniketan may be termed as the starting of scientific studies on Indo-Tibetan Studies at Visva-Bharati. After the departure of Prof. Levi, Buddhist studies were conducted at Santiniketan by Vidhusekhara Shastri, P.C. Bagchi, Sujit Kumar Mukherjee, Aiyaswami Shastri, Shanti Bhikkhu Shastri, P.V. Bapat, Tan Yun San, G. Tucci, M. Winternitz, Ven. Sonam Ngodup, Ven. Geshe Thubten Rablag, Rev. Angi Wangdi, V.V. Gokhle, Angarika Govinda, C.R, Lama, Suniti Kumar Pathak, Lama Chimpa and many other erudite scholars from India and abroad. With time Visva-Bharati became a leading international center for research on Indo-Tibetan Studies and Buddhism. In 2003, the Department celebrated its Golden Jubilee, which was inaugurated by His Holiness the XIV Dalai Lama.

Objectives of the Department envisioned by Prof. P. C. Bagchi

To promote systematic study and investigation of Indo-Tibetan Cultural relations down the ages
To arrange for study of Tibetan Culture in general and Indo-Tibetan Buddhist studies in particular
To restore the lost Sanskrit texts preserved in Tibetan translation

To make Tibetan texts available in translated versions both in Indian and foreign languages
To promote research in the Indo-Tibetan field through exchange of information with other cultural and scientific bodies in India and abroad engaged in similar research
To publish monographs containing results of study and research undertaken by the staff and students of the department
To train Tibetan scholars in the study of Sanskrit and Pali texts and Sanskrit scholars in the study of Tibetan texts
To provide for a course in Classical and Modern Tibetan language leading to a Certificate of Proficiency followed by an advanced course leading to a diploma in the same subject
To establish a Research Library and Museum to cover the Indo-Tibetan Studies field.

DEPARTMENT OF SANTALI

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Anjali Kisku, Baburam Hembram, Gopinath Tudu- UGC-NET

Departmental Seminar (Speakers, Title of the Seminar, Date)

17 March, 2018. "Speech Technology for Resource Indian Language"(STeSLI-2018).

Speakers: Prof. Abhijit Sen, Prof. Kailash Pattanaik, Prof. Tapan Kumar Basu, Prof. Saibal Chatterjee, Mr. Jayanta Basu, Asst. Prof. Dhaneshwar Manjhi, Asst. Prof. Thakur Pd. Murmu, Ms. Sarbajita Banerjee, Dr. Swanirbhar Majumdar, Ms. Manoni.

Only national and International standard Conference/Seminar/ Workshop / attend by the Teachers/ Research scholars in details.

Sanat Hansda

16 -17 December, 2017: Attended the two day workshop on "Santali Terminology" organized by Paschim Banga Santali Academy at TDCC, Kolkata.

Dhaneshwar Manjhi

29 May, 2017: Guest of 16th Annual Conference of Piralia Sadhu Ramchand Club, Reg. No. S/IL/27940 ESTED-2005, at Piralia Primary School, Village-Piralia, P.O.-Rakab, P.S.-Hura, Dist-Purulia (WB).

24 June, 2017: Guest of 7th Annual Conference of Singe Maha Sohet Umul, Reg. No. S/IL/77131 ESTED-2005, Village-Boro, Dist-Purulia (WB) at Kutni Community Hall.

9 August, 2017: Chief Guest of International day of the World's Indigenous People Conference of Village-Gurai, Dist-Birbhum (WB), organized by Bharat Jakat Majhi Pargana Mahal, Birbhum at Guraipur Adivasi Para Mukta Mancha, Birbhum.

20 August, 2017: Chairperson of CBSE, organized by Bharat Jakat Majhi Pargana Mahal at PSB, Community Hall, Sriniketan, Birbhum.

24 August, 2017: Presented a paper on the topic 'Second Language Teaching Theory: Santali Prospective' in two days National Seminar "Method and Instruction in Second Language Teaching" organized by Tamil & Marathi Language Units of Bhasha Bhavana, Visva-Bharati on 24th -25th August-2017 at Bhasha Bhvana.

16 October, 2017: Presented a paper on the topic 'Santali Language and Grammar' in three days orientation Programme organized by Majhi Pargana Trust, Raghunathpur, Jhargram, W.B. from 16-18 October-2017 at Keshiapata G.M. High School, Keshiapata Sankrail (Rohini Chiaya Paray Muluk), Jhargram, W.B.

28 January, 2018: Chief Guest of 1st International Conference of Juwan onoliya (An Association for Progressive Santali Writers) in "Santali Literature", office-Dabanki Press, Karandih, Jamshedpur and presented a paper on the topic 'Hasya kavita in Santali literature' at Sundernagar, Jamshedpur.

17 March, 2018: Joint Convener in one-day workshop on "Speech Technology for Low-resource Indian Languages (STeSLI-2018), in collaboration with CDAC, Kolkata and Department of Santali,

Bhasha Bhavana and presented a paper "'Speech Technology for Low-resource Santali Languages' at Bhasha-Bhavana, Visva-Bharati.

29 March, 2018: Chairperson and presented a paper at UGC Sponsored one-day National Seminar on "Danshay"- 'A Santal Cultural Memorable Event in Present Perspective' organized by Department of Santali, Vidyasagar University, Midnapore, W.B.

Dukhia Murmu

15 September, 2017. Presented a paper on the topic "Adivasi bhashao ki samasya: Samadhan evam Vikash" at one day National Seminar 'Rajbhasha Hindi Divash' on "Rajbhasha Hindi: Vividh Ayam" organized by Hindi Department, Visva-Bharati.

Mansaram Murmu

15 September, 2017: Presented a Paper on the topic "Paschim Bangla re tayom akan hor kowag Soma ar Sikhnat Bebest" at two day International Seminar "Society, Education and Literature of the Backward Classes of West Bengal" organized by Department of Education, Jadavpur University, Kolkata jointly with Byanjanbarna Foundation , Kolkata.

24 April, 2017. Presented a paper on the topic "Sanatari Upanayas reyag Gun ko" at Two days National Seminar "Santali Upanayas ki Pravritiyan" organized by Sahitya Akademi, New Delhi and Jaher Than Committee, Jamshedpur, Jharkhand at Tribal Culture Society , Jamshedpur, Jharkhand.

Ramu Hembrom

24 April, 2017: Presented a paper on "Somai Kisku ag gamma re Tirla-ag churit" at two-day National Seminar "Santali Upanayas ki Pravritiyan" organized by Sahitya Akademi, New Delhi and Jaher Than Committee, Jamshedpur, Jharkhand on 23th -24th April- 2017 at Tribal Culture Society , Jamshedpur, Jharkhand.

9 August, 2017. Delivered Keynote Address of International day of the World's Indigenous People Conference of Village-Gurai, Dist-Birbhum (WB) organized by Bharat Jakat Majhi Pargana Mahal, Birbhum at Gurapur Adivasi Para Mukta Mancha, Birbhum.

17 March, 2018. Chairperson in one-day workshop on "Speech Technology for Low-resource Indian Languages (STeSLI-2018), in collaboration with CDAC, Kolkata and Department of Santali, Bhasha Bhavana, and presented a paper "'Speech Technology for Low-resource Santali Languages'.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

- (i) The Santali Department actively participated and opened a stall 'Ananda Bazar' organized by Karmi Sabha, Visva-Bharati. Stall name was 'Sibil-Sorom' and Student Team Leader was Dr. Dhaneshwar Manjhi.
- (ii) Participation of all students of Santali Department in NSS and Gandhi Punnaha.
- (iii) Participation as student volunteers of Santali Department at Poush Mela and Dol Utsava.

Publications within the year April 2017-March 2018

Dhaneswar Manjhi

'Uni Chekay Kusiyag-a'- (Poetry) in Sabarnakhar dui dhare-(Magazine), Edited by Subhomoy Roy.

Mansaram Murmu

Asa Magazine- 2017-18: Poetry "Gorom Haram" Published by All Santal Students and Staff Association, Visva-Bharati, Santiniketan, W.B

Tapan Soren

Umul Magazine 2018: Essay "Sadhuramchand Murmu Jion ar Saohet" in Quarterly Santali Magazine January to March-2018.

Others

Dhaneshwar Manjhi received award on 30 June, 2017: Sambardna of Bibhum District Backward Class. On 14 September, 2017 he received First Position in Ansubhashan Competition organized by Rajbhasha Hindi Cell, Visva-Bharati. He is Chairperson of CBSE, Funded by Bharat Jakat Majhi Pargana Mahal on behalf of Majhi Pargana Trust, Raghunathpur, Jhargram, W.B.; member of Equal Opportunity Cell, Visva-Bharati, Member of Paschim Banga Santali Academy; Editor- Asha Magazine and Sub-Editor- Akhara

Tapan Soren participated in 86th Orientation Programme, UGC, Human Resource Development Centre, Ranchi University, Jharkhand from 15 March- to 11 April, 2017. He also participated as a Expert/Resource person in the workshop for the 'Preparation of Santali Script Book" organized by Eastern Regional Language Center, Laxmisagar, Bhubaneswar, Odisha from 5-9 February, 2018.

DEPARTMENT OF MARATHI

Departmental Seminar (Speakers, Title of the Seminar, Date)

24 -25 August 2017. Organized two days National Seminar by Marathi & Tamil Departments collaboration with Central Institute of Indian Languages, Mysore. Title of the Seminar is "Method and Instruction in Second Language Teaching."

Only national and International Standard Conference/Seminar/ Workshop / Exhibition etc. attend by the Teachers/ Research scholars in details.

Ranvir Sumedh Bhagwan

14 -15 September, 2017. Presented a paper on the topic "Raaj Bhasha Hindi Vividh Aayam" in two days National Seminar organized by Hindi Bhavana, Visva-Bharati.

9 -10 February, 2018. Presented a paper on the topic "Maharashtratil ke Warkari Sant aur Srimant Shankardev" in two days National Seminar organized by Dept. of Assamese, Bhasha-Bhavana, Visva-Bharati.

27 -28 March 2018. Presented a paper on the topic " Bhumandalikaran aur Marathi Kavita" in two days international Seminar organized by Dept.of Arabic,Persian,Urdu & Islamic Studies, Bhasha-Bhavana, Visva-Bharati on "Global Peace & Sustainable Development Through Language and Literature" Also co-chaired a session.

9 -11 November 2017. Coordinator of three day National Seminar organized by Bhasha-Bhavana, Visva-Bharati. Seminar Title is "Politics of Difference and(Re)locating Marginality: Reflection in Indian Literature"

25 -27 March 2018. Coordinator of three day National Seminar organized by Bhasha-Bhavana, Visva-Bharati. Title of Seminar "From Page to Stage: Literary Texts to Theatre"

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

1. Vice-Principal of Bhasha-Bhavana
2. Holding the post of In-charge, Marathi Dept.
3. Programme officer of the NSS Unit, Bhasha-Bhavana.

Publications within the year April 2017-March 2018

Published Special Issue 2017 (BOOK) of GAST (Marathi literary magazine) this issue dedicated by "Chatrapati Sambhaji Maharaajanche Buddhabhushan"

DEPARTMENT TAMIL

Departmental Seminar(Speakers ,Title of the Seminar, Date)

21 August 2017. Prof.G.Subbiah, "Understanding Classical Tamil Literature".

25August, 2017. Prof.L.Ramamoorthy, "Method and Instruction in Second Language Teaching".
Departmental Seminar on "Tamil Manuscripts" by Prof. K. Mavali Rajan, Department of AIHC&A,VB.

3 February 2018. Prof.Chandrasekar, "Teaching Tamil Language to Non-Tamil Students a Methodological approach".

Only National and International standard Conference / Seminar / Workshop Attended by Teachers/ Research Scholars in details.

Senthil Prakash.S

August 2017. Organized National Level workshop on "Method and Instruction in Second Language Teaching" funded by CIIL, Mysore.

19-23 March 2018. Participated in the workshop on "Preparation of Intermediate Course Reader in Tamil" conducted by Southern Regional Language Centre, Central Institute of Indian Languages, Mysore.

12-17 December 2017. Participated in the "Training cum Workshop on Item Writing in Tamil" organized by National Testing Service-India at Central Institute of Indian Languages, Mysore.

2 February 2018: Presented a paper in the National Seminar on "Srimanta Sankardeva and His times Organised by Assamese Language Unit,Visva-Bharati,Santiniketan.

25 August 2017. Presented a paper in the National Level workshop on "Method and Instruction in Tamil Language Teaching, Bhasha Bhavana,Visva-Bharati and CIIL,Mysore.

Extension activities/NSS/Cultural and other activities organised by the Department and participated by The Teachers and students of the Department.

- a) Tamil Folk Songs and Dance presentation for Non-Tamil students, 2nd February 2018
- b) Screening of the Short Film Kakkose on 14th January 2018
- c) Introduction to the Tamil Scripts to the School students of Visva-Bharati on 12 December 2017.
- d) Tamil Essay Competition and Tamil mandram Celebration on 3rd November 2017.
- e) Tamil typing and Editing workshop on 27th October 2017.

Others

Senthil Prakash.S, Assistant Professor of our Department was involved in the Text book preparation for Intermediate Course in Tamil, CIIL, Mysore.

Member of Editorial Board of UGC approved Tamil Journal "Modern Tamil Research", Raja Publication, Tiruchirappali.

Member of Editorial Board of Nilam-A BI-Annual Research Journal on History and Culture, Pandiya Nadu Cultural Foundation, Madurai.

Publication within the year April 2017 - March 2018

Senthil Prakash.S

2018, Teaching Tamil & e learning Problems and Findings, UTA, Coimbatore.

2018, Thiranaaivalarkalin Paarviyel Saratchandirar, Journal of Modern Tamil Research, Trichy.

2017, Sangam Kattum Vangam, Seviyal ilaakiyangal Panmuga Parvairi, Kangarani Publication, Chennai, ISBN-978-81-909327-2-1

Designing New course/curriculum or any other teaching innovations introduced by the Department

1. E-content Developed for Teaching Tamil Literature through English as a Medium of Instruction.
2. 24 Teaching Modules Created for Teaching Tamil Language and Literature.
3. New course introduced as an Optional paper in Tamil under new CBCS.
4. All Text Books are digitalised in the Certificate and Diploma Level.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The department was established in 1980. Future Plans include introducing Smart Class Room, Cultural Exchange Programme, Introducing the PG Course in Tamil Literature and Develop a Platform to Learn Tamil through Bengali.

DEPARTMENT OF JAPANESE

Nippon Bhavana

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Ms. Piyali Roy (NET with JRF), Mr. Ashok Vardhan Ojha (NET with JRF)

Departmental Seminar (Speakers, Title of the Seminar, Date)

27-28.10.2017 Organized Special Lecture on 'Japan-India Relations - History and Prospects' by Prof. Tomio Mizokami, Professor Emeritus, Osaka University of Foreign Studies ?President of KansaiJapan-India Cultural Society as a part of the '2017 The Japan-India Friendly Exchange'.

4-10.01.2018 Organized a Teachers Training by The Japan Foundation titled 'New-Japanese-Language-Teacher Training Course in Santiniketan'. The training programme was conducted by Mr. Hiroaki Konishi &Ms. Yuiko Wakana,, Japanese Language Advisor, Japan Foundation, New Delhi

11.03.2018 Special Lecture by Prof. Yasuhiko Komatsu on "Man'yoshu, the Extant Oldest Anthology of Japanese Poems, and Tagore's Poetry: On the Common Thought 'Touch'".

Only National and International standard Conference /Seminar /Workshop / Exhibition etc. attended by Teachers/Research scholars in details.

Gita A. Keeni

7.7.2017.Invited for a special lecture by the Japan Foundation, New Delhi Office to speak on Late Prof. Saiji Makino before the screening of the award-winning documentary film titled 'Makino - An Indian Haiku'.

21.09.2017 Invited for delivering a lecture on: 'Onnade-Women's Hand in the evolution of Japanese syllabary and creation of literature' as part of 'Carc?: Exercise in Comparativism' organized by Centre for Comparative Literature (CCL) Bhasha-Bhavana, Visva-Bharati.

07.11.2017 'Reception of Japan and Her Culture in Bengal with Special Focus on Santiniketan' at Aoyama Gakuin University, Tokyo, Japan.

03.03.2018 Invited for delivering a lecture on'Japanese learning in India and its Challenges'in the symposium titled 'The Need of the Hour - Japanese Language Education in India' Organized by ABK-AOTS, Chennai in collaboration withthe Japan Foundation, New Delhi, India

3-4.11.2017 'Kawaiiko niwa tabi wo saseyo - Significance of Kawaiiko in the Proverb' in the International Conference on Interlinking Linguistic and Literature-A Tool to 'Read' Japanese Literary Texts,organized by the Centre for Japanese Studies, School of Language, Literature and Culture Studies, Jawaharlal Nehru University.

05.11.2017 [Animal Folktales: 'Jataka?the Buddhist short stories' and 'Panchatantra' the popular children stories in India] in the International Symposium on 'Ninth Tozai Bunka Yugo' organized by Daito Bunka University, Japan. Also Discussant, Commentator in Session [Performing Art and beliefs of Europe]

26.03.2018 'Significance of Calligraphy in Japan' in the National Seminar on 'Learning to live in Peace: Value Education Inputs for a Better Society' organized by the Department of Education, Vinaya Bhavana, Visva-Bharati during 26-27.03.2018

19-20.01.2018 Participated in Japanese Language teacher seminar jointly conducted by the Japan Foundation, New Delhi and Eastern India Japanese Language Teacher Association (EIJLTA) at Kolkata.

Md. Aliul Azim

20-21.05.2017 Participated in a workshop on 'Particles', 'Listening & Reading comprehensions', and 'Impromptu Speech' conducted by The Japan Foundation, New Delhi at Kolkata.

19-20.01.2018 Participated in Japanese Language teacher seminar jointly conducted by the Japan Foundation, New Delhi and Eastern India Japanese Language Teacher Association (EIJLTA) at Kolkata.

Others

Md. Aliul Azim participated in an Orientation Programme in HRDC Burdwan University from 01.08.2017 - 28.08.2017

Prosenjit Chakraborty, Sukanto Mazumdar, Sudip Singha, Ashok Vardhan Ojha, Loukrakpam Chingkheilembi participated in a special lecture on "From Page to Stage: Literary Texts to Theatre" in Bhasha Bhavana, Visva-Bharati from 25-27 March, 2018.

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

18.08.2017. Organized 'Kacche Elo Japan' - A Calligraphy demonstration cum workshop by Madam Hiroko Nagahama, Japanese Calligraphy Teacher & JAPANESE MOVIE in collaboration with the Consulate General of Japan in Kolkata as a part of the '2017 The Japan-India Friendly Exchange'.

12-19.04.2018. Reitaku University visit under the Exchange Student Programme.

18-20.02. 2018. Cultural Exchange Programme with Chikushi Jogakuen University

23.03.2018. Glimpses of Japanese Culture: Tea Ceremony Demonstration & performance of Japanese Hand drum (Kotsuzumi) used in Noh Theatre.

27.03.2018. Calligraphy Workshop by Hiroko Nagahama.

Publications within the year April 2016 - March 2017

Gita A. Keeni

Translation as a Tool to connect the People of Different Cultures: Bengal and Japan (Highlighting the Works of Rabindranath Tagore and Kenji Miyazawa) in Japanese Literature in Indian Translations: Issues and Challenges, Northern Book Centre, New Delhi, 2017, pp 30-44, ISBN: 81-7211-378-0/978-81-7211-378-0.

Amar Sankalpa' [translation in Bengali of Miyazawa Kenji's poem "Ame nimo makezu"] in "Japanese Literature in Indian Translations: Issues and Challenges", Northern Book Centre, New Delhi, 2017, pp 240-41, ISBN: 81-7211-378-0/978-81-7211-378-0.

Sudipta Das

"The History of Private-Sector Exchanges between India-Japan from 1890s to 1960s: Centering on Cultural Exchanges between Bengal and Japan" in Journal for the Comparative Study of Civilizations No.22,2017, Japan, ISSN:1342-2650

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

Visva-Bharati, in keeping pace with its global character started the department with two-year Certificate and one-year Diploma Courses in the year 1954 under Dr. Probodh Chandra Bagchi. This is the first university in India to introduce Japanese Language courses. Since its inception many eminent Japanese Scholars came to Santiniketan on teaching assignments and were attached to the department. In the initial stage of the department, Japanese Buddhism and Language were taught. In 1999, the department started four-year B.A. Honours Course. Subsequently, M.A. Course was introduced in the year 2006 and PhD Course in 2011.

Future Plans:

The department intends to expand with the view to keep in 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 center as well as a research center 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. In 2015 a MoU was signed between Visva-Bharati and Reitaku University, Japan and in 2017 a MoU was signed with the Aoyama Gakuin University in Japan. Few other Japanese universities and educational institutions are showing interest to establish cultural as well as academic ties with the department of Japanese (NipponBhavana). 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 and Japan.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The Eastern India Japanese Language Speech Contest, 2017 the following students ranked high position:

Sl. no.	Name of the participants	Group	Position obtained
1	Mr. Rezaul Arafat	Senior	First
2	Ms. Dinobandhu Garain	Senior	Second
3	Ms. Shreya Das	Junior	First

The Department successfully arrange the Japanese Language Proficiency Test on 2nd July 2017. 192 candidates applied for different levels (1-5) of the test.

Campus Interview 23.09.2017 by Amazon and one student was selected.

DEPARTMENT OF CHINESE LANGUAGE & CULTURE

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

- i. In 2017, two students were selected by the Indian Government for Human Resource Development Ministry Scholarship, Government of India, to pursue studies in China under the India-China Bilateral Cultural Exchange Programme.
- ii. In 2017, three students' were nominated for Chinese Govt. Scholarship to pursue studies in China.

Departmental Seminar (Speakers, Title of the Seminar, Date)

13 October 2017. A departmental seminar was held on China's 19th party Congress - will there be a smooth Transition of Power? Speaker-Dr. Avijit Banerjee at Cheena-Bhavana.

3-4 November 2017. The department in association with Consulate General of the People's Republic of China in Kolkata, Indian Council for Culture Relations (ICCR), Institute of Chinese Studies, Delhi & Asia in Global Affairs jointly organized an International Conference on "India China Culture Resonance" at Cheena-Bhavana, Visva-Bharati on the occasion of the Celebrating 80 years of the establishment of Cheena-Bhavana and 90 years of Prof. Tan Yunshan's arrival to India.

8 January 2018. The department organized one day Round Table International Conference on "India-China Relation in the Present Perspective" at Cheena-Bhavan Visva-Bharati. Prof. Kakoli Sengupta, Head, Department of International Relations, Jadavpur University, Kolkata, Dr Anuasua Basu Ray Chaudhury, Fellow & Project Coordinator, ORF, Kolkata, Dr Binod Kr. Mishra, Director Centre for Studies in International Relations and Development, Kolkata, and eminent scholars from Shanghai, China participated in the conference.

24 March 2018. Prof. Ananta Kumar Giri from Madras Institute of Development Studies delivered a talk at Cheena-Bhavana, Visva-Bharati on "Confucianism, Vedanta and Social Theorizing: Cultivating Planetary Conversation".

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

Late Prof. Jayeeta Ganguly (expired on 26.01.2018)

3-4 November 2017. Attended the International Conference on "India China Culture Resonance" held at Cheena-Bhavana, Visva-Bharati on the Occasion of the Celebrating 80 years of the establishment of Cheena-Bhavana and 90 years of Prof. Tan Yunshan's arrival to India.

Avijit Banerjee

23-29 July 2017. Presented a paper on "Visva-Bharati Cheena Bhavana-Pioneer in Fostering India-China Relations" in the Symposium on China Studies (SOCS) organized by Ministry of Culture of the People's Republic of China and the Chinese Academy of Social Sciences at Beijing and Qinghai, China.

19-21 September 2107. Presented a paper on "Situation of China Studies and Chinese Teaching in India since 1980" in the 2017 China (Anyang) International Conference of Chinese Characters organized by the People's Government of Anyang City, Foreign and Overseas Chinese Affairs

Office of the People's Government of Henan Province, Henan People's Association for Friendship with Foreign Countries and the National Museum of Chinese Writing in Anyang, Henan, China.

3-4 November 2017. Presented a paper on "China's Belt and Road Initiative: Opportunities and Challenges for West Bengal" in the International Conference on India-China Cultural Resonance on the occasion of 80th Anniversary of Cheena Bhavana and 90th Anniversary of Prof. Tan Yunshan's Arrival to India organized by Cheena Bhavana in Association with Consulate General of the People's Republic of China in Kolkata, Indian Council for Cultural Relations, Institute of Chinese Studies, Delhi & Asia in Global Affairs at Santiniketan.

10-11 December 2017. Presented a paper on "India-China Civilisation Interaction and People to People Exchange: Foundation of India-China Relations" in the 7th World Forum on China Studies, jointly organized by the Information Office of the Chinese State Council and the People's Government of the Shanghai Municipality at Shanghai, China.

9 December 2017. Presented a paper on "Tan Yunshan and Cheena Bhavana" in the International Conference on "Chinese Language and Literature from the Perspective of Indian Culture" organized by Department of Asian and African Languages and Literature, School of Foreign Languages, Peking University at Beijing, China.

15 March 2018. Presented a paper on "Role of Indian Buddhist Monks in China in Promoting India-China Educational Exchanges" in the International Conference on "Buddhist Exchanges Between China and India :Past & Future" organized by Chinese Consulate General in Kolkata, Lingyin Temple, Hsuan Tsang Monastery and Cheena Bhavana, Visva-Bharati, at Kolkata.

Smt. Tandraima Pattrea

3 April 2017. Presented a Paper on "A Short Story by Ron Shi and its relevance to day" in the International Conference on "India China Culture Resonance" at Cheena-Bhavana on the occasion of the Celebrating 80 years of the establishment of Cheena-Bhavana and 90 years of Prof. Tan Yunshan's arrival to India.

13.7.2017. Attended an Academic Session on "The Relevance of Dr. Shyama Prasad Mukherjee and the Present Scenario of West-Bengal".

Smt. Hem kusum

3 April 2017. Presented a paper on "Problematising the Expansion of Private Higher Education Institutions in China" in the International Conference on "India China Culture Resonance" at Cheena-Bhavana, Visva-Bharati on the occasion of the Celebrating 80 years of the establishment of Cheena-Bhavana and 90 years of Prof. Tan Yunshan's arrival to India

Publications

A Monograph "80 Years of Cheena Bhavana" was published on the Occasion of the Celebrating 80 years of the establishment of Cheena-Bhavana in November, 2017.

Abhijit Banerjee

Co Editor: "Yindu Qingnian Yanzhong de Zhongguo" "China Through the eyes of India Youths", Yunnan University, Kunming, China, September, 2017

India China relations on the background of China's Belt and Road and India's entry into SCO" in the Magazine "Voice of Friendship", NO.189, September, 2017, ISSN- 1000-9532, pp. 26-27.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department.

- (i) A team of Sena Siksha Corps Prasikshan College aur Kendra, Panchmari visited Cheena-Bhavana, Visva-Bharati, Santiniketan in July 2017 and had an interaction with the faculty and students of Cheena-Bhavana .
- (ii) A thirty eight member delegation, comprising of students and teachers came from Yunnan University, People's Republic of China fifth visit to Cheena-Bhavana, Visva-Bharati under the MOU between Yunnan University and Visva-Bharati from 12-17 January 2018.
- (iii) His Excellency Mr. Luo Zhaohui, Ambassador of the People's Republic of China to India visited Visva-Bharati on 19th February, 2018. His Excellency met Vice Chancellor of Visva-Bharati and discussed on various ways of taking forward India-China educational and cultural exchanges. He also visited Cheena Bhavana , Rabindra Bhavana and Patha Bhavana.
- (iv) Cheena-Bhavana organized a Chinese Bridge Competition on 25th March, 2018. Many students participate in this competition.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

In order to encourage contact and cooperation between the faculty members, departments and other affiliated institutes and programmes, Visva-Bharati , HANBAN (Association for Promotion of Chinese Language & Culture in the World) and Peking University, China signed a Memorandum of Understanding in July, 2017. The MOU had also provision for exchange of students, faculty members between the two universities.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with the indication of the future plans for development:

Since its establishment in 1937 the institution attracted a good number of students and scholars particularly from China and various parts of India, from almost all Asian countries and also from Africa, Europe and America. The larger chunk of the foreign students came from Sri Lanka, Japan, Myanmar, Thailand and Nepal. The academic works of all these scholars enriched the department by their research works of rich academic merit. The research outputs of all these scholars were published either in book form or articles in periodicals and other academic journal of India and abroad. Besides, a voluminous amount of translation works was carried out and the department started the publication of the Sino-Indian Journal. The department has also been privileged by the visits of many distinguished personalities and patrons who greatly enriched the institution with their donations for financial support.

The Cheena-Bhavana library is the best of its kind in preserving Chinese books and journals in whole South Asia with its treasure house of over fifty thousand rare and invaluable books. It is a special feature, a rare treasure not only to the Visva-Bharati University but also to the entire nation.

CENTRE FOR MODERN EUROPEAN LANGUAGES, LITERATURES AND CULTURE STUDIES

Departmental Seminar (Speakers, Title of the Seminar, Date)

26 August 2017. Prof.Sada Niang, Professor of French and Francophone Literature, African and Caribbean Cinema and French Linguistics, University of Victoria, British Columbia, Canada, delivered a multimedia lecture on Literature, Culture and Society in Sub-Saharan Africa (in collaboration with Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati)

21 January 2018. Joy Banerjee, Journalist and Filmmaker from France, held an interactive discussion with students and invited guests on "Contemporary Media, Social, Cultural and Political Life in France"

9 February 2018. Partho Bhattacharya, Translator and Filmmaker based in Paris, France, gave a lecture on "Contemporary Issues of French Culture"

23 February 2018. Prof.Raahman Chowdhury, Dramatist and Scholar from Dhaka, Bangladesh, gave a lecture on "Immigration in Europe Today"

27 February, 2018. Dr.NataliyaVeselova, Scholar from Russia, gave a lecture on life and work of Russian author Maxim Gorky; Quiz Contest conducted by Susmita Bhattacharya

4 March 2018. Prof.RajendraDengle, Professor of German Studies and Dean of School of Languages, Literatures and Culture Studies, Jawaharlal Nehru University, New Delhi, delivered a lecture on "Russian Formalism and Hermeneutics:Critical Responses to Positivism"

13 March 2018. A team from Uni-Italia, Embassy of Italy, New Delhi, presented a program on "Higher Education Opportunities in Italy", followed by interactive session with students of Visva-Bharati

Extension activities /NSS/ Cultural and other activities organised by the Department.

Participated in 'AnandaMela' with representative F/G/I/R delicacies.

6 June 2017. Students and faculty members of CMELLCS participated in a cultural program organized by Russian Centre of Science and Culture Kolkata celebrating A.S. Pushkin

9 November 2017. Students of CMELLCS organized a cultural program at Visva-Bharati Co-operative Bank commemorating the centenary of the November Revolution of Russia.

29 November 2017. Students and faculty members of CMELLCS participated in a cultural program organized by Russian Centre of Science and Culture Kolkata to commemorate Gerasim Stepanovich Lebedev

5 January 2018. Ms.LaëtitiaLompech, Linguistic Advisor, French Consulate Kolkata, visited CMELLCS and held a meeting with the Principal, Bhasha-Bhavana, regarding future collaborations

20 January 2018. Documentary film show Bengal Shadows by Joy Banerjee and Partho Bhattacharya screened at Indira Gandhi Centre (IGC), Visva-Bharati, followed by interaction and discussion with the audience / viewers

Publications within the year :April 2017 - March 2018

Indrani Das (Professor of Italian)

Translated a children's short story jointly from Bangla to English "Metrote Buri" in: Roy, D.&Dasthakur, S. (eds.) Timeless Tales from Bengal, New Delhi: Niyogi books, 2018. ISBN978-93-86906-23-6.pp 261-265.

Romit Roy (Associate Professor of German)

Translated two children's short stories jointly from Bangla to English "Puin Mancha" and "Dui Bhikshu" in: Roy, D.&Dasthakur, S. (eds.) Timeless Tales from Bengal, New Delhi: Niyogi books, 2018. ISBN978-93-86906-23-6.pp 261-265

"Bolshevik Agrarian Policy" (Chapter VII), pp. 136-59 / "Difficulties and Dangers of the Bolshevik Policy of Concessions" (Chapter VIII), pp. 160-8 / "Increasing Development of the Soviets and their Firm Alliance with the Industrial Proletariat and its Class-based Party" (Chapter X), pp. 192-201: In: Clara Zetkin, Rosa Luxemburg's Views on the Russian Revolution, New York City, April 2017 (Red Star Publishers), ISBN 9781545187166 (Translation from German into English: chapters in book)

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.:

Submitted revised syllabus of BA (Hons.) in MELLC according to UGC guidelines for CBCS.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The four modern European languages, French, German, Italian and Russian, were under DEOMEL. These four modern European language units were integrated as CMELLCS, established in 2014. CMELLCS now offers UG, PG, Ph.D., Certificate, Diploma and Advanced Diploma in French, German, Italian and Russian. MA in all the four languages started from the academic session of 2017.

15-Years Vision Plan of CMELLCS

ACADEMICS

Upgrading CMELLCS to a full-fledged Department of Modern European Languages, Literatures and Cultures:

- i. Courses: The Centre for Modern European Languages, Literatures and Culture Studies (CMELLCS), comprising French, German, Italian and Russian (FGIR), was launched in 2014. At present it runs a full gamut of courses including (a) BA (Hons.) in FGIR, (b) MA in FGIR (to start in 2017), (c) M.Phil. and Ph.D. in FGIR, (d) Certificate and Diploma in FGIR, Advanced Diploma in Italian and Russian.
- ii. Plans to offer FGIR as Subsidiary courses for Bhasha- and Vidya-Bhavana
- iii. Plans to introduce professional / vocational need-based language courses for workers in corporate, governmental and educational sectors.
- iv. Other courses: Introducing courses in Spanish at the same levels as above
- v. Projects: CMELLCS would like to apply for UGC-SAP in (a) Collaborative translation (from

- Tagore's works and other works of Bengali literature into FGIR); (b) Collaborative translation of literary works in FGIR into Bengali; (c) bilingual dictionary projects in Bengali and FGIR; (d) developing need-based curricula of FGIR for other institutes (academic, administrative and commercial) in Eastern India
- vi. Establishing a Centre for Online Translation Services and Training to cater to the needs of various sectors.

CREATION OF POSTS

Submitted proposal for creation of following posts: (1) a base minimum corpus of 8 substantive academic posts for each of the four languages (FGIR) i.e. 2 Professors, 2 Associate Professors, 4 Assistant Professors; i.e. total base minimum corpus of 32 academic positions in FGIR); (2) 2 Office Assistants, 2 delivery persons-cum-office-helpers, (3) 1 Library Assistant and 1 Helper for Seminar Library.

INFRASTRUCTURE

Submitted proposal for construction of a dedicated "green" complex / building to house CMELLCS (future DMELLCS) comprising:

- (i) 24+ IT- and digitally-enabled "smart classrooms", with special aids for persons with hearing, speech- and visual-disabilities,
- (ii) small auditorium doubling as audio-visual-unit and language-lab,
- (iii) fully equipped conference room,
- (iv) Seminar library large enough to store books for all languages, to be developed progressively into e-Library;
- (v) Office of Coordinator/HOD,
- (vi) Centre Office,
- (vii) Faculty rooms (individual or shared) to seat 32+ teachers,
- (viii) Students' common room,
- (ix) Small cafeteria
- (x) Toilets for women, men and third gender, added facilities for differently-abled persons.

The building / complex should incorporate green / renewable energy solutions (e.g. solar energy, LED lights etc.) and cause minimum damage to the environment and landscape. The surrounding garden and / or inner courtyard should have a green canopy to reduce dependence on ACs in summer. Architecturally, the building should ideally reflect the traditional architectural style of Santiniketan that developed under Rabindranath Tagore.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

16 May 2017 to 15 May 2018. "Travelling Library" of Goethe Institut / Max Mueller Bhavan Kolkata in collaboration with CMELLCS is brought to CMELLCS for one year for use by students and faculty members.

DEPARTMENT OF ASSAMESE

Departmental Seminar (Speakers, Title of the Seminar, Date) -

9-10 February 2018. Two days National Seminar on "Srimanta Sankardeva and His Times." No of Speakers 75. Chief Speaker- Prof. Hiren Gohain, Dr. Sanjib Kumar Barkakoti, Prof. Tanuja Majumder, Dr. Mallika Kandali, Dr. P. C. Basumatary and others. A cultural event of Satriya Dance & Music was also organised on 9.2.18.No of Artists: 16. . Chief Artiste- Mitali De, Dr. Bhabananda Barbayan, Tileswar Tamuli Borbayan, Pankaj Barua, Rishiraj Sharma, Rani Gohain, Dr. Mallika Kandali etc.

An Art Exhibition on Sankari Culture & Tradition was also held on 9th February, 2018.

No of Artists: 22. Chief Artist- Rebakanta Mahanta (mask), Dr. Hem Chandra Goswami (mask), Dr. Rajkumar Mazinder, Monika Das, Ajit Sheal, Dr. Meghali Goswami, Jaya Boro, Dharitri Boro and others.

Only National and International standard Conference/Seminar/Workshop etc. attended by the Teachers in details-

Sangita Saikia

20-21 May 2017. Participated in an International Seminar on Art as Praxis of Connectivity and Integration in Indian Subcontinent organized by Rupakar, Barak Bhaskar Sanstha, Silchar, Art Echo Journal & Sponsored by ICCR. The title of the paper is: "Asomor Janajatiya Shipa Ruchibodh"

24-25 August 2017. Participated in a National Seminar sponsored by Central Institute of Indian Languages, Mysore on Method and Instruction in Second Language Teaching organized by Tamil & Marathi Language Units, Visva-Bharati. The title of the paper is: "Challenges and Techniques of Second Language Teaching: In Context of Assamese Language Teaching"

15-16 September 2017. Participated as a Resource Person & chaired an academic session in a UGC Sponsored 2 days National Seminar, organized by DHSK College, Dibrugarh, Assam on Rup Konwar Jyoti Prasad Agarwala.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department. -

Participated in International Mother Language Day Celebration on 21th February, 2018 at Lipika, organized by Indira Gandhi Centre for National Integration & Foreign Students' Cell and Bhasha Bhavana.

Academic distinctions gained by the Teachers/Scholars or the Department as a whole:
Established a Sankardeva Professor Chair by the Government of Assam.

Publication within the year April 2017-March 2018

Sangita Saikia

"The Legacy of Religion and Culture: Manuscripts of the Tai Phakes of Assam", "Contemporary Social Issues: Social Anthropological Inquiries" : Ed. Dr. Rangya Gachui, ISBN 978-81-8370-482-3, Akansha Publicashion House, 2017: page 159

"shilabhadrar upanyasat pachim asomor loka-sanskritik upadan", "Dogo Rangsang" : Peer reviewed Research Journal, ISSN 2347-7180, Volume-V, Issue-VII, January, 2018: page 39

Neela Kukuror Chaku (নীলা কুকুরৰ চকু), Translated Short Story, Origin : Gabriel Garcia Marquez in Sadin, Bihu special issue, 07 April 2017

<http://www.sadin.co.in/index.php?date=07-04-2017&page=31&year=2017&month=april&edition=1>

"Study of Assamese Language & Literature in Visva-Bharati, Santiniketan", "Dhuburi" : Souvenir of the closing ceremony of the Centenary Celebration of Asom Sahitya Sabha, December, 2017: page 428-430

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

Revised Assamese Syllabus for 2 years MA Course in Comparative Literature.

A brief history on the development of the Vibhaga concerned with in indication of the future planes for development:

The Dept. opened in June 2007, after the joining of only one faculty as an Assistant Professor in Assamese and started with 2 students of Certificate Course. Now this is a language unit with two year certificate, one year diploma course in Assamese Language, Ph.D Course from 2014 and offering Assamese as a Core Subject in M.A. Course of Comparative Literature since 2015. The Assamese Language Unit presently offering Ph.D in Assamese Language, Literature & Culture as well as comparative study with Assamese. The query & interest of students all over Assam & North-East India to pursue Ph.D is quite amazing, but the research facility we offer is very limited due to shortage of faculty, staff & other infrastructures. As the Unit has started Ph.D programme from 2014 and 4 (Four) students are pursuing Ph.D, the Unit wishes to develop its infrastructure, intake capacity of students & faculty due to students' demand. The Assamese Language Unit is offering Assamese Language as a Core Subject in M.A. Course of Comparative Literature since 2015 & helping students, teachers and research scholars of other departments of entire Bhasha-Bhavana, Sangit Bhavana officially or casually from the beginning. It was offering Assamese as a subject in Comparative Literature department, but now the unit is planning to introduce B.A. & M.A. course in Assamese individually. The design of syllabus is under process to introduce Undergraduate & Postgraduate Courses very shortly.

CENTER FOR BUDDHIST STUDIES (CBS)

Seminars conducted in the Centre

18-19 February 2018. International Seminar on Buddhist Influence on Sanskrit, organized by the Department of Sanskrit, Pali & Prakrit and Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

Prof. Arun Ranjan Mishra of the Department of Sanskrit, Pali and Prakrit serves as the Director (I/C). His cv can be referred to in his department profile.

A Brief history on the development of the Bhavana /Sadana/Vibhaga concerned by the Department. The Centre for Buddhist Studies at Visva-Bharati was established under the UGC Scheme of Social Epoch Making Thinkers in 2005 by the then Head of the Department of Indo-Tibetan Studies, Dr. Narendra Dash. Due to his unexpected and sad demise in the same year, the Centre was only launched in July 2007 with Prof. Dr. Andrea Loseries, the new Head of the Department of Indo-Tibetan Studies, as Director. It is an interdisciplinary and interdepartmental forum. The activities of the Centre are : International Seminars and Workshops, Special Lectures, Class Lectures, Film shows, exhibitions and research programs and publications (Buddhist World Press, New Delhi).

Present Advisory Board :

1. Chairperson : Prof. Dr. Sabujkali Sen, Vice-Chancellor, Visva-Bharati
2. Prof. Abhijit Sen, Principal, Bhasha-Bhavana
3. Prof. Amal Kumar Pal, Director, Rabindra Bhavana
4. Prof. Kailash Pattanaik, Head, Department of Odia
5. Prof. Lalita Chakraborty, Department of Sanskrit
6. Dr. Sedup Tenzing, Head(I/C), Department of Indo-Tibetan Studies
7. Prof. Aruna Ranjan Mishra, Director (I/C), CBS and Convener

CENTRE FOR COMPARATIVE LITERATURE

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Sounak Datta, NET: 2017; Sk. Sajad Goni, NET: 2017

Departmental Seminar (Speakers ,Title of the Seminar, Date)

26.2.2018: An International Students' Roundtable Discussion on 'Comparativisms across Borders' with students of Jahangirnagar University, Bangladesh and Centre for Comparative Literature, Visva-Bharati

Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Attended by Teachers / Research Scholars in details.

Soma Mukherjee

18 May 2017. Presented a paper in the international conference entitled "Purifying the Dialect of the Tribe: Cross-Cultural Concerns in Colonial and Postcolonial India" organized by Indian Institute of Advanced Study, Shimla on 17 - 19th May, 2017. Title of the Presentation: "Comparative Literature and Its Relevance in Indian Literature".

24 August 2017. Presented a paper in the national conference entitled "Method and Instruction in Second Language Teaching" organized by Tamil and Marathi Language Units of Bhasha Bhavana, Visva-Bharati, in collaboration with CIIL, Mysore 24 - 25th August, 2017. Title of the Presentation: "Language Politics and Comparative Literature"

29 - 31 August, 2017. Participated and translated a critical essay in the Second National Workshop entitled "Comparative Literature: Texts, Contexts, Concepts" organized by CAS (Phase 3), Department of Comparative Literature, Jadavpur University in collaboration with Project Anuvad and Centre for Translation of Indian Literatures, Jadavpur University.

23 January 2018. Presented a paper in the National Seminar entitled "Fakirmohan, Indian Renaissance and Relevance of His Literature" organized by Department of Odia, Visva Bharati in collaboration with CIIL, Mysore. Title of the Presentation - "Novel in India: A Comparative View"

23 February 2018. Presented a paper in the International Conference entitled "Cosmopolitanism, Globalisation and Literary Space: Perspectives and Narrations of a (new) World Citizenship" organized by GSI, and Department of Germanic & Romance Studies, University of Delhi on 21 - 23rd February, 2018. Title of the Presentation - " 'Desivad' - An Alternative Indian Dimension of Cosmopolitanism".

Dheeman Bhattacharyya

03 -04 March 2018. Invited observer and presenter at the international conference on dance "The SAMABHAVANA" organised by Sapphire, Kolkata at ICCR, Kolkata.

12-13 May 2017. Represented Visva-Bharati as Indian Member Council and presented "The future prospect of collaborative projects with Visva-Bharati and Shastri Indo-Canadian Institute" at the International Conference on "Engaging Canada and India: Perspective on Sustainability" at IHC, Delhi.

Nilanjana Bhattacharya

12 January 2018: Invited by the Paschimbanga Bangla Academy to deliver Jitendranath Chakrabarty Memorial Lecture on 'Rabindranath and Latin America'.

Publication within the year April 2017 - March 2018

April 2017: *Pracin Sahitya: Annotated English Translation and Critical Essays* edited by Nilanjana Bhattacharya and Sayantan Dasgupta, published by Centre for Comparative Literature, Visva-Bharati.

Soma Mukherjee

"Ramifications of the Ramayana in India, Indonesia and Thailand: A Comparative Study" in *Le Comparatisme comme approche critique Comparative Literature as a Critical Approach. - Local et mondial : circulations / Local and Global: Circulations*, ed. Anne Tomiche. Paris :ClassiquesGarnier. 2017. pp. 445 - 456.

"Translation of Toni Morrison's Nobel Speech in Bangla" in *Nobel Bhasan: Sahitya - Asia, Latin America, Africa*, ed. Deep Ghosh and Sushobhan Pramanick. Kolkata: Ekalabya. 2018. pp. 332-344.

Dheeman Bhattacharyya

"The Spirit Lives in The Mind: Multicentric Narrative Memory in the Rez plays of Tomson Highway and street plays of Budhan Theatre" in *Following Forkhead Paths: Discussion on the Narrative* edited by Debashree Dattaray, Epsita Halder and Sudip Bhattacharya, published by Setu Prakashani, August 2017, 173-84.

"Chihorlata: Interweaving Speech Acts of the Dhekaru and Birhor Tribes of West Bengal" in *Ecocriticism and Environment: Rethinking Literature and Culture* edited by Debashree Dattaray and Sarita Sharma, published by Primus Books, 2018, 73-84.

"Jishuko Jeevan" and "Chrit r Manab Jivan" (translations into Nepali, jointly with Terrence Mukhia) in *Christ: Translations of Rabindranath's essays on Christ* edited by Rev Father George Thadathil and Yugyal Lama, published by Salesian College Publications, 2017, 17-30 and 37-41.

Others

Dheeman Bhattacharyya presented original Script for "Naad" a multimedia theatre production presented by Gaman, Kolkata at GD Birla Sabhagar, Kolkata on 2 December 2017.

He presented original Script for "Karuna Dharay Esho" a presentation on Tagore's Gitanjali organised by Darpani in association with Ministry of Culture, Government of India at Gyan Manch, Kolkata on 7 June 2017.

Designing New course/curriculum or any other teaching innovations introduced by the Department

As a new academic Centre, CCL is continuously developing new courses as part of its curriculum. The innovative courses include an inter-disciplinary subsidiary course on 'Literature and the Other Arts', and an MA level core course where all students will write a brief dissertation. This course - which introduces the research methodology and writing technique - becomes useful for students who want to pursue higher education. Keeping in mind that all students will not want a career in

research and teaching, CCL has also introduced several Skill-based optional courses in the MA syllabus, such as Translation as Skill, Proof Reading and Editing etc. These courses use audio-visual tools and prepare the students for the creative industry.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

Centre for Comparative Literature (CCL) was established in 2013, though Comparative Literature as a discipline was introduced in 2010 at the UG level as part of compulsory language course and in 2011 as subsidiary subject. At present CCL offers MA, MPhil, and PhD in Comparative Literature, along with subsidiary/elective courses at the UG level. CCL has plans to introduce BA honours in Comparative Literature as soon as there are enough number of teaching hands. Besides these academic courses, we also have plans to create a Digital Archive of Cultural Texts from India, Latin America, Africa and Canada, provided we get necessary support from the University/UGC.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

CCL, in addition to all its academic and administrative activities, conducts a monthly lecture-series, called 'Carca: Exercise in Comparativisms', where an expert from the University is invited to deliver a lecture on a specific topic. The series facilitates dialogue between various literatures and other disciplines, and also help promote comparativisms.

CCL is also doing significant work in the field of Translation Studies by translating and publishing Rabindranath's untranslated Bangla writings into English. This work is going on in collaboration with the Centre for Translation of Indian Literatures, Jadavpur University, and the first volume of the series has already been published in 2017. The second workshop of the series was organised on March 16-17, 2018; jointly coordinated by Dr Sayantan Dasgupta and Dr Nilanjana Bhattacharya.

VIDYA-BHAVANA

(Institute of Humanities & Social Sciences)

The Vidya-Bhavana, at present the College of Humanities and Social Sciences of the Visva-Bharati came into existence in July, 1919 soon after Gurudev solemnized the establishment of the Visva-Bharati in December, 1918. It started functioning under the name Uttarvibhaga – the department of advanced studies. The name Vidya-Bhavana was adopted in 1925.

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. 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 Institutes informal inaugural was also 8 Paush of 1325 BS (Last week of Dec. 1925).

Vidya-Bhavana is now a major faculty of the University with seven major departments and one subsidiary unit functioning under it [Philosophy & Comparative Religion, History, Geography, Ancient Indian History Culture & Archaeology, Economics, Journalism & Mass Communication, Anthropology and Education (Subsidiary unit)].

Vidya-Bhavana is successful enough to draw foreign students both from the Western and Eastern parts of the globe. A large number of foreign students are regularly coming to enroll themselves in different courses at Vidya-Bhavana.

Vidya-Bhavana offers courses of studies in the Honours, Post-Graduate, M. Phil., Ph.D. At present, there is also an increasing trend proliferating modern literary and social scientific research. Quite a few projects funded by external agencies have been successfully executed by teachers of the Vidya-Bhavana. Vidya-Bhavana holds the promise of going ahead towards establishing National Integration and World peace through religious and cultural harmony, dissemination of learning and the consequent values of self-sacrifice and universal brotherhood.

DEPARTMENT OF ECONOMICS AND POLITICS

Name of Students qualified in NET/SLET:

Mr. Srijit Roy (NET)

Departmental Seminars (Date, speakers and title of the seminar)

8 November 2017. Professor Asish Kumar Banerjee, Former Vice-Chancellor of Calcutta University, delivered a talk on "Measuring Development: Welfare and Inequality."

10 November 2017. Professor Sugata Marjit, Former Vice-Chancellor of Calcutta University delivered a lecture on "International Trade Theory: An Overview."

11 November 2017. Professor Tirthankar Roy, London School of Economics, UK on "What Do Economic Historians do?"

16 November 2017. Prof. Amit Bhaduri, Professor Emeritus, Jawaharlal Nehru University on "Jobless growth: the Indian Case." Also Dr. Kaustav Banerjee: Assistant Professor, JNU spoke on "The processes of marginalization and the informalisation of the Indian economy."

28 January 2018. Mihir Kanti Das, College of Management & Economics Studies, University of Petroleum and Energy Studies, Dehradun spoke on "Faces of Socio-political Dimensions of the Ports in India."

23 February 2018. Dr. C. Rangarajan (Former Governor, RBI) spoke on "Globalization and Its Impact."

25 February 2018. Prof Franz Dietrich, Paris School of Economics, France delivered a lecture on "A Theory of Bayesian Groups."

24 March 2018. Dr. Arnab Mukherjee, IIM, Bangalore spoke on "Health Insurance and Health Security."

26 March 2018. Dr. Paramita Saha, Tripura University spoke on "Women Empowerment in India."

31 March 2018. Prof. Amit Bhaduri, Professor Emeritus, JNU spoke on "Theories of unemployment and current unemployment situation in India."

Participation in National/International Conferences/Seminars/Workshops by the faculty:

8-14 November 2017: UGC-SAP-DRS-II Sponsored "Research Methodology Workshop on Economic Theory."

All the teachers took part in this important workshop. The resource persons were the following: Professor Asish Kumar Banerjee (Calcutta University), Professor Swapnendu Banerjee (Jadavpur University), Professor Anjan Chakraborty (Calcutta University), Professor Sugata Marjit (CSSSC, Kolkata), Professor Tirthankar Roy (London School of Economics), Professor Soumyendranah Sikdar (IIM, Kolkata), Professor Tarun Kabiraj (ISI, Kolkata), Professor Ratan Kumar Ghosal (Calcutta University), Professor Amit Bhaduri (JNU) and Professor Sarbajit Sengupta (Visva-Bharati).

23-25 February, 2018: UGC-SAP-DRS-II Sponsored International Conference On "Globalization and Development". The distinguished guests and invited speakers were: Dr. C. Rangarajan (Former Governor, RBI), Professor Prabal Roychowdhury, ISI, New Delhi, Professor Chetan Ghate, ISI, New Delhi, Professor Siddhartha Mitra, Jadavpur University, Professor Jay Drydyk, Carleton University, Ottawa, Canada, Professor Pranab Kanti Basu, Visva Bharati, Professor Franz Dietrich (Paris School of Economics).

All the teachers took part in this important workshop. Some of them chaired the sessions and acted as resource persons.

16th March, 2018: UGC-SAP (DRS-II) sponsored 2nd Research Scholars' Workshop on "Economic Development and Rural India"

All the teachers took part in this important workshop. Some of them chaired the sessions and acted as resource persons/ commentators.

17th March, 2018: ECON-VISVA 2018 (A daylong seminar for post-graduate students of Economics and Social Sciences). All the teachers took part in this important workshop. They chaired the sessions and acted as resource persons/ commentators.

Participation in Seminars/Conferences/Workshops/ by individual teachers

Pranab Kumar Chattopadhyay

13-14 April, 2017: Key note speaker in National Seminar on "Dr. Ambedkar on Human Rights and Social Justice" organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati.

21 February 2018: Invited lecture on "Hypothesis as a Method in Science" and "Statistical Method in Social Sciences: Problems & Fallacies" organized by Sree Venkatesh University, Tirupati.

29 June, 2017: Key note speaker on 11th Statistics day on "Mahalanobish and Tagore" organised by Department of Planning, Statistics, Govt. of West Bengal.

27 October, 2017: Participated in discussion on "Japan-India Cultural Society". Main speaker Prof. Tomio Mizokami Professor Emeritus, Osaka University of Foreign Studies & President, Kansai Japan-India Cultural Society organized by Bhasa Bhavan, Visva-Bharati.

18-19 August, 2017: Lead speaker on "Vision of Rabindranath Tagore on Co-operative Society and Community Development" organized by Visva-Bharati Co-operative Credit Society Limited and Department of Life Long Learning and Extension [REC], Visva-Bharati. [Title of the lecture "Tagore on Rural Upheaval"].

5 May, 2017: Delivered an invited lecture on "Development; views of Mahatma Gandhi, Rabindranath Tagore, Lewis Mumford and Patrick Geddes" in the Workshop entitled "Voluntary Participation; Rural Development, Gandhian concepts" organized by Dept. of Rural Development, Tripura University.

6 April, 2017: Delivered an invited lecture on "Financial Inclusion, Poverty Eradication and Women Empowerment in India" in the National Seminar "Financial Inclusion in India" organized by Khujutipara Chandidas Mahavidyalaya.

Sudipta Bhattacharyya

8-9 November 2017: Delivered a Special Lecture as resource person entitled 'Neo-classicalism or Pluralism? Teaching and Research in Economics during the era of Neo-liberal Reforms in India' in 'Two Day Doctoral Scholars' Meet' Dibrugarh University, Dibrugarh organized jointly by OKD Institute of Social Change and Development, Guwahati and Department of History, Dibrugarh University, Dibrugarh.

Pranab Kanti Basu

9 November 2017. Delivered Keynote Address: 'Hegemony, Governmentality and the Indian State'. At University of Calicut, Kozhikode.

30 January 2018. Delivered Invited lecture 'Commodity Fetishism' at Dept of Economics, Calcutta University; IDSK; Rosa Luxemburg Stiftung; MCRG.

25 February 2018. Delivered lecture on "Globalization and Development" at Visva-Bharati.

Santadas Ghosh

7 November 2017. Delivered a Special Lecture on "Primary data from Field surveys: questionnaire designing, sampling and operational challenges" at Kerala Institute for Local Administration (KILA), Thrissur, Kerala (India) Jointly with INSEE. Also attended a presentation of a co-authored paper (presented by Saptarsi Chakraborty, joint author & M.Phil student of this Department). The paper title is "Propagating Salt Tolerant Rice: Possible Adaptation Strategy against Climate Change in Coastal West Bengal". Also attended a presentation of a co-authored paper (presented by Tapas Kumar Sutradhar, joint author & M.Phil student of this Department). The paper title is "Self-Governance of Fishermen in Sundarban: A Case Study."

14 February 2018. Delivered Keynote Address titled "Sample Designing in a Primary Survey" at Department of Economics, University of Calcutta.

27 February 2018. Chaired a Technical Session and discussed presented papers relating to Environmental Economics at Department of Economics, University of Burdwan.

Saumya Chakrabarti

10 March 2018. Delivered two Invited lectures and chairing a session on Credit flow to MSME and policy framework on MSME at National Institute for Industrial Engineering, NITIE, Mumbai.

Biswajit Mondal

9 June 2017. Delivered lecture on "Common Sense Economics and Union Budget 2017" at St. Paul's School, Darjeeling.

1 July 2017. Delivered lecture on ""GST: A Step Forward or Backward" at AKD Centre for Planning and Development, Visva-Bharati.

3-4 November 2017. "Delivered lecture on Outsourcing Factor prices and Skill Formation in Countries with Non-overlapping Time Zones" at Visva-Bharati.

Amit Kumar Biswas

23-25 November 2017. Delivered a lecture at Alexander von Humboldt Colloquium on "Data falsification and capital flight in international trade" at Bengaluru.

Soumyadip Chattopadhyay

3-4 November 2017. Presented a paper titled, "Contrasting Urban Policy Making and Governance in India and China" at Department of Chinese Language & Culture Visva Bharati in partnership with Consulate General of the People's Republic of China in Kolkata, Indian Council for Cultural Relations (ICCR), Institute of Chinese Studies Delhi (ICS) and Asia in Global Affairs.

2 February 2018. Participated as an Invited Speaker and presented a paper titled, "Fiscal Decentralization to Urban Local Governments: Evidence from West Bengal" at Center for Urban Economic Studies, Department of Economics, University of Calcutta.

13-15 October 2017. Participated as an Invited Speaker and presented a paper on "Issues with Teaching Econometrics in Indian Universities" at Azim Premji University Bengaluru.

1 November 2017. Participated as Resource Person and delivered a lecture on "Statistics for the Social Sciences" at A K Dasgupta Centre for Planning and Development, Visva-Bharati.

1 June 2017. Participated as Resource Person and delivered a lecture on "Introduction to Limited Dependent Variable Models" at A K Dasgupta Centre for Planning and Development, Visva-Bharati.

Achiransu Acharyya

6-10 February 2018. Presented a paper on "Impact evaluation of issues related to climate change and agriculture" at IEG, New Delhi.

19-21 February 2018. Presented a paper titled "Climate Smart Agriculture and Land Governance challenges in India" at India International Centre, New Delhi.

18-19 August 2017. Presented a paper titled "Assessing the role of Cooperatives under Globalization in India" at Visva-Bharati.

Details of other activities (Participation in TV, Radio/ Op Ed in Newspapers etc)

Saumya Chakrabarti published two articles on Demonetization and Budget in Ananda Bazar Patrika (Online editions 2017-2018)

Amit K. Biswas spoke on Doordarshan, Santiniketan on 9 August 2017 on "Green Economy and Indian Agriculture." He also participated in a Live Phone-in programme on Marketability of Agri Commodities at Prashar Bharati, Santiniketan, 28 November 2017.

Biswajit Mandal published several articles in Ei Samay. Bishwayon Somosya Noy, Dondo Tar Sufol Bonton Niye on 1 June, 2017; Kanyashree Othoba Ketabi Tottyter Sofol Proyog on 21 August 2017; Byaktir Jonyo Songoto Holei Sobar Jonyo Bhalo? on 23 November 2017; Proshno Holo, Bhoter Onkoi Ki Chalabe Arthoneetike (with Saswati Chaudhuri) on 5 January 2018; Proshno Holo, Sorkari Swasthyo Byabosthar Unnoti Hobe? on 6 February 2018.

Achiransu Acharyya gave an Interview at Doordarshan, Santiniketan on 22 May 2017. Topic "Agriculture expenditure in the Annual Budget of the Indian Government". He also gave an interview on 8 February 2018 on a documentary titled 'An abode of peace with memories of Rabindranath Tagore' made by Hindustan Times. As Associate Editor of Anustup Patrika he edited different volumes for Anustup. He also edited the Centenary Volume of the Economics Department of University of Calcutta titled 'Reality and Economics' published in February, 2018.

Participation in National/International Conferences/Seminars/Workshops by the Research Scholars:
The following scholars made presentation in the one-day Second Research Scholars' Workshop, organized by the Dept. of Economics & Politics, Visva-Bharati on 16 March, 2018: Kaberi Pal, Nirupam Saha, Harsha Tiwary, Suvajit Banerjee, Rishav Mukherjee, Alka Sree Prasad, Rajib Kaji, Saptarshi Chakraborty, Tapas Sutradhar, Subhasis Das.

Suvajit Banerjee presented a paper at 3rd SANEM Annual Economist's Conference, February 17 to 18, 2018. Dhaka, Bangladesh

Ongoing Research Projects in the Department:

Name of the Teacher	Name of the project	Sponsoring Agency	Amount Sanctioned (in Rs Lakh)
Sarbajit Sengupta	Adoption of Financial Technology in India	Newton fund Sponsored Project Birkbeck University of London	
Santadas Ghosh	Developmental Interventions, Rural Transformation and Environmental Sustainability: A Study on Sundarban in India	ICSSR	18.0
Santadas Ghosh	Doubling of Farmers' Income by 2022 - Issues and Strategies for West Bengal	NABARD	16.4
Saumya Chakrabarti	The informal sector in India	ICSSR	7.0
Achiransu Acharyya	Health Impact Assessment of Government Initiatives to mitigate Fluoride Contamination in Drinking Water in W.B,	Govt. of W.B	5.0
Soumyadip Chattopadhyay	District Plan of Birbhum	BAE&S Birbhum	3.26
Soumyadip Chattopadhyay	DHDR of Birbhum District	Dept. of Planning, Statistics and Program Monitoring, Govt. of West Bengal	11.145
Pranab Kr. Chattopadhyay	Study of urban Informal Sector Enterprises in Selected Towns of W.B	UGC MRP	8.46

Almost all the teachers are running individual or joint projects under UGC DRS II (SAP) programme.

Extension activity/ NSS/ Cultural and other activities organized by teacher(s) and participated by the students of the department:

(i) The department also organized a programme to celebrate the 'World Language Day'.

(ii) An exhibition of photography also took place at the department.

Academic Distinctions Gained by Teachers/ Research scholars in the Department:

Biswajit Mandal got offer of Visiting Professor at Soka University, Tokyo, Japan.

Amit K. Biswas has been awarded with a prestigious project of EURO 55,000 under Research Group Linkage Programme for three years in collaboration with University of Bonn, sponsored by the Humboldt Foundation and funded by Ministry of Education and Research, Government of Germany.

Priya Brata Dutta has received an offer to the post of faculty from Indian Institute of Foreign Trade, New Delhi/ Kolkata.

Rajib Kaji, research scholar has been awarded with the ICSSR Doctoral Fellowship 2017-18.

Publications by the faculty of the Department:

Pranab Kumar Chattopadhyay

Books/ chapters:

Issues in Sustainable Development in India: Present Problems and Future Perspectives, Edited by Prof. Pranab K. Chattopadhyay and Daya Shankar Kushwaha, Published by New Delhi Publishers, 2018.

Inclusive Development: New Challenges and Opportunities, New Delhi Publishers.

Apurba Kr. Chattopadhyay

"Analysing Varying Crop Productivity in Canal Irrigation: A Case Study of Damodar Valley Corporation (DVC) in West Bengal" (co-authored with Raj Kumar Kundu), Indian Journal of Agricultural Economics, Vol. 72, No. 4. October-December 2017. Pp. 513-534. ISSN: 0019-5014.

Saumya Chakrabarty

"MGNREGS of India: Complementarities between Employment and Infrastructure" a chapter in a book edited by Ramesh Das "Social, Health, and Environmental Infrastructures for Economic Growth" (with Pratip Kumar Dutta, Harsha Tiwary) 2017, IGI Global, USA, ISBN: 978-15225-2364-2.

"Globalisation of Agriculture via Crop Diversification: A Strategy towards Achieving Inclusive "in a book The New Rural Paradigm: Policies and Governance, Eds. Dr. Gyanmudra and Dr. M. Sarumathy, (with Durgesh Mani Tiwary, ISBN 978-93-84503-72-7); Published by National Institute of Rural Development and Panchayati Raj (NIRD&PR), Hyderabad.

Biswajit Mondal

"Time Zone Difference, Comparative Advantage and Trade: A Review of Literature", Eurasian Journal of Economics and Finance, (with Alaka Prasad & Prasun Bhattacharjee, 5(3), 1-16.

"Does NOTA Affect Voter Turnout? Evidence from State Legislative Elections in India,"Asian Journal of Economic Modelling, (with Arindam Mandal & Prasun Bhattacharjee, 5(3), 331-341.

"Infrastructure Development Versus Direct Cash Transfer: A General Equilibrium Comparison,"Review of Economics, (with Sugata Marjit & Tonmoy Chatterjee, 68(1), 63-74.

"Reform, Informal Sector and Extortion,"Economics and Politics, (with Sugata Marjit & Hamid Beladi), 30(1), 106-123.

Soumyadip Chattopadhyay

Article "Availability of Infrastructure Facilities in India: Prospects and Challenges"(co-authored with Sampriiti Pal), Ramesh Das (eds) Handbook of Research on Economic, Financial and Industrial Impacts on Infrastructure Development, Chapter 7 pp. 143-163, IGI Global, USA.

"Reflecting on Complexities of Neo-liberal Urban Transformation in Indian Cities,"Local Government Quarterly, LXXXVII (2), April-June, pp. 67-76.

"Neoliberal Urban Transformation in Indian Cities: Paradoxes and Predicaments,"Progress in Development Studies (Sage Publication), 17 (4), pp. 307 - 321.

"Crop Diversification in West Bengal: A District Level Analysis for the Period 1980-81 to 2011-12," Sumana Mukherjee (Co-author), Journal of Rural Development, 36 (4), pp. 501-530.

"Social Sector Expenditure in India in the 2000s: Trends and Implications,"Journal of Development Policy and Practice (Sage Publication), 3 (1), pp. 16 - 40.

Achiransu Acharyya

"Climate Change Smart Farming Practices: A Review," (with Madhusudan Ghosh), Kamal R. Gupta and V.B. Angadi ED. Gaurang Publishing Globalize Private Limited, Mumbai, 2017.

"Sustainable Development of Groundwater Resources in India: A Relook at Policy Initiatives,"Indian Groundwater, Vol - VIII.

'Ki na Bikikini Ei Bazar e' (Article in Bengali), AACUED Centenary Volume.

Anamika Moktan

Book:

Contemporary Issues In Agriculture, Environment and Rural Development in India (ED), New Delhi Publisher, 2017.

Priya Brata Dutta

"Tourism Development, Environmental Pollution and Economic Growth: A Theoretical Analysis" (with M R Gupta), Journal of International Trade and Economic Development, 27, pp.125-144.

Designing New Course/ Curriculum introduced by the Department:

During April 2017 - March 2018, we had lengthy and detailed deliberation among the faculty members and the external members of the BoS and finally, following the UGC guideline, we have restructured both the UG and PG syllabus and the new syllabus has already been implemented. We have already transformed the seminar hall into a smart (class) room. We have also introduced the CBCS courses.

Brief History of the Department and Future Plan

The Department of Economics & Politics began its journey as a separate department in 1953 under Siksha-Bhavana (Institute of Science). Later it came under Vidya Bhavana (Institute of Social Sciences) and the first batch of postgraduate students came out in 1958 and the first Ph.D was awarded in 1969. From the very outset the department focused on empirical research in the area of agriculture and rural development. The faculty of the department distinguished themselves in research on areas including land tenure, farm management, agrarian productivity and rural poverty. Much of this research was carried out in collaboration with the well-known Indian and international economists, as well as with other departments/ centres of Visva-Bharati like Agro-Economic Research Centre, Santiniketan and has won recognition in India and abroad. While the principal focus remained the same throughout, the research interests of the department gradually broadened to include the areas of planning, economic development in general, participatory rural development, macroeconomics, international trade, political economy and environment-resource economics.

In recognition to its research activities in these areas, the Planning Commission of India has provided the Department with an endowment of Rupees thirty lakhs to set up a unit on Planning and Development (Planning Unit) and for setting up a Chair as well as carrying out research and other related activities. The Planning unit has recently been renamed as 'A K Dasgupta Centre for Planning and Development' by Visva-Bharati with the approval from the Planning Commission. The University has relocated this Centre from the Department of Economics & Politics to the former residence of Late Professor A. K. Dasgupta (Address: Nirala, 33 Purbapalli, Santiniketan) donated by Professor Partha Dasgupta, Frank Ramsay Professor, University of Cambridge and Dr. Alakananda Patel, son and daughter of Professor Dasgupta, respectively. However, the change is only in geographical location and the centre continues to function under the department. Professor Pranab Kumar Chattopadhyay of Department of Economics & Politics is now holding the post of the Chair Professor (Honorary).

After the successful implementation of DRS - I, the department has been sanctioned more than 1 crore of rupees under DRS - II, it is successfully running from 1st April, 2015 under the new programme coordinator Prof. Apurba Kumar Chattopadhyay, who has taken charge of this SAP - DRS II from 2016. Our SAP programme has become very vibrant and as a result, various events take place all through the year.

The Department has also adopted various new plans of diversifying academic activities. It has vision to take up action research as well as interdisciplinary research in collaboration of other Visva-Bharati departments as well as institutions outside the Visva-Bharati. Particularly the department is keen to strengthen its ongoing collaborative work with Agro Economic Research Centre and Palli Charcha Kendra. Also it would like to establish collaborative research with Social Work and Agriculture, Santiniketan. Department has an aim to publish a journal with the focus on its ongoing research. With the formation of Academic Staff College in Visva-Bharati, our department aims to introduce refresher course in Economics. The Department also aims to organize workshop to train young scholars of Visva-Bharati and other academic institution.

However, scarcity of space is one of the most important problems that this Department is presently

facing. This is compounded by the poor state of the building that houses the Department. The poor and often defunct internet connectivity, lack of cooling system in the meeting room and seminar library, particularly during summer season due to non-availability of air conditioning facility needs immediate attention from the authorities. As the Department has been promoted to DRS-II stage of SAP, we expect more infrastructural facilities and space to be provided to it from the appropriate authority.

Any other Relevant Information on the Department :

During academic year April 2017 - March 2018, the department has hosted many international and national scholars. Notably the visits by Prof. Professor Franz Dietrich of Paris School of Economics (1st January 2018 - 28th February 2018) and Prof. Amit Bhaduri, Professor Emeritus, JNU have immensely benefited the students by having frequent interactions and interactive seminars and workshops.

The students of the department have also excelled in sports, especially in football, cricket and Badminton.

DEPARTMENT OF GEOGRAPHY

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:

UGC (JRF) - 03, NET - 10

Conference/Seminar/Workshop/Exhibition etc attended by Teachers in details.

Malay Mukhopakhyay

19-20.04.2017. Delivered Lecture in 3rd International Seminar on 'Earth System Processes and Interruptions: Issues and Challenges' at University of Gour Banga, Malda on "Neo-Deterministic Approach: The Future Trend of Understanding the Earth System Processes"

12.09.2017. Delivered a Special Lecture as Resource person in the Regional Seminar organised by Department of Geography, Krishna Chandra College, Hetampur on "Neo-Deterministic Approach in Environmental Hazards Management".

15.12.2017. Delivered a Special Lecture in the Department of Geography, Dhruva Chand Halder College, South 24 Parganas on "Neo-Deterministic Approach in Environmental Hazards Management".

14.12.2017. Delivered Lecture in 2nd Regional Science & Technology Congress, Southern Region in collaboration with the Dept. of Higher Education, Science and Technology & Biotechnology, Govt. of West Bengal at university of Kalyani on ""Interrupted Earth System Processes "".

18.01.2018. Delivered Invited Lecture at B.C. Mukherjee Hall of Vidyasagar University on "Geomorphosite selection methods with special reference to the Kopai River of Western upland drainage basin of West Bengal".

25.02.2018. Delivered Lecture in the National Seminar on Development of Geographical Research: Role of Geographers in India at Maghnad Saha Auditorium, Raja Bazar Science College organised by Bangiyo Bhugol Mancha on "Role of Geographical Knowledge in creation of Geomorphosite Tourism on a River Source Point".

25.03.2018. Delivered Lecture in the International Interdisciplinary Conference on Road map for the development of Eco-Tourism in and around Santiniketan & Birbhum in collaboration with Ministry of Tourism, Govt of India & Dept. of Tourism, Govt. of West Bengal organised by Public Relations Office, Visva-Bharati on "Employment Generation by Creation Halt Points along the trek route of river Kopai: An Avenue for the development of Eco-Tourism through Adventure Tourism".

Uma Sankar Malik

Participated as Resource Person in 4th International Seminar on Population, Urbanisation and Environment: Contemporary Issues and Challenges, 21-22 March 2018, Department of Geography, University of Gour Banga, West Bengal.

V.C. Jha

24-25 May 2017. Participated in the 8th International Buddhist Research Seminar and 2nd International Conference on Buddhasa Studies, Bangkok, Thailand.

1-5 April 2017. Participated in the 4th National Conference and the 2nd International Conference, organized by the Academic Affairs of Mahachulalongkorn Rajavidyalaya University, KhonKaen Campus (MCU KK), Thailand.

01 November 2017. Delivered Todarmal Endowment Lecture in the 37th INCA International Congress, on The Role of Maps in Building A Stronger Nation at National Hydrographic Office (NHO), Dehradun.

Sutapa Mukhopadhyay

18 November 2017. Delivered Inaugural speech in 3rd International Seminar entitled "System Dynamics, Human Nature Interaction and Societal Discourse", organized by Department of Geography, University of Burdwan.

23 March 2018. Presented paper in the National Seminar on "The World of Geography", organized by Foundation of Practising Geographers, Kolkata, paper entitled 'Partnership between Cultural Heritage and Tourism- An approach to Geo-tourism in Purulia District, West Bengal'.

Premangshu Chakrabarty

October 27-28, 2017. "International Seminar on Re-envisioning Globalization, Development and New World Order: Perspectives from Developing Countries" organized by School of Arts and Languages, Lovely Professional University, Punjab. Title of the Paper is "Assessing Disaster Management Initiatives in Tourism Areas: A Study in Nepal".

February 8-10, 2018. "XI International Geographical Union (IGU) Commission Seminar" organized by Department of Geography, B. Borooah College, Guwahati, India. Title of the paper is "Fossil Parks Initiate New Horizon in the Field of Geotourism".

December 5-7, 2017. National Seminar "39th Indian Geography Congress" organized by Department of Geography, Osmania University, Hyderabad. Title of the paper is "Peace and Tourism : A symbiosis in geopolitical context".

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the department:

Fresher's welcome, Farewell function, Teachers Day Celebration, Intra Departmental Football & Cricket Tournament.

Others

V.C. Jha became Member of the Editorial Board of NCU KK International Journal "Journal of Buddhist Education and Research or JBER, Thailand 2017-2018. He was also a member of the Organising Committee of MCU KK International Conferences, Thailand 2017-2018.

Sutapa Mukhopadhyay was included as external expert in Departmental Research Committee(DRC) in the Department of Geography, Burdwan University. She was also selected as Judge in 'Meet The Scientists' Session of the 2nd Regional Science and Technology Congress, organised by Burdwan University and DHESTBT, Govt of West Bengal, Nov 16-17,2017 at Burdwan University.

Krishnendu Gupta was appointed as Vice-Principal, Vidya Bhavana, Visva-Bharati

Publications within the year April 2017-March 2018.

Uma Sankar Malik

(2017) Processes and Pattern of Urbanisation in North 24 Parganas District, West Bengal, IJRS, Co-author- C.Sarkar, Vol. XLIX, No.1, pp. 43-52, UGC Journal and Peer reviewed.

(2017) The Study of the Developmental Gaps in the Education System of Dakshin Dinajpur, West Bengal, IJRS, Co-author- M.Rahaman, Vol. XLIX, No.1, pp.53-58, UGC Journal and Peer reviewed.

(2017) An Overview of Urban Outgrowths in West Bengal and its Role in Urbanisation, Co-author: C, Kundu, IJRS, Vol. XLIX, No.1, pp.86-97, UGC Journal and Peer reviewed.

(2018) Status of Gender Inequality in India after Independence, Practising Geographers, Summer, Co-author -U.Chattopadhyay, Vol.22, No:1 pp.71-87, ISSN 0975-3850.

(2018) Influence of Demographic Indicators on Sex ratio: A case study of Birbhum District, IJSS, Co-author-U.Chattopadhyay, Vol.9, No.1, pp.74-79, ISSN 2249-3921, EISSN.2249-4316

Malay Mukhopadhyay

"A Neo-Deterministic Approach for Sustainable Agricultural Development" in Food Security & Urbanization Equilibrium, ed. Mahuya Sen. Kolkata: Ashadeep Publication, 2017, pp. 66-74.

"A Strategic Plan for Environment Stewardship of Khoai landscape of Santiniketan and its surroundings, West Bengal" Geographical Review of India, Kolkata, vol.89, No.1, March, 2018, pp. 1-6.

V.C. Jha

Edited two volumes Cartography and Climate Change, Indian Cartographer, Volume36, Parts-I & II, 2016.

Seminar proceedings: Role of Geospatial Technology in Analysis and Mapping of Some Important Buddhist Sites in India and its Cultural Geography Significance in Thailand; NIC 2017 MCU KK "Buddhist Innovation for Developing Thailand" 4th National and 2nd International Conference 2017 MCU, KhonKaen Campus, Proc. Pp 85-95

Seminar proceedings: Buddhist Religious Sites in India and Sustainable Development : Cultural Geographical Analysis Using Remote Sensing and GIS Techniques, The 8th International Buddhist Research Seminar and 2nd International Conference on Buddhasa Studies, Bangkok, Thailand, 24-25 May 2017, p.45-58

Sutapa Mukhopadhyay

"Vulnerability assessment through index modelling: a case study in Muriganga-Saptamukhi interflaves, Sundarban, India." Arabian Journal of Geosciences. (Sept 2017). Doi: 10.1007/S12517-017-3197-4

" Identification of flood risk zones of Labpur Block, Birbhum district, West Bengal" Indian Journal of Spatial Science, (Sept, 2017), Vol 8.0 No 2 pp 83-89, ISSN 2249-3921, EISSN 2249-4316

"Evolution of Paltar Bil and Associated Problems, Purbasthali Block, Burdwan District". Practising Geographer. Vol 22.No 2 . (2018)., pp 27-42 , ISSN 0975-3850

"Assessment of Lower Subarnarekha River's Reaches through Channel Classification", Indian Journal of Spatial Science, (March, 2018), Vol 9.0 No 1, pp 65-73, ISSN 2249-3921, EISSN 2249-4316

Premangshu Chakrabarty

"Geospatial Technologies for Sustainable Practices" in Geospatial Technologies for Sustainable Management, ed. Prasenjit Pal. Burdwan: Avenel Press, 2017. pp.13-19.

"Assimilation and Synthesis in Jagannath Cult- A cultural Geographical Analysis" Indian Journal of Landscape Systems & Ecological Studies, Vol.40, No. 1.

"Travel Motivation Analysis: A Study in Annual Festival of Joydev-Kenduli" Journal of Interacademia, Vol. 21, No.4

"Destination Image in Tourism Planning: A Study in Spatial and Geo-political Context" Practicing Geographer, Vol. 21, No. 2.

"Geotourism Mapping for Sustainability: A Basin Oriented Approach" GeoJournal of Tourism and Geosites, Vol.11, No. 1.

"Application of Geospatial Technology for Managment of Trekking in Mountaineous Environment: A Case Study of Darjeeling-Sandakphu Route, West Bengal" Indian Journal of Spatial Science, Vol. 9, No. 1.

Krishnendu Gupta

"Mapping peri-urbanization in a non-primate city: A case study of Burdwan" India Journal of European Academic Research, Vol. V, Issue, 11, pp 6065-6081, Feb 2018 co authored with Mohammad Arif.

"Mango Cultivation in Malda District, West Bengal: A Historical Perspective" Journal of Asian Agri-History Foundation, Vol. 21 No. 4, pp 309-319, Oct Dec 2017 Co authored with Md. Najmus Saadat.

"Morphometric analysis of Pagla river basin, Eastern India using Geographical Information System (GIS)". International Journal of Scientific Research, Vol.6, Issue. 9, pp.28-30., 2017 Co authored with Krishanu Dutta.

"Assessment of water logging in Pagla river basin, Eastern India, By remote sensing and GIS techniques". Researchers World - Journal of Arts, Science & Commerce, Vol. VIII, Issue - 4 (2), pp. 74 - 79. 2017 Co authored with Krishanu Dutta.

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development.

The Department of Geography was established in the late sixties (1968) with only 3 years undergraduate honours course. Subsequently the two years post-graduate course was introduced in 1978 with a total capacity of approx. 50 students in each year. Besides, the department also conducts researches leading to Ph.D. degree since late eighties. At present 41 research scholars are pursuing their research programme for Ph.D. degree. 13 scholars are holding the UGC-NET (JRF &SRF) position. The department has started CBCS course in undergraduate level following UGC guidelines and the courses on 'Disaster Management' and 'Climate Change' have introduced as Generic Elective in UG level.

Keeping in mind the present developmental trends in Geography, the department in recent years has paid attention particularly to the following thrust areas of the subject like water resources management, landscape ecology, population & settlement, infrastructures development, Urban & regional planning and development etc along with the existing course curriculum. The department also feels that the installation of modern systems are required for collecting, processing and displaying the spatial and non-spatial data and to meet this demand an Advanced PG diploma Course in Geo-informatics will be installed to provide trained manpower.

Particulars in details of the Departmental Library :

- a. Area in (sq. meters) quoted for the library- 30ft.x20ft.
 - b. Is there separate provision for Reading Room? -No
 - c. Total No. of books: 1440
 - d. Total No. of books purchased during the year- The record is with the central Library
 - e. Total Number of Periodicals - Nil
 - f. Total Number of periodicals purchased during the year- Nil
 - g. Total Number of Reader - 300
 - h. Total Number Books and periodicals issued - 500
 - i. Total Number of staff-members(Category wise) -No library staff
- Teaching Staff (Details) Please note that every col. Must be filed up as desired by UGC

DEPARTMENT OF HISTORY

Participation in Seminars/Conferences/Workshops by the teachers of the Department Amarendra Kumar

13-15 July, 2017. Paper titled 'Sovereignty and the Sea: A Note on the Contested Claims of the Marathas, Mughals and the Europeans on the Konkan Littoral (1650-1750)', presented at the Oxford Naval History Conference 2017 on 'Economic Warfare and the Sea (1650-1950)' held at All Souls College, Oxford, UK.

01-03 November 2017. Paper titled 'Cartographic Practices during the Mughal Rule in India (1556-1707)' presented at 37th INCA International Congress, 2017, on 'Geo-informatics for Carto-diversity and its Management' at National Hydrographic Office, Dehradun.

28-30 December 2017. Paper titled 'Battle for Khanderi-Underi: An Episode in the History of the Maratha Navy (1679-80)' presented at 78th Session of the Indian History Congress at Jadavpur University, Kolkata .

Arpita Sen

2-4 October 2017. 'The Contribution of the Brahmos towards the improvement of the educational scenario in the Khasi Hills' (1890s-1940s)in the 38th Annual Conference of North East India History Association held at D. K. Girls' College, Mirza, Guwahati.

13-14 November 2017.'Partition Politics in Ireland and India: Some Analogous Concepts and Procedures' at the National Seminar on 'Partition of the Indian Sub-Continent: Punjab and Bengal 1932-1947' held in the Department of History, Visva-Bharati.

28-30 December 2017.'Belonging to One Nation: The Role of Two Irish Ladies in Fostering Nationalist Consciousness in India, in the 78th session of the Indian History Congress held at Jadavpur University, Kolkata.

Atig Ghosh

18-19 April 2017. Presented a paper entitled 'Popular Politics and Agrarian Movements in Colonial and Postcolonial Birbhum' at the International Conference on 'Localities and Linkages: South Bengal in the Colonial Period' organized by the Department of History, Bankura University, Bankura in collaboration with the Indian Council of Historical Research (ICHR), New Delhi. Also chaired a panel.

10-11 November 2017. Presented a paper titled 'Turning over a New Leaf: Inurbane Narratives in the Nineteenth-Century Nakshas of Calcutta' at a National Seminar on 'Politics of Difference and (Re)locating Marginality: Reflection in Indian Literature' organized by Bhasha-Bhavana, Visva-Bharati.

Bipasha Raha

02-03 February 2018. Participated and chaired two academic sessions in the UGC SAP DRS and MAKAIAS sponsored National Seminar on 'Understanding Popular Culture: 20th Century India' organized by Dept. of History, VB.

February 2018. Presented a Paper in the National Conference of the Asiatic Society on 'A Comprehensive History of Modern Bengal' in Calcutta.

Sandip Basu Sarbadhikary

28 April 2017. Participated as invited resource person at the 47th Annual International Conference of Bangladesh Itihas Parishad and presented a paper on 'Anchalik Itihas Charchar Prasangikata' at the Nawab Ali Chowdhury Senate Bhaban, Dacca, Bangladesh.

Delivered a speech as Resource Person on 'Swadeshi Movement and Culture' in the Department of History on 25 August 2017 at Raja Narendralal Khan Women's College, Midnapore.

13-14 November 2017. Participated and chaired a session at the National seminar on 'Partition of the Indian Subcontinent: Punjab and Bengal, 1932-1947' organized by the Department of History, Visva-Bharati.

02-03 February 2018. Participated and chaired two academic sessions (on the first day of Tanika Sarkar and the second day of PhD scholars of the Department of History, Visva-Bharati) of the DRS SAP Phase III UGC National Seminar on 'Understanding Popular Culture: 20th Century India' organized by the Department of History, Visva-Bharati.

Sudhi Mandloi

13-14 April 2017. Attended and presented a paper entitled 'Dr Ambedkar's Concept of Social Justice: Reflections on Human Rights violation of Dalit women' in the National Seminar on Dr. B.R Ambedkar and Social Justice held at Visva Bharati .

13-14 November 2017. Attended and presented a paper entitled 'Communal Award and its implications on the Depressed Classes in the National Seminar on 'Partition of the Indian sub-continent: Punjab and Bengal 1932-1947', at Dept. of History, Visva Bharati.

22-23 March 2018. Attended and presented a paper entitled 'Emergence of Dalit feminism: Issues of Dalit Women in Historical Perspective' in the National Conference on 'Historical perspectives on predicaments and rights of women in India' held in Bharati College, University of Delhi.

Syed Ejaz Hussain

2 July, 2017. Delivered Professor Tapan Raychaudhury Memorial Lecture organized by Paschim Banga Anchalik Itihas o Loksanskriti Charcha Kendra at Bidhannagar College, Kolkata. The topic of the Lecture was 'The Theory of Acculturation and Medieval India'.

12 July 2017. Delivered two special lectures in Patna at the invitation of Bihar Heritage Society, Patna. The topics were 'Mughal Coinage: A Study' and 'Mughal Mints: A Study'.

7-9 February 2018. Participated in the Conference held in the Asiatic Society, Kolkata on Writing Comprehensive History of Modern Bengal and presented a paper titled 'The Muslim Literati and Their Social, Political and Religious Thoughts in the 18th Century'

10 February 2018. Delivered a lecture on 'Medieval Indian Coins with Special Reference to Mughal Coinages for Reconstructing History of India' at Vivekananda College for Women, Kolkata.

Publications by the Teachers during the year:

Amarendra Kumar

'Aspects of Pre-Modern Cartography of the Konkan Coast, and the Causes of Success of the Maratha Naval Enterprise (1660-1750)' in Indian Cartographer (Journal of the Indian National Cartographic Association), Vol. 36, Part-II, 2016, pp. 420-25, ISSN: 0972-8392

'The European Merchant-Warriors and the Marathas on the Konkan Coast: A Brief note on the Alliances and Naval Conflicts in Early 18th Century', in Mohammad Nazrul Bari and H. M. Mohammadullah, eds., Deccan: Culture, Heritage and Literature, pp. 432-445, Manak Publications, 2017.

Arpita Sen

'The Kamarupa- Sikh Connection: An Appraisal,' in Proceedings of the North East India History Association ed., Amarendra Kumar, Thakur, Shillong, pp.412-424

'The Missionary Among the Khasis,' in Mapping the Path to Maturity A Connected History of Bengal and the North -East, ed., by Bipasha Raha and Subhayu Chattopadhyay, Delhi; Manohar, 2018, pp.137-80.

Arunava Das

Pahare Paraberano, ISBN: 978-93-87575-15-8, Abhijan Publishers, Kolkata, January 2018.

Amar Jhargram, ISBN: 978-93-87575-14-1, Abhijan Publishers, Kolkata, January 2018.

Atig Ghosh

Occasional Paper 'Fluid Futures: Migrant Labour and Trafficked Lives in Millennial Siliguri' published by the Tata Institute of Social Sciences (TISS), Patna, 2017.

“লালমাটি, বামপন্থী সংগঠন ও গণ-আন্দোলনের আবহে বীরভূম”, অনুষ্ঠপ (বিশেষ সংখ্যা, “আন্দোলন ১৯৪৭-৭০”) VOL. LI , NO.4 সম্পাদনা অনিল আচার্য, জুলাই ২০১৭, ISSN 0974-2697

'The Postcolony and the 'Racy' Histories of Accumulation', in Iman Kumar Mitra, Ranabir Samaddar and Samita Sen (eds.), Accumulation in Postcolonial Capitalism, Springer: Singapore, 2017, ISBN 978-981-10-1036-1

'People, Politics and Protests VII: The Radical Rural: Left Organization, Revolutionary Upsurge and Popular Movement in Midnapore and Birbhum, 1940s-1970s' (jointly with Anwesha Sengupta of the Institute of Development Studies-Kolkata), Policies & Practices Vol. 92, December 2017, ISSN 2348 0297

'People, Politics and Protests VIII: Left Front Government in West Bengal (1971-1982): Considerations on 'Passive Revolution' & the Question of Caste in Bengal Politics', Policies & Practices, Vol. 93, December 2017, ISSN 2348 0297

'What, Drawn, and Talk of Peace! Security: Development and the Autonomy Question in the Indian North-East' in Bipasha Raha & Subhayu Chattopadhyay (eds.), Mapping the Path to Maturity: A Connected History of Bengal and the North-East, New Delhi: Manohar, 2018, ISBN 978-1-138-49094-9

'The Importance of Being Siliguri: Border Effect and the 'Untimely' City in North Bengal' in Brett Neilson, Ned Rossiter & Ranabir Samaddar (eds.), *Logistical Asia: The Labour of Making a World Region*, Singapore: Palgrave Macmillan, 2018, ISBN 978-981-10-8332-7

Bipasha Raha

Book:

Bipasha Raha and Subhayu Chattopadhyay (ed.) *Mapping the Path to Maturity, A Connected History of Bengal and the North-East*, New Delhi: Manohar, 2018. Also wrote the Introduction (pp.11-26).

Articles:

'Ladies' Parliament: Literary Representation as a Site of Female Interaction in Colonial Rural Bengal,' in Bipasha Raha and Subhayu Chattopadhyay (ed.) *Mapping the Path to Maturity, A Connected History of Bengal and the North-East*, New Delhi: Manohar, 2018

'Agrarian Thinking in Bengal in the Nineteenth Century,' in Arun Bandyopadhyay and Sanjukta Das Gupta (ed.) *In Quest of the Historian's Craft, Essays in Honour of Professor B.B. Chaudhury, Part I: The Economy*, New Delhi: Manohar, 2018.

Sabyasachi Dasgupta

'A Case of Multiple Existence: The Loyal Bombay Purbaiya and his Rebellious Cousin' in William Pittgrew and Mahesh Gopalan, ed., *The East India Company 1600-1857*, Routledge, 2017.

'The Renaissance Man: A Proud Fighting Man' in Anuradha Chatterjee, Suparna Ghosh and Srijata Chakravarty, ed., *Rethinking The Renaissance*, Loreto College, 2017

Subhayu Chattopadhyay

Edited a volume (jointly with Bipasha Raha), titled *Mapping the Path to Maturity: A Connected History of Bengal and the North-East*, Delhi: Manohar, 2018. Also wrote the Introduction (pp.11-26)

'Too Long a Prelude? The Formative Century in Bengali Theatre' in *Mapping the Path to Maturity: A Connected History of Bengal and the North-East*, Delhi: Manohar, 2018, pp. 235-54.

Others:

Professor Syed Ejaz Hussain was invited by the Rampur Raza Library, Rampur for the purpose of identifying antiquities preserved in the Library. I visited this Library and stayed there for a week (24-31 May, 2017) and did the work of identification of antiquities like arms and armory, crockery items, decorative items made of ivory, copper/brass, iron, wood, instrumental items, miscellaneous items in metal, ivory and terracotta, paintings, some stone inscriptions and different other items spanning over the period from c. 2nd century BC to the 19th century AD. A good number of these items carried some inscriptions in Persian, Urdu, English and Hindi. After deciphering their inscriptions, these items were properly identified and their utility was fixed.

Arunava Das received Nabangkur (A Bengali literary group) Sahitya Samman on 8 November 2017 at Jadavpur University, Kolkata for contributing in Bengali literature.

He published a total of 26 travel articles and 128 photos in magazines, newspapers and periodicals. Some of the magazines are: *Bhraman* (ISSN: 0971-8885), *Long Journey* (ISSN: 2455-1767), *Aajkal*

Safar, Saptahik Bartaman, Anandabazar Patrika Web edition, Dainik Jugasankha. He also published short stories in Unish Kuri (ABP publication) Femina Bangla (Times of India periodical)

Subhayu Chattopadhyay was Convener of a National Conference on 'Understanding Popular Culture: 20th Century India' on 2-3 February, 2018 at the Department of History, Visva-Bharati

DEPARTMENT OF ANTHROPOLOGY

Only National & International standard Conference/Seminar/Workshop/Exhibition

Rangya Gachui

19-21 January, 2018. International conference on Indigenous People, Human Security and Sustainable Development: Emerging challenges in the present global context. Presented a paper entitled "Traditional house construction of Tangkhul Nagas".

10 February 2018. Chaired an academic session at national seminar on "Srimanta Sankardeva and his times" organized by Assamese Language Unit, Bhasha-Bhavana, Visva-Bharati.

Publication within the year April 2017- March 2018

Arnab Ghosh

Nag T and Ghosh A. "Indian diabetes risk score and clustering of metabolic syndrome phenotype in a rural community of Asian Indian Origin." *Diabetes Research and Clinical Practice* 113 (2): 44-49. 2017.

Nag T and Ghosh A. "Cardiometabolic risk factors by fasting blood glucose tertiles in a rural community of Asian Indian origin." *International Journal of Biomedical Research* 8 (3): 125-130, 2017.

Nag T and Ghosh A. "Cardiovascular disease risk factor clustering among rural adult population in West Bengal." *India Obesity Research and Clinical Practice* 11 (2): 124-132. 2017.

Ghosh A. "Comparison of Obesity Measures, Lipids Profiles, blood glucose, Lipoprotein (a) and Apolipoproteins in Lean and Obese Dyslipidaemic Subjects of Asian Indian Origin *World Journal of Pharmaceutical and Medical Research* 3 (3) 2017.: 86-91

Dutta T and Ghosh A. "Percentiles distribution of CVD risk factors in elderly of Asian Indian Origin: The Santiniketan Longitudinal Study on Aging." *International Journal of Science and Research* 6 (9): 2018. 1009-1013

Biswas N and Ghosh A. "Comparison of obesity measures, body composition and blood pressure by ethnic groups: a cross-sectional study from Santiniketan, India." *European Journal of Biomedical and Pharmaceutical Sciences* 4 (10): 2018. 306-311

Jyoti Ratan Ghosh

Roy S, Ghosh JR. "Hypertension in Asian Indian Children and Adolescents: A Systematic Review on the prevalence and associated risk factors." *J Life Science* 2017; 9: 55-63.

Ghosh JR, Ghosh Dastidar P, et.al. "Palmar dermatoglyphic traits in type 2 diabetes mellitus patients of Bengalee Hindu caste population of West Bengal, India: A cross-sectional study." *JBS* 2016;3:18-23 (Published online: Dec. 21, 2017).

Dutta P, Ghosh JR. "Obesity and Ovarian Cancer: A Review." *North Bengal Anthropologists* 2017; 5:30-37.

Ghosh JR, Chatterjee D, Bandyopadhyay AR. "A preliminary survey at Kangshabati, Dulung and Tarafeni River Valley in Midnapore District: An exploration." *The Asian Man* 2017; 11:155-158.

Rangya Gachui

Book

Contemporary Social Issues: Social Anthropological Inquiries, Edited by Rangya Gachui Akansha Publishing House, New Delhi. 2017. ISBN 987-81-8370-482-3

Book Chapters

"Phukreila the ambassadors of Peace", in Irin Mustafa Mandal and Tirthankar Mandal (eds) Sustainable Development: Challenges faced by the women and backward communities in Rural India, 2017.

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development:

The Department of Anthropology was bifurcated from the Palli Charcha Kendra. PSV, under which a two year PG course of Anthropology has been running since 1991. But it was created as an independent department on 02.02.2010 under Vidya-Bhavana (Institute of Humanities and Social Sciences). The department is now offering a two year MA/MSc course in Anthropology having two major special papers, Biological Anthropology and Social Cultural Anthropology with several micro areas. The department also conducts one semester Ph.D. course work. The department introduced and published its own biannual journal 'Nritatta-The Anthropology' with ISSN 2249-9830.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included :

Future plan:

1. Updating the present course curriculum
2. Exploring the possibility of introducing short-term courses
3. Introducing BA/BSc (Hons) course

CENTRE FOR JOURNALISM & MASS COMMUNICATION

Name of the students qualified in UGC/CSIR/NET/SLET& GATE Exam:

Arpita Manna - NET

Debayan Bhaduri - NET

Lokesh Chakma - NET

Departmental Seminar (Speakers, Title of the seminar, date) :

4-12 September 2017: Documentary and Short Film Making production and Edit Workshop jointly with Indira Gandhi Centre, Visva-Bharati in collaboration with Films Division of India, Satyajit Ray Film & Television Training Institute Kolkata.

25 November 2017: A half day symposium on "Is media going too much pessimistic" was conducted. Tapabrata Ghoshal, Media Marketing Expert (Former DGM, ABP Group) and Tarun Goswami, Resident Editor, Kolkata, The Millennium Post were the two invited speakers and Prof. Biplab Loho Choudhury chaired the symposium.

Center level workshops:

1. Prasanta Pal, Associate Editor, The Parliamentarian, New Delhi conducted a centre level Journalism workshop on 27 July, 2017.

2. Samir Goswami, past National President, Public Relations Society of India conducted a workshop on PR on 25 July, 2017.

3. Dr. Sadananda Sapre, All India Coordinator, Pragya Prabaha delivered a special lecture on India's Science & Technology Heritage on 18th August 2017.

4. Prof. Kripashankar Choubey, Professor, Antarrashtriya Hindi Vishwavidyalaya Wardha delivered an invited lecture on Growth & Rise of Print Media on 11 September, 2017.

5. Silajit Guha, Professor, Sikkim University conducted a workshop on Media Research on 11 September, 2017

6. Snehasis Sur, Special Correspondent, Door Darshan conducted a workshop on Broadcast Journalism on 14th September, 2017.

7. Bidyut Nath, Vice-President, Sreyee Group conducted a workshop on 'Corporate Communication' on 11th November, 2017.

8. Prasanta Paul Conducted a workshop on Reporting on 12th October, 2017.

9. Mrintunjoy Chatterjee, Founder of Thoughtshop conducted a workshop on 'Advertising Strategy' on 18th November, 2017.

10. Abhijit Dasgupta, Dean, Television, SRFTI, Kolkata conducted a workshop on 'Production Management' on 19th January, 2018.

12. Prasanta Pal, Associate Editor, The Parliamentarian, New Delhi and Amal Sarkar, News Bureau Chief & Assistant Editor, Eisamay, Kolkata conducted a joint Journalism workshop on 10th and 11th February, 2018.

Tapabrata Ghoshal, Media Marketing Expert conducted workshop on Advertising Strategy on 25 November 2017, and on Media Marketing on 2 February and 27 February, 2018

Only National & International standard Conference/Seminar/Workshop/Exhibition

Biplab Loho Chowdhury

28 May 2017: National Symposium on Human Resource Excellence for Eradicating Social Ills, by Dhriti Sancharana at North Bengal University.

27 October 2017: Invited speech on 'Development of Journalism & Media Education in India', in national seminar on '200 years of Indian vernacular Journalism' by Maulana Abul Kalam Azad Institute of Asian Studies & KSAS, Kolkata.

4- 5 October 2017: Invited resource person's speech on 'Education Policy: Bridging Disconnect Between Community & Country" in the National Discussion Meet on 'Gandhian Educational Ideas in Policy Perspective: Relevance, Challenges and Prospects' by Dept. of Educational Policy, National University of Educational Planning and Administration, New Delhi. Also chaired a session.

Sanhita Chatterjee

10 November 2017: Presented a paper entitled "A study on the effect of Surrogate advertising on the Indian youth:With Special Reference to Alcohol" at the UGC Sponsored One Day Seminar organized by Department of Journalism and Mass Communication, University of Burdwan.

Publication within the year April 2017- March 2018

Biplab Loho Chowdhury

ACMC(India chapter) Report 'Responding to transforming Communication Scenario:developing Curricula for Communication studies in Indian Universities and other institutes', 2017.

How Swami Vivekananda Be Read in Yogakshem, January 2018 issue, Kolkata,P.11-13

Whether Media Made India Vote The Way It Did, in Rajesh Das et.al edited Media Governance and Cultural Issues, The University of Burdwan, March 2018, Pages.15-26

Sanhita Chatterjee

May 14 2017. "Storm in a haircut". The Hindu . Retrieved from <http://www.thehindu.com/opinion/open-page/storm-in-a-haircut/article18447093.ece>

Others

Biplab Loha Choudhury delivered lecture on Research Methodology in Social Sciences Course for Assistant Professors by A.K. Dasgupta Center for Planning & Development (Sponsored by NITIAYog,GOI), Visva-Bharati . He has been re-appointed Country Director for India (Head of National Executive) by Asian Media &Communication Congress for 2017-2019. He is a Member, Asian Communication &Media Congress,HQ- Manilla,Philippines, Media Information Communication Centre of India, Life Member of Indian Educational Science Association. Chairman, UG board on Journalism & mass Communication, Gour Banga University; Member, Mass Communication, KIIT Deemed University, Bhubaneswar from 2018; Member, Board of PG Studies in Mass Communication, Burdwan University, from 2018; Member, Board of Studies in Mass Communication, Sikkim Central University, Gangtok(from 2016); Member, National Monitoring Committee on Media Literacy, Indian Institute of Mass Communication, New Delhi, from 2015; Member, Committee of Research in Journalism &Mass Communication, NSOU Kolkata; Member,

Board of Studies in Journalism, West Bengal State Text Book Board, Kolkata; External member. Board of Research in Mass Communication, Burdwan University, West Bengal till 2017; Trustee board & governing Board member, GRTF, New Delhi; Governing Body member, Arkadyuti College of Education, Siuri, W.B.

Sanhita Chatterjee participated in a University Grants Commission sponsored Refresher Course on "Social Sciences, Social Inequalities and Public Policy: Reflections on Contemporary India" at the Department of Sociology, Jadavpur University from 3-25 January 2018. She is Member, British Association of Film, Television and Screen Studies.

Ongoing Research Projects in the Department:

2017-2018: 'Developing Community From Within' with Gurudev Rabindranath Thakur Foundation, New Delhi, undertaken by Doctoral scholar Kapil Kumar Bhattacharyya. Project Head: Prof. Biplab Loho Choudhury.

Extension activities/NSS/Cultural & other activities organized by the Department and participated by the Teachers and Students of the Department:

- i) CJMC conducted its maiden Summer Internship programme of one and half month (20th may to 5th July, 2017) with Perspective building exercise of 60 hours, Field work at Namokanda village for 60 hours, Media production work of 40 hours and Project management work of 20 hours. In this joint internship with Gurudev Rabindranath Tagore Foundation, New Delhi, four candidates were trained.
- ii) For the first time for CJMC, Student Internship Programme during Puja and Summer Vacation, 2017-2018 students got trained in Coal India, Ogilvy & Mather, Dollar Industries, RUDRA etc. Except five students, all third semester students completed the programme.
- iii) Visva-Bharati Chronicle, the practical tabloid was published four times during 2017-2018. Students, made print ready soft copy of the tabloid using newly acquired Indesign software in CJMC itself under guidance of faculty and Field Officer.
- iv) CJMC exhibited seven weekly student newspapers during January to March, 2018 by groups of 2nd semester MA students.
- v) CJMC put an exhibition and video presentation stall during Poushmela from 23rd to 26th December, 2017.
- vi) CJMC in collaboration with INTACH, Santiniketan conducted a video survey from origin of Kopai river to its end during 24-31 December, 2017. A video documentary is in making now.
- vii) Fourteen fourth semester students, Aritri Chatterjee, Arunima Dey, Sanchari Banerjee, Mainak Saha, Moumita Nath, Pritish Sarkar, Sumanta Saha, Saran Sundar, Prasanti Banerjee, Vinit Dey, Anirban Dutta, Rajdeep Roy, Rakesh Sharma and Santanu Ghosh worked as Interns in Films Division of India Mumbai International Film Festival 2018 during January-February 2018.
- viii) CJMC presented a cultural programme "Rituranga" during Mumbai International Film Festival 2018 on 29 January, 2018.
- ix) An internship placement interview for fourth semester MA in Journalism & Mass Communication students on 27 February, 2018 by Jayeeta Choudhury, HR Auditor, Confederation of Indian Industries. Three students - Bakul Chandra Das, Sankalita Dey and Maitrai Ray got paid internship from the interview.

- x) Under Developing Community from Within project, a Sishu Panchayat was formed in Namokanda Village of Birbhum district for promoting active citizenship in children.

Designing new Course/Curriculum or any other teaching innovations introduced by the Department:

1. Weekly newspaper project introduced.
2. Event management skill is taught through organising various events like conferences, seminars, workshops, film screenings, special lectures etc.
3. New syllabus is being formed and under review, likely to be introduced from the academic session 2018

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development:

Gurudev Rabindranath Tagore's interest in media is well known. His contribution to different literary journals and his naming Indian Broadcasting Service as "Akashvani" are also very well known. When Visva-Bharati began its Centre for Journalism & Mass Communication(CJMC) in 2000 with PG Diploma Course in Journalism & Mass Communication, it was the founder's goal, which started preparing future communicators fine-tuned for connecting people across the world.

In 2000-2001, its 14 months Diploma Programme had 23 students. A specially designed Bridge Course leading to MA for students of PG Diploma Course was started in 2002-2003. From 2003-2004, a full-fledged 2-year MA Degree course was started with 25 students. In 2004-2005, more students took admission. At present foreign students are also studying at CJMC.

From 2009-10 session, semester system has been introduced. The PG Degree curriculum is now divided in Four Semesters (Six months duration each). In this year, every student completes a dissertation. Film Studies and Web Journalism students prepare short film and web projects. In 2015-2016 session, they have made three short films.

CJMC presently has one Professor, one Associate Professor (on leave) and one Assistant Professor supported by a pool of Guest Lecturers (Internal). CJMC also has one Field Officer who organizes regular field activities of the students and coordinates the news items published in the departmental publication 'VisvaBharati Chronicle'.

Many of the students were absorbed in Times of India, The Telegraph, AnandabazarPatrika, The Statesman, Hindustan Times, Probhat Khabor, ABP Ananda, E-TV Bangla, E-TV Rajasthan, Indian Express, TIS, Axis Bank, Siliguri College, Siliguri, Yuva Parivartan (New Delhi), Rani Birla College, Kolkata, Indian Information Service, Information and Cultural Service (West Bengal), Kaivalya Foundation, New Delhi etc.

CJMC aims to update the present course curriculum with a special emphasis on Rural Communication and New Media. Also will explore the probability of introducing short-term courses on Advertising, Public Relations, Science Communication etc.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included :

Industry - Academia Interface Series in which experts from Industry interacted with students at CJMC. The interaction under the series are as follows :

Tarun Goswami, Resident Editor, Kolkata, The Millennium Post on " Preparation for Entry into Print Journalism as Profession" on 25th November, 2017.

Wing Commander T K Sarkar, Ex- CPRO, Ministry of Defence, Government of India on "Defence public relations in India" on 24th February, 2018

Jayeeta Choudhury, HR Auditor, Confederation of Industries in India interacted on corporate interview techniques on 28th February, 2018

CJMC was a collaborator in two international conferences with Asian Congress for Media & Communication during October, 2016-one in Greater Noida, India and another in Yogyakarta, Indonesia.

Students were imparted radio training extensively for two months January and February, 2017.

Introduced an extension lecture series for students during 2016. Kunal Agarwal (IPS, SP, Bardhaman), Prof. Dilip Mitra (Principal, Kala Bhavana) and Venugopal Rajesh (Sangit Bahvana) delivered address under this series.

DEPARTMENT OF ANCIENT INDIAN HISTORY CULTURE AND ARCHAEOLOGY

The Department of Ancient Indian History culture and Archaeology is a direct descendent of Indological studies that were initiated at Santiniketan, with the blessing of Rabindranath, and undertaken by pundits Kshitimohan Sen and Vidhusekhara Sastri in the early 1900s, to be precise 1907 onwards, even when the idea of Visva-Bharati have not had its germination in the mind of the Poet. The Visva-Bharati of Rabindranath was confined in as a central university in 1951. As many of the dreams of the Poet were lost in the quagmire of central university, the school of Ideology was also lost, leaving its fragments as Departments of Ancient Indian History and Culture, Modern Indian History, Arabic, Persian, Urdu and Islamic Studies, Sanskrit, Pali and Prakit, Chinese Language and Culture and Indo-Tibetan Studies.

The Department of Ancient Indian History and Culture, which was thus named in 1951, has been re-christened in 1977, with the introduction of Archaeology as a component of course structure, as the nomenclature now stands. The Department offers graduate courses in Annual system in the three-years Honours Level at B.A. and the two years Four Semester Course in M.A. in Ancient Indian History Culture and Archaeology. It also offers a one year Causal Course in Ancient Indian History Culture and Archaeology to the foreign students desirous of knowing basics of Indian civilisational ethos. In addition to the said course, the Department undertakes M.Phil course and Applied and Field research oriented Ph.D Level programmers in Ancient Indian History Culture and Archaeology.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE examinations
Manab Bhattacharya (NET), Kali Prasanna Nai (NET), Supriti Mondal (NET JRF).

Ongoing Research project in the department

- i) Dr. Anil Kumar "Conducting Excavation at Lalpahari, Lakhisarai", In collaboration with Bihar Heritage Development Society, Govt. of Bihar since 25th of November 2017.
- ii) Department of AIHC&A has signed MOU with Bihar Heritage Development Society for Archaeological Works at Lakhisarai for five years. All the expenses for the work will be borne by the Government of Bihar except the travel expenses of Faculty and Research Students of dept. of AIHC&A, V.B. Department has nominated Dr. Anil Kumar as Convener of the Project.
- iii) Dr. Bina Gandhi Deori awarded Major Research Project on 'Intangible Cultural Heritage of the Galo Tribe of Arunachal Pradesh' funded by University Grants Commission.
- iv) Dr. Bina Gandhi Deori awarded Research Project Grant 'History from Things: Study of the Material Culture of the Galo Tribe of Arunachal Pradesh with special reference to the Brass metal objects' sponsored by Indian Council for Historical Research (ICHR).
- v) Bina Gandhi Deori awarded research project from Sangeet Natak Academy on "Safeguarding songs of the Shaman: A Tradition of Arunachal Pradesh" since 2015.

Seminars/Workshops/Conferences attended by teachers during the year:

Anil Kumar

14-15 December 2017. Trade Centers of Early Medieval Eastern India and Their Connectivity" "International Conference of Land Transportation, Locomotive Heritage and Road Culture" , Center for Heritage Studies, University of Kelaniya, Sri Lanka . Also chaired a session.

7-10 September 2017. "Forgotton Buddhist Monuments of Early Magadh: Their Implications" , International Conference on Buddhism, Traditions, Ideologies and Dissent, Buddhist Archeological Landscapes, Gautam Buddha University, Greater Noida. Also chaired a session.

Gautam Sengupta

2 August 2017. Delivered a lecture on 'History around Us' as a plenary speaker at the Diamond Jubilee Celebration of T.D.B. College, Raniganj, District West Burdwan, West Bengal.

10 January 2018. Delivered the Valedictory address at the centenary Workshop on 'Art and Religion' organized by the department of Ancient India History & Culture, University of Calcutta .

5 March 2018. Delivered two lectures on a) Historical Geography: Defining the Discipline and b) From Narrative to Happening, in the ICSSR sponsored Research Methodology Course for M.Phil/ Ph.D scholars organized by the Department of Geography, The University of Burdwan.

23-25 March 2018. Chaired a technical Session on Infrastructural development as part of the International Interdisciplinary Conference on "Road map for the development of Eco- tourism in and around Santiniketan & Birbhum", organized by Visva-Bharati, Publication office in collaboration with Ministry of Tourism, Govt. of India.

25 March 2018. Panel speaker at the Valedictory session of the 6th International Congress of the society of South Asian Archaeology at the Indian Museum, Kolkata on 25th March 2018.

Remya VP

9-11 November 2017. Chaired a session and presented a research paper in the 5th International Kerala History Conference at M.S.M. College, Kayamkulam.

16-18 March 2018. Presented a paper in the 6th International Conference of SOSAA, at Indian Museum, Kolkata.

29 October 2017. Delivered invited Lecture on Ayyankali and early Social Reform in Kerala at Ambedkar Research Center, University of Mysore.

Sarita Khetry

28-30 December, 2017. Participated and presented a paper in the three day National Seminar of 78th Session of Indian History Congress organized by Jadavpur University, Kolkata entitled 'Cult of the Book in Buddhism- A study based on Archaeological Materials'.

3 January 2018. Delivered a lecture in the Centenary Workshop, organized by the Department of Ancient Indian History and Culture, University of Calcutta, in collaboration with the Asiatic Society, Kolkata at Alipore Campus, Calcutta University on 'Mahayana Iconography in Gandhara: Some Evidences on its Inception'

8 March 2018. Chaired the Second Academic Session in the Centenary seminar organized by the Department of Ancient Indian History and Culture, University of Calcutta on 'Writing Social and Economic History: Issues and Perspectives'.

Publications during the year:

Anil Kumar

"Latest Archaeological Finds at Lakhisarai: Fresh Light on the Reconstruction of Early Medieval Indian History": Prajna Bharati, K.P. Jaiswal Research Institute, Patna, pp 196-208.

"Recent Archaeological Finds at Krimila: Their Implications on the Historiography of Early Medieval History", Journal of Indian Research, Mewar University, Rajasthan, Vol. IV No. 1-4, pp 18-30, Published from New Delhi, 2017.

Bina Gandhi Deori

"An Approach to understand the significance of the Cultural landscape of the tribes of Arunachal Pradesh, Northeast India" in, Edited volume People in the Mountains: Current Approaches to the Archaeology of Mountainous Landscapes published by Archaeopress Archaeology, 2018.197-205.

Gautam Sengupta

"Bharatiya Silper Vahumatrik Rupa (Multi-dimensional form of Indian sculpture)", Ananda Bazar Patrika, 7th January, 2018.

Article published in the Bulletin of the Deccan College Research Institution, Deccan College, Pune.

K.Mavali Rajan

Book

Facets of Temple Culture: Perspectives on Religious and Social Traditions in Early Medieval India, (Edited Book), Kaveri Books, New Delhi, 2018 (ISBN No. 978-93-86463-06-7).

Articles:

"Religion and Modernity: A Study of Dr.Ambedkar's Neo Buddhism", in Binay Barman (ed.), Ambedkar's Thoughts on Dalits, Politics and Women Empowerment, Kaveri Books, New Delhi, 2017, pp. 54-76. Also wrote the Introduction pp.13-17.

"Role of Castes and Communities in Temple Affairs during the Pandyas", in A.Mahalingam (ed.), Land, Society and Art in Tamil Nadu: with Special Reference to Vaigai and Tamiraparani Basins, Sharada Publishing House, Delhi, 2017, pp.81-103.

"Religious Patronage: the Temple and Merchant Community in Medieval South India", in K.Mavali Rajan, Remya V.P., Sarita Khettry (eds.), Facets of Temple Culture: Perspectives on Religious and Social Traditions in Early Medieval India, Kaveri Books, New Delhi, 2018, pp. 49-71. Also wrote the Introduction pp.xii-xix.

"Socio-Economic Life of Tribal Women in Pachaimalai Hill", Historical Research Letter, Vol.39, 2017, pp.64-71.

Remya V.P.

Co-editor of the Book entitled 'Facets of Temple Culture: Perspectives on Religious and Social traditions in Early Medieval India' published by Kaveri Books, New Delhi, 2018. Also contributed an article in the same book "Early Temple Institution and Augmentation of Social Hierarchy in Kerala." pp. 113-124

Sarita Khettri

'Dana-Deya Dharma: Donation in the Buddhist Records of the North-West (c.Second Century BCE-Third Century CE)', Dana Reciprocity and Patronage in Buddhism, Edited by Ananda Singh, New Delhi, 2017. pp.-170-180.

'Buddhism and Contemporary Religions of the North-West: Syncretism, Conversion and Conflict(c.1st century BCE-5th century CE), Facets of Temple Culture, Edited by K.M.Rajan, Remya V.P. and Sarita Khettry, New-Delhi, 2018.pp.283-297.

'Buddhism in Early Pundravardhana' Journal Of Bengal Art, Vol.23, Bangladesh, 2018 pp.9-19.

Co-editor of the Book entitled 'Facets of Temple Culture: Perspectives on Religious and Social traditions in Early Medieval India' published by Kaveri Books, New Delhi, 2018.

Others

Goutam Sengupta was nominated member of the Board of Studies for Post graduate Course by the authorities of The Sanskrit College and University. He was also appointed member of the Expert committee by the Govt. of Telangana in respect of conservation of 'Qutub Shahi' Monuments at Hyderabad undertaken by Cultural Trust of Telangana.

K.Mavali Rajan as a Content Writer contributed e-content and delivered Multimedia Lectures for 12 Modules for the subject Indian Culture, e-Pg-Pathshala, an UGC/MHRD project under National Mission on Education through Information and communication Technology (NME-ICT) in 2017.

Sarita Khettri was nominated member of the Visva-Bharati Internal Complaint Committee for Prevention of Sexual Harassment against Women at Work place. She was nominated member of the Board of Studies for Post graduate Course by the authorities of The Sanskrit College and University.

Future Plan

The Department proposes to establish a database to textual and visual pattern of archaeological sites in Eastern India. We would also like to develop an Archaeological Information System (AIS) at Visva-Bharati.

DEPARTMENT OF PHILOSOPHY & COMPARATIVE RELIGION

Departmental Seminars

18 November 2017. Dr. Glen T. Martin, President, World Constitution and Parliament Association (WCPA), delivered talk on "One God, One World Beyond Domination"

6 January 2018. Professor Purushottama Billimoria, Centre for Dharma Studies, GTU, Berkeley, California, USA & Professor Anand Vaidya, Centre for Comparative Philosophy, San Jose State University, CA, USA delivered lecture on "Comparative Philosophy and Experimental Philosophy: A Critical Examination."

30 January 2018. Prof. Dr. Marcus Bussey, School of Social Science, University of the Sunshine Coast, Australia, delivered lecture on "Reclaiming our Cultural Citizenship: Reflections on creative traditionalism, change and the future"

Prof. Jay Drydyk, Carlton University, Canada, delivered three lectures Development Ethics: Past, Present and Future on, 23.2.2018; Development and Capability Approach on 25.2.2018 and Displacement by Development: Ethics, Religion and Responsibility on 26.2.2018.

27 February 2018. Prof. Ruchira Gupta, School of Global Affairs, New York University delivered a lecture on Child Labour, Sex-Trafficking and the Last Girl.

23-24 March, 2018. Prof. Sitansu Sekhar Chakravarti, Affiliated Scholar, New College, University of Toronto, Canada, delivered lecture on Tagore - Wittgenstein Interface: The Poet's Activism and Virtue Ethics.

Only National and International Standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

Asha Mukherjee

24-25 April 2017. Delivered lecture on "Moral Responsibility: Agency and Dynamics" in the Seminar on "Agency and Values: Ethical Challenges in the 21st Century" at the Department of Philosophy, Presidency University, Kolkata.

16-18 May 2017. Delivered lecture on "Peace and Conflict Transformation: A new Purushartha? (With special reference to North-east India)" in the National Seminar on 'Conflict Transformation and Dharma peace Building: Contemporary Relevance in North East India' organized by Department of Philosophy, Lady Keane College, Shillong.

21-22 September 2017. Delivered lecture "Are Women Person? A Moral Concern (Indian Context)," in the International seminar "Re-Learning to be Human for Global Times: Understanding the Meaning of Being Human Across Cultures and Civilizations" organized by the Council for Research in Values and Philosophy (RVP) and The CUA Center for the Study of Culture held in Washington, D.C., USA.

29 September - 1 October 2017. Participated in "Women's Living Hinduism and Islam Project (WLHIP)" Workshop, sponsored by the International Collaborative Grant received from the Global

Religion Research Initiative (GRRI), University of Notre Dame, USA, held at California State Polytechnic University, Pomona.

18-22 December 2017. Invited and delivered Chairperson's address (Philosophy Research Committee) on "Education for profit vs. education for freedom: Tagore & Dewey (Draft)", for XLI Indian Social Science Congress held at Periyar University, Salem.

27-28 February 2018. Delivered lecture "Suffering, Death and Transcendence," in the International Seminar on "Suffering in the 21st Century: Debates in Indian Philosophy", organized as Secretary, Daya Krishna Academic Foundation in association with Department of Philosophy, University of Mumbai.

Md. Sirajul Islam

29-30 June 2017. Delivered the Keynote Address in the Inaugural session of the UGC sponsored Two day National Seminar, held at the Dept. of Philosophy, B.H. College, Howly, Barpeta, Assam.

3-4 January 2018. Presented a paper in the International Asian Philosophy Conference, organized by Holistic Science and Research Centre, Surat and ICPR, New Delhi.

5-7 January 2018. Presented a paper in the Indian Philosophical Congress, organized by ICPR at Holistic Science and Research Centre, Surat.

6 March 2018. Presented a paper in the International Seminar on Inter-Religious harmony and Banglar Rumi Syed Ahmadul Haque, organized by Asiatic Society, Kolkata and Allama Rumi Society, Bangladesh.

Ranjan Mukhopadhyay

8-9 March 2018. Delivered lecture on "Alethic Modality - Its Logic and Language," in the National Seminar on "Role of Language in Logic, at North Bengal University.

Manjari Chakrabarty

14-17 June 2017. Delivered lecture on "The Critical Function of Science in the Origins of the Steam Engine," in SPT 2017: The Grammar of Things (International Conference of the Society for Philosophy and Technology), held at Technical University (TU), Darmstadt, Germany, organized by the Society for Philosophy and Technology and The Institute for Philosophy, TU, Darmstadt Germany.

M.P. Terence Samuel

8-9 November 2017. Delivered lecture on "Ecological Reading of Marx" in the National Seminar on 'Reading Capital in the 21st Century', organized by EMS Chair for Marxian Studies and Research, University of Calicut, Calicut.

24-28 November 2017. Delivered lecture on "Culture and Imperialism" in the Sixth Arvind Memorial International Seminar on "Imperialism Today: Understanding Origins, Dynamics and Mechanisms", organized by Arvind Memorial Trust, Lucknow.

18-22 December 2017. Delivered lecture on "Idea and Accountability of University - An Anti-Critique" at XLI Indian Social Science Congress, organized by Indian Academy of Social Sciences, Allahabad, at Periyar University, Salem.

Rekha Ojha

13-14 April 2017. Presented a paper in the National Seminar on Human Rights and Social Justice, SC,ST,OBC Employees Welfare Association of Visva Bharati.

18-19 August 2017. Presented a paper in the International Seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Development, Visva Bharati Co-Operative Society and Department of Life Learning and Extension(REC) Visva Bharati.

9-11 November 2017. Presented a paper in the National Seminar on Politics of Difference and (Re) Locating Marginality: Reflection in Indian Literature, Bhasha-Bhavana, Visva Bharati.

18-19 February, 2018. Presented a paper in the International Seminar on Buddhist Influence on Sanskrit, organized by the Dept. of Sanskrit , Pali & Prakrit, Visva Bharati.

27-28 March 2018. Presented a paper in the International Seminar on Global Peace and Sustainable Development Through Language and Literature: Dreams and Designs, Dept. of Arabic, Persian Urdu and Islamic Studies, Bhasha-Bhavana, Visva Bharati.

Shubhra Jyoti Das

9-10 February 2018. Presented paper in the Seminar on "Srimanta Sankardeva and His Times", organized by Assamese Language Unit, Bhasa Bhavana, Visva Bharati.

27-28 March 2018. Presented paper in the seminar on "Global Peace and Sustainable Development through Language and Literature: Dreams and Designs", organized by Assamese Language Unit, Bhasha Bhavana, Visva Bharati.

Ongoing Research Project in the Department

Manjari Chakrabarty

The Epistemic Character of Material Culture, sponsored by ICPR, New Delhi, for 4 Lakhs.

Rekha Ojha

Alternative to Imprisonment in India: A Feminist Perspective, Sponsored by ICPR, New Delhi, for 10 Lakhs.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Asha Mukherjee

Member on the Board of Advisors to the Center for the Study of Women Philosophers and Scientists at Paderborn University in Germany headed by Dr. Ruth Hagenruber Book Project contract with European publisher Springer, 2018.

Member of Doctorate Committee for Faculty of Humanities and Social Sciences, Presidency University, Kolkata for four years from March, 2018.

Worked as Nodal Person for the Application for Institute for Eminence, Visva-Bharati and prepared application, Dec. 2017

Executive Council Member, Indian Academy of Social Sciences, 2017-18.

Executive Council Member, Visva-Bharati, Sept. 2017 to 18 March, 2018.

Principal, Vidya-Bhavana, Visva-Bharati, (Dean, Institute of Humanities and Social Sciences) for two years from 9 July 2017--8 July, 2019.

21 January 2018. Organized 7thDaya Krishna Memorial lecture by Professor Jay L. Garfield at Department of Philosophy, Rajasthan University, Jaipur.

Md. Sirajul Islam

21 April 2017. Delivered UNESCO Annual Lecture on Sufism and Vedanta and the Modern World Challenges at the Ramakrishna Mission Institute of Culture, Golpark, Kolkata.

6 January 2018. Chaired in the History of Philosophy Session-III of Indian Philosophical Congress 92 sessions held at Holistic Science Research Center, Surat.

Ranjan Mukhopadhyay

Delivered Krishna Chandra Bhattacharya Memorial Endowment Lecture - 2017 on the topic Logic and Variety of Anti-Realism, University of Calcutta, November, 1, 2017.

Publication within the year April 2017 - March 2018

Asha Mukherjee

"Interfaces of Philosophy and Public Policy in India" in Emerging Interfaces of Social Science and Public Policy in India. Ed. Kalyan Kumar Chakravarty, Saumen, Chattopadhyay and N.P. Chaubey, Indian Academy of Social Sciences, Allahabad, 2017, pp. 419-429.

Md. Sirajul Islam

"Islam and Environmental Preservation: An Analysis", Journal, Vol-10, 2017, pp. 54-64

Mousumi Roy

"Mystical Practices in Religious Traditions and Ecstatic Madness in Gaudiya Vaishnavism" in International Journal of Innovative Research and Advanced Studies (IJIRAS), Volume 4 Issue 6, June 2017.

"Reflections on The Study of Mysticism as A Category" in Scholarly Research Journal for Interdisciplinary Studies, Volume 7, Mar, 2018 Issue 34, Pp:287-292.

M.P. Terence Samuel

"Orientalism and Knowledge Production - Decolonization as Unlearning the Inherent Mode of Representation" in the book Emerging Interfaces of Social Science and Public Policy in India, published by Indian Academy of Social Sciences, Allahabad (ISBN: 978-81-7097-318-8), November, 2017, pp. 446-452.

"Tamizh Ilakkiyankalil Aram Athikaaramaakum Arasiyal (Politics of Morality in Tamil Literatures)", in the book Raj Gowthaman: Naveena Manam Konda Thamizharinjan (Raj Gowthaman: A Tamil Scholar with Modern Outlook), published by Dalit Intellectual Circle for Action, Tamil Nadu - Puducherry, March, 2018, pp. 57-69.

"Maarxsiya Eduththuraippiyal Nokkil Thozhilmaya Kalaachaara Urpaththi (Culture Industry in Marxist Perspective)", Thina, Issue - 17, September - November, 2017, pp. 40 - 43. (ISSN 2437-3533).

"Pinkaalaniam - Oor Arimuga Vilakkam (Postcolonialism - An Introductory Explication)", Pirazh, Issue - 1, January, 2018, pp. 8 - 16.

Designing New Course/Curriculum or any other teaching innovation introduced by the Department Undergraduate CBCS syllabuses has been framed and introduced. New revised syllabuses for postgraduate courses has been introduced.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The conceptual foundation of the present-day Department of Philosophy and Religion was laid as early as in July 1919 when Visva-Bharati was inaugurated as the unique home for all cultures. With Visva-Bharati becoming a registered public body and adopting a constitution of its own on 23rd December, 1921, the Department of Higher Studies, then renamed Utttar Vibhaga, expanded its academic programme by including Philosophy as an independent area of study besides Logic, Nyaya and Vedanta (Upanisads). The study-cum-research programme in philosophical subjects received a fresh impetus when the academic wing of Visva-Bharati was reconstructed in 1926. The erstwhile study-cum-research centre was then transformed into a full-fledged School of study and Research called Vidya-Bhavana. This institute of higher studies and research soon made available facilities for original research in a number of philosophical areas such as Buddhism, Jainism, Sufism, Hinduism and Indian Mysticism. Yet another change took place in 1951 when Visva-Bharati became a Central University by an Act of Parliament. As the curriculum, teaching and examination-system of the University began to assume the form prevalent in other universities in the country, Vidya-Bhavana, originally a School of Research, had to start Undergraduate and Postgraduate courses in a number of subjects including Philosophy and Comparative Religion. That was how today's Department of Philosophy and Religion came into being.

In April, 1964, the Department was converted into a Centre of Advanced Study in Philosophy. The Centre was designed to promote higher studies and research in metaphysics in collaboration with scholars from other universities in and outside the country. At present the Department offers courses both in Philosophy and Comparative Religion, each covering Under Graduate, Post Graduate and Doctoral Programme.

The Department offers a one-year Foreign Casual Course in Indian Philosophy.

The Department has a well-organized library located in Darshan Sadan itself. Its holdings reach over 13000 volumes, with an additional extensive collection of back-issues of different international Journals. Besides a number of foreign periodicals are received regularly. The collection of books on Religion along with texts written in Sanskrit, Pali, Prakrit, Chinese, Japanese and Tibetan are housed in the Central Library of the University.

Future Plan

- 1.The Department is now preparing itself for running UGC-assistance programme in the form of SAP or CAS.
- 2.Planning for introduction of M.Phil. Course.
- 3.Revival of publication of the bi-annual departmental Journal of its own, called The Visva-Bharati Journal of Philosophy, thirty-five volumes of which have already been published.

SIKSHA-BHAVANA (Institute of Science)

Siksha-Bhavana 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 for other subjects was started in 1968. Finally in 1972, due to reorganization 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 also known as Institute of Science.

Siksha-Bhavana (Institute of Science) now comprises eleven constituents: nine Departments (Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Sciences, Biotechnology and Environmental Studies) and two Centers (Integrated Science Education & Research and Centre for Mathematics Education) where both teaching and research programmes are running leading to award of B.Sc. (Hons.), M.Sc., Integrated M.Sc., and Ph.D. degrees. Over this period of time, this Bhavana has made remarkable strides in both teaching and research, and has generated scientific awareness among the surrounding populace in consonance with the ideas of Gurudev Rabindranath Tagore, through its extension programmes. Interdisciplinary programmes of teaching and research have been developed and the institute has produced excellent graduates who are serving the society through their work in prestigious universities, institutions and organizations in various regions of the country and abroad. All the departments and centers 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 and Botany have already received the recognition from the Department of Science & Technology, Govt. of India in the form of FIST grants. The Departments of Mathematics, Chemistry and Botany have been awarded Special Assistance Programme (DRS) from UGC. The Department of Zoology has been awarded Centre for Advanced Study (CAS) from the UGC. The M.Sc. programme of the Centre for Biotechnology is supported by the Department Biotechnology, Govt. of India and students admitted to this course are those qualified through the All India Entrance Examination conducted by JNU, New Delhi. These students also get a monthly stipend of Rs. 3000/-. The Five Year Integrated M.Sc. Course in Science (Physical Science and Life Science) initiated in the academic session 2009-2010, intended for attracting highly motivated and talented students to research and education in basic sciences, is currently running successfully. The students are admitted in this course through National Entrance Screening Test (NEST) and are awarded scholarship Rs.5,000/- p.m. under the INSPIRE Programme of DST, Govt. of India.

DEPARTMENT OF PHYSICS

Name of the Department and detailed information

The Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. Honours level. Subsequently, the M.Sc. Teaching programme was started in 1968 along with the efforts to develop research facilities in Physics. Initially the Department laid more emphasis on theoretical research due to its constraints. Gradually, with the support from different funding agencies, research works on theoretical as well as experimental physics had been started on a wide range of fields. Presently, in theoretical physics the faculty members are working on particle physics, scattering theory, condensed matter physics and nanomaterials, super symmetric quantum mechanics, quantum optics, lattice dynamics, astrophysics, cosmology, mathematical physics etc. The areas covered by experimental research are microwave electronics, nuclear physics, radiation physics, condensed matter physics using nuclear techniques, nanoscience, molecular magnetism, Raman spectroscopy, particle physics, etc.

Several research projects are being carried out with support from different funding agencies, e.g., *DST, DAE, AERB, UGC, CSIR, UGC-DAE CSR*, Kolkata, *IUAC, New Delhi* etc. In addition, experimental works using the major accelerator facilities at *VECC, NSC, TIFR*, Microton Centre, Mangalore and LHC at CERN are also going on. The Department has recently procured an X-Ray powder Diffractometer–(Rigaku D/Max Ultima IV Automatic high resolution type) under DST-FIST programme. The Department has developed a High End Computing Facility under DST-FIST programme.

The Department is an associate centre of the *Theoretical Physics Seminar Circuit (TPSC)*. Members of the faculty have research collaborations with institutions within India and abroad and eminent scientists from our country and abroad regularly visit this department. The Department has been taking an active role in the curricular development at both the P.G. and U.G. Level. Presently the Department is offering six special papers (*Condensed Matter Physics, Particle Physics, Electronics, Quantum Electronics, Astrophysics & Cosmology and Nuclear Physics*) at the Post-Graduate level. The ‘*Computer Applications*’ courses to the Under-Graduate as well as Post-Graduate students have been in effect since 1987 as knowledge in *Computational Physics* is now-a-days considered an essential ingredient of a Physics Curriculum. Students are trained in such a way that they can cope with their future requirements after passing out of the P.G. Level.

Name of the students qualified in UGC / CSIR / NET / SLET / JEST / GATE Examinations.

CSIR-UGC NET, June, 2017

1. Kornikar Sen (CSIR Rank – 39)
2. Prabhu Mondal (UGC-NET Rank -236)
3. Sagar chowdhury (NET-LS)

CSIR-UGC NET, December, 2017

1. Mousumi Pramanick (CSIR Rank - 229)

2. Jaydeep Kumar Basak (CSIR Rank – 178)
3. Amartya Thakur (CSIR Rank – 105)
4. Suman Rooj (CSIR Rank – 205)
5. Abhijit Nandi (NET-LS)
6. Chiranjib Ghosh (NET-LS)

JEST 2018

1. Sayanta Goswami (Rank – 48)
2. Subham Seth (Rank – 129)
3. Puspendu Roy (Rank – 153)
4. Mir Afrasiar (Rank – 165)
5. Brijmohon Paramanik (Rank-165)
6. Subhadeep Chakraborty (Rank-211)
7. Arghya Banerjee (Rank-336)
8. Dipendu Bhandari (Rank-809)

GATE 2018

1. Suvendu Ghosh
2. Kornikar Sen
3. Shakeel ur Rahman
4. Mir Afrasiar
5. Suman Rooj
6. Bidyut Dey
7. Srikanta Pal

JAM 2018

1. Suvodeep Chakraborty
2. Arghya Banerjee

Students admitted into various research project / PhD Programme at various Institutes / Universities:

Sl. No.	Name of the student	Joining Institute / University
1	Ankur Ghosh	ARIES, Nainital
2	Sahin Sorifi	IIT, Delhi
3	Jayanta Mondal	SNBNCBS, Kolkata
4	Paban Bittar	University of Burdwan
5	Arnab Roy	TIFR, Mumbai
6	Upala Mukhopadhyay	SINP, Kolkata
7	Jaydeep Kumar Basak	IIT, Kanpur
8	Aloke Kumar Das	NISER, Jatni, Odisha
9	Gurupada Ghorai	NISER, Jatni, Odisha
10	Suvendu Ghosh	IIT, Kharagpur
11	Puspendu Roy	Visva-Bharati University, Santiniketan
12	Amartya Thakur	Visva-Bharati University, Santiniketan

- | | | |
|----|---------------------|--|
| 13 | Shanwlee Sow Mondal | PRL, Ahmedabad |
| 14 | Paramesh Chandra | Visva-Bharati University, Santiniketan |
| 15 | Saroj Saha | Visva-Bharati University, Santiniketan |

Departmental Seminar / Symposia.

Department of Physics, Visva-Bharati along with Inter University Accelerator centre (IUAC), New Delhi jointly organized a one day Acquaintance Programme on Accelerator-based Research on 7th April, 2017

Joint Co-ordinators: Dr. Buddhadev Mukherjee and Dr. Aanagha Chakraborty

TPSC Seminar “Nucleo Synthesis: Elements in the Universe” held at the Department of Physics, Visva-Bharati on 8th April, 2017

Speaker: Prof. Gautam Gangopadhyay, Department of Physics, University of Calcutta, Kolkata
TPSC Seminar on “NUCLEAR FISSION STUDIES AT BARC” held at the Department of Physics, Visva-Bharati on 23rd June, 2017

Speaker: Dr. D.C. Biswas, Fission Physics Section, Nuclear Physics Division Bhabha Atomic Research Centre (BARC), Mumbai, India

TPSC Seminar “A simple mechanical model exhibiting spontaneous symmetry breaking” held at the Department of Phtysics, Visva-Bharati on 11th August, 2017

Speaker: Prof. Sudipta Mukherji, Department of Physics, Institute of Physics, Bhubaneswar
TPSC Seminar “Dynamical response of Josephson junctions” held at the Department of Phtysics, Visva-Bharati on 8th September, 2017

Speaker: Dr. Moitri Maiti, Theoretical Physics Bogoliubov Laboratory, Dubna, Russia
TPSC Seminar “Applied string theory: Brownian motion from gravity” held at the Department of Phtysics, Visva-Bharati on 24th February, 2018

Speaker: Dr. Pinaki Banerjee, International Centre for Theoretical Sciences, Bengaluru

TPSC Seminar “Detecting and Mapping the Stochastic Gravitational wave Background” held at the Department of Phtysics, Visva-Bharati on 2nd February, 2018

Speaker: Dr Anirban Das, IUCAA, Pune

TPSC Seminar “Quantum Supermacy: Scrutiny and remedy in realistic conditions” held at the Department of Phtysics, Visva-Bharati on 9th February, 2018

Speaker: Mr. Kishore Thapliyal, Jaypee Institute of Information and Technology

TPSC Seminar “The Standard Model and Beyond” held at the Department of Phtysics, Visva-Bharati on 9th March, 2018

Speaker: Dr. Rusa Mandal, Institute of Mathematical Sciences, Chennai

National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by teachers / Research Scholar in detail.

Faculty Members

Prof. A. Bhattacharjee

Delivered Plenary Talk in the 53rd Japanese Conference on Calorimetry & Thermal Analysis (53rd JCCTA) held at Fukuoka University, Japan during 2nd – 6th November, 2017.

Delivered Invited Talk at the International Conference on Crystal Ball Vision On Science & Engineering For Societal Upliftment organized by Indian JSPS Alumni Association (IJAA) held at NIO, Goa during 7-8th August, 2017.

Prof. M. Maity

Delivered a Talk “A Standard and Model Higgs”, at Tata Institute of Fundamental Research, Mumbai, 4-8 December, 2017, Pre-Conference School, SUSY 2017.

Delivered a Talk “Recent Results from the LHC: Standard Model and Beyond?” at Jadavpur University, 6th March, 2018, Recent Trends in Frontier Research in Physics

Dr B. Mukherjee:

Delivered an invited talk “An Experiment on High Spin States of some Nuclei in A ~ 60 region using INGA -Some Results and Outlook” at IUAC New Delhi, INGA workshop on 14/09/2017.

Dr. S. Roy

Served as a resource person during Feb 14th - 21st, 2018 in the Experimental Refresher Course in Physics (by Science Academies) held at Sidho-Kanho-Birsha University, Purulia.

Dr A. Bandyopadhyay:

Attended “National Conference on Frontier Areas of Research and Applications Using Electron Microscopy” March 16 2018, organised by Siksha-Bhavana and Palli-Siksha Bhavana, Visva-Bharati, Santiniketan.

Dr. B. Pandey:

Delivered a seminar entitled “How much does a galaxy know about its large-scale environment?” in the Theoretical Physics Colloquium at Tata Institute of Fundamental Research on 29th August, 2017

Delivered a seminar entitled “How much does a galaxy know about its large-scale environment?” on 4th October, 2017 at the Centre for Theoretical Studies (CTS), IIT, Kharagpur.

Dr S. Das:

Delivered a talk at the International conference 29th IAGRG meeting held at IIT Guwahati during 18th-20th May, 2017.

Delivered an invited talk at National Level Workshop Entitled "Celebrating the Centenary of Einstein's General Relativity : Hundred Years with 'A' (CCEGR-2017)" held at University of Burdwan on 26th July, 2017.

Delivered an invited talk at Department of Physics, Maulana Azad College, Kolkata on 12th September, 2017.

Dr Anagha Chakraborty:

Delivered an invited talk “High Spin Level Structure of Nuclei around $A \sim 150$ region: Issues of Octupole Oscillations and Deformations” in the Workshop on INGA Experiments held at IUAC, New Delhi during 14/09/2017 – 15/09/2017.

Delivered an oral presentation “Investigation of the level structure of ^{29}Al at high spin” in the FIG2018 Conference held between 12th – 14th March, 2018 at TIFR, Mumbai.

Research Scholars:

Ms. Anubha Dey

Delivered an Oral Presentation in the 25th West Bengal Science & Technology Congress, 2018 held at Kolkata during 4-5th March, 2018 and *received the Outstanding Paper Award*.

Made a poster presentation in the 2nd Regional Science & Technology Congress, 2017 held at Burdwan University during 16-17th Nov, 2017 and *received 1st Prize for Best Poster Presentation*. Participated at the National Conference on “Frontier areas of research and applications using electron microscopy” on March 16, 2018 at Visva-Bharati

Participated at the National Workshop on “Theory and Practice of X-Ray Diffraction Techniques (TPXRDT-2017)” held at AC College of Engineering and Technology, Karaikudi, Tamil Nadu during 25th-27th May 2017.

Mr. Somnath Chowdhury

Participated at the AICTE National Workshop “Aiming for Excellence: Pathways to Institutional Advancement through Research” at Aliah University (Park Circus Campus) 27th February 2018

Participated at the National Lecture Workshop “Recent Trends in Interdisciplinary Sciences” at ISERC, Visva-Bharati 12-14th February

Participated at the Regional Seminar “2nd Regional Science & Technology Congress (Western Region)” at University of Burdwan 16-17th November 2017

Participated at the “International Conference on Condensed Matter Physics” at ISI, Kolkata 14-16th November 2017

Participated at the National Conference: “Condensed Matter Days-2017 (CMDAYS-2017)” at Department of Physics, Tezpur University, 29-31st August 2017

Participated at the “Workshop Reader Centric Mathematical Writing” at Department of Statistics, Visva-Bharati 12th July 2017

Participated at the National Conference: “Acquaintance Programme on Accelerator-based Research” at Department of Physics, Visva-Bharati 7th April 2017

Participated at the National Conference on Recent Advances in Science, Engineering & Management (RASEM-2017)) at BITM, Santiniketan, 11-12th February 2017

Mr. U.S. Ghosh

Made two poster presentation at the DAE Symposium on Nuclear Physics held at Thapar University, Patiala during 20 – 24th December, 2017

Ms Sanchita Das

Participated at Acquaintance Programme on Accelerator based Research- held on 7th April 2017, organised by Department of physics, Visva-Bharati, Santiniketan and IUAC, New Delhi.

Participated at Young Astronomer Meet 2017- held at IUCAA, Pune, India. During September 11 to 15, 2017. Presented a talk entitled “Motion of a Particle of non zero mass in Rindler space”.

Participated at WAA (Workshop on Astronomy and Astrophysics) held on March 09 -10,2018. Organised by Department of Physics and Astronomy NIT, Rourkella

Mr. Abhijit Mondal

Participated at the “Acquaintance Programme on Accelerator based Research”, held at Department of Physics, Visva-Bharati, on 7th April, 2017

Made poster presentation at the “Recent Advances in Material Science and Biophysics (RAMSB)”, held at Mangalore University, Mangalore during January 23-25, 2018

Participated at the “National Conference on Frontier Areas of Research and Applications using Electron Microscopy”, held at Visva-Bharati on March 16, 2018

Mr. A.K. Mandal

Made a poster presentation in the FIG2018 Conference held between 12th – 14th March, 2018 at TIFR, Mumbai.

Delivered an oral presentation at the DAE Symposium on Nuclear Physics held at Thapar University, Patiala during 20 – 24th December, 2017.

Mr. Suman Kumar Kundu

Participated at the ‘Acquaintance Programme on Accelerator based Research’ held at the Department of Physics, Visva-Bharati on 7th April, 2017

Participated at the ‘Frontier areas of research and applications using electron microscopy’ held at Visva -Bharati on 16th March ,2018

Mr. Saroj Saha

Participated at the “Recent Trends in Interdisciplinary Science”, 12-14th February, 2018 at Visva-Bharati (Workshop)

Participated at the seminar “Frontier area of research and applications using electron microscopy” held on March 16, 2018 at Visva-Bharati and presented a Poster.

Mr. Monojit Kora

Participated at the “Acquaintance Programme on Accelerator based Research”, held at Department of Physics, Visva-Bharati on 7th April, 2017

Participated at the “National conference on frontier areas of research and applications using electron microscopy”, held at Visva-Bharati, Santiniketan on 16th March, 2018

Mr. Suman Sarkar

Participated at the “Acquaintance Programme on Accelerator based Research”, held at Department of Physics, Visva-Bharati on 7th April, 2017

Participated at the “School on Epoch of Reionization and 21 cm Cosmology”, held at NCRA, TIFR, Pune during 10th-22th July, 2017

Participated at the “Young Astronomers Meet”, held at IUCAA, Pune during 11th-15th September, 2017

Participated at the “National Conference on Frontier Areas of Research and applications using Electron Microscope”, held at Visva-Bharati, Santiniketan on 16th March 2018

Mr. Biswajit Das

Participated at the “Acquaintance Programme on Accelerator based research”, held at Department of Physics, Visva-Bharati on 7th April, 2017

Participated at the “Frontier Areas of Research and Applications using Electron Microscopy”, held at Visva-Bharati on 16th March, 2018

Ms. Meenakshi Chakraborty

Made an oral presentation at the “International Conference on Recent Trends in Engineering and Sciences (ICRTES 2018)” during 20th and 21st February, 2018

Mr. Tanmay Sarkar

Participated at the QCD@LHC international workshop in Debrecen, Hungary, September 2017 and delivered a talk entitled “**Measurement of event properties with jets in CMS**”.

Participated at the 9th International Workshop on Multiple international workshop on Multiple Parton Interactions at the LHC, Shimla, December 11-15, India and Presented a talk on “**Hadronic event shape variables in pp collisions at $s = 13$ TeV at MPI@LHC 17**”.

Participated at the National Conference on ‘Frontier areas of research and applications using electron microscopy’ on March 16, 2018, at Visva-Bharati, India.

Mr. Paramesh Chandra

Participated at the “Recent Trends in Interdisciplinary Science” held at Visva-Bharati during 12-14th February, 2018

Mr. Debdeep Sinha

Poster displayed in absentia*. Title- “Symmetries, integrability and exact solution of a class of nonlocal nonlinear Schrodinger equation” WE-Heraeus Seminar: 17th International seminar on: Non-Hermitian Hamiltonians in Physics: Theory and experiment. Place: Physikzentrum Bad Honnef, Germany. Date: May 15 - 19, 2017.

(* *The candidate was not able to attend the seminar due to the delay in receiving the travel grant sanction letter from CSIR. However, the poster was accepted and displayed during the seminar*)

Attended “Advanced school on Nonlinear Dynamics”, sponsored by Science and Engineering Research Board (SERB) held at Savitribai Phule Pune University, Department of Mathematics, during Jan 20-29, 2018.

Attended “National Conference on Frontier Areas of Research and Applications Using Electron Microscopy” held at Visva-Bharati, Santiniketan on March-16, 2018.

Ms Bratati Das

Participated at the National Conference on ‘Frontier areas of research and applications using electron microscopy’ on March 16, 2018 at Visva-Bharati.

Participated at the National Workshop on “Theory and Practice of X-Ray Diffraction Techniques (TPXRDT-2017)” held at AC College of Engineering and Technology, Karaikudi, Tamil Nadu during 25th-27th May 2017.

Mr Mohosin Alam

Made a poster presentation at the “National Laser symposium (NLS-26)”, held at BARC, Mumbai in December 2017.

Made a poster presentation in the “International conference on quantum and nonlinear optics” held at University of Malaya, Kuala Lumpur during 2-5 February 2018.

Mr Puspendu Roy

Participated in Short Duration Lecture Workshop on “Recent Trends in Interdisciplinary Science”, organized by Integrated Science Education and Research Centre (ISERC), Visva Bharati during Feb 12 -14, 2018.

Participated in the “National Conference on Frontier Areas of Research and Application using Electron Microscopy” held at Visva-Bharati on 16th March, 2018.

Ms Rini Labar

Participated at the National Conference on ‘Frontier areas of research and applications using electron microscopy’ on March 16, 2018 at Visva-Bharati and presented a poster.

Ongoing Research Projects in the Department

Prof. M. Maity:

Name of the Project: *Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization*

Sponsoring Agency: DST, Government of India

Sanctioned Amount: *Rs. 210 lakhs, August, 2014 – March 2019*

Name of the Project: Updating and operation of Regional WLCG Grid System

Sponsoring Agency: DST, Government of India

Sanctioned Amount: Rs. 26.80 lakhs, September, 2014 – March, 2019

Prof. S. Mandal:

Name of the project: *Dynamics of ion in Paul trap: Effects of micro motion,*

Sponsoring Agency: CSIR, India.

Amount Sanctioned: Rs. 13,42,000 for three years.

Name of the project: *Velocity selective coherent population trapping of multilevel atomic systems.*

Sponsoring Agency: UGC, India.

Amount Sanctioned: Rs. 15,00,000 for three years

Prof. Asmita Sen Gupta:

Name of the Project: “Investigation of Physical aging in High T_g Polymers by the combination of PSPLS & DSC methods”

Funding agency: Science & Engineering Research Board of DST, Government of India Sanction Order No.: SB/S2/CMP-027/2014 for three years

Dr. S.K. Mandal:

Project entitled “Switching of spin-states in spin-crossover molecular thin films”, funded by CSIR, Government of India, New Delhi.

Dr. B. Mukherjee:

Name of the Project: Spectroscopy and Lifetime measurement in nuclei of mass region 70 (PhD beam time project of Arindam Biswas at IUAC)

Sponsoring Agency: IUAC, New Delhi

Date of commencement: 28th February 2015

Name of the Project: Measuring prompt proton decays using Silicon Strip Detectors
Sponsoring Agency: SERB, DST, New Delhi
Date of Commencement: 24/11/2015
Duration: for three years

Amount Sanctioned: 43 lakhs [Proj. Ref. No. EMR/2015/000891
Name of the Project: Isomer studies in transactinidenicli (PhD beam time project of UdaySankarGhosh at IUAC)

Sponsoring Agency: IUAC, New Delhi
Date of commencement: 11th January 2017

Dr. B. Pandey: Project title: Galaxy formation and evolution in the filamentary Cosmic Web : Exploration and Analysis of the Sloan Digital Sky Survey Final Data Release Twelve (SDSS DR12)

Funding Agency: Science and Engineering Research Board (SERB) Project code: EMR/2015/001037
Sanctioned Amount: 25 Lacs
Duration: 3 years

Dr. A. Bandyopadhyay: UGC sponsored major research project: *Effect of coherent radiation fields on the transparency of alkali atomic vapour medium* (F. No. – 43-527/2014(SR), dated 28th September 2015). Project cost – Rs. 14,04,500/-

Dr. S. Das: SERB funded project: ‘Study of scalar perturbations in cosmological models of Dark Energy’ (Sanction No: EMR/2016/007162)
Total sanctioned amount: Rs. 17,54,060/-

Dr. Anagha Chakraborty: Name of the project: “Search for Non-yrast Collective States in ¹⁵⁰Nd”
Sponsoring Agency: UGC-DAE Consortium for Scientific Research, Kolkata Centre (Project No.: UGC-DAE-CSR- KC/CRS/13/NP04/02)
Amount Sanctioned: Fellowship for one Project Fellow plus consolidated INR 45,000/- per year for 3 years.

Name of the project: Spectroscopic Study of Rare Earth Nuclei
Sponsoring Agency: DAE-BRNS (Sanction No.: 37(3)/14/17/2016-BRNS)

Sanctioned Amount: 24,59,200/-
Duration: Three Years

Academic distinctions gained by the Teachers / Scholars or the Department as a whole (Like recognition as a D.S.A or C.A.S. etc.)

Prof. T. Chattopadhyay:

Reviewers of International Journal papers:
Photonics Technology Letters, IEEE(USA)

Elsevier Journals
Electronics Letters,
IET(UK).

Membership:
Senior member of IEEE (USA).

Fellow of IETE (India)

Prof. S. Mandal

International Project funded by Malaysian Government; sanctioned amount RM 65,200 (~ 16,000 USD)

Nominated under the International Exchange Programme with Royal Society of Edinburgh and the Indian National Science Academy in 2013

Nominated under the international exchange programme with German Academy of Sciences (DAAD) and the Indian National Science Academy (INSA) in 2018

Associate member of The World Academy of Sciences (TWAS-UNESCO) during 2012 – 2014 & 2016 – 2018

Reviewer of Journals:

International Journal of theoretical physics,

Modern Physics Letters B

Physics Letters A

NANO Convergence

Prof. A. Bhattacharjee

Editorial Board Member, Current Smart Materials.

Reviewer of Journals:

Current Smart Materials

Journal of Applied Physics

Materials Chemistry & Physics

International Journal of Chemical Kinetics

Dr. B.C. Gupta:

Reviewer of Journals:

Physical Review B

Solid State Physics

Physics Letters A

Physica Status Solidi B

Recognition:

(a) Adjunct Professor, University of Illinois at Chicago, USA

(b) Member of the Governing Body, Akui Kamalabala Womens' College

(the approved nominee of West Bengal State Council of Higher Education)

Dr. S. K. Mandal:

Reviewer to American Chemical Society (ACS) and other International Journals.

Dr. R. K. Singha:

Reviewer of journal: "Journal of Materials Science: Materials in Electronics", Springer.

Dr. S. Das:

Reviewer of journals:

International Journal of Theoretical Physics (IJTP)

New Astronomy (www.elsevier.com/locate/newast)

Pramana Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics (IUCAA) for a period of 3 years from August 1, 2017.

Dr. B. Pandey:

Reviewer:

Monthly Notices of the Royal Astronomical Society, Journal of Astrophysics and Astronomy, Astrophysics & Space Science, Publications of the Astronomical Society of Australia Research Associateship at the Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune.

Dr. B. Mukherjee:

Reviewer:

Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (Springer)

Book Publication within the year April 2017 – March 2018

Prof. Asmita Sen Gupta:

‘DIRECT MEASUREMENT OF FREE VOLUME PROPERTIES IN POLYMERIC MATERIALS’, *Asmita Sen Gupta*, Book Chapter in Advances in Physicochemical Properties of Biopolymers (Part I), Ch. 10, P.no 295, Ed. Martin Masuelli & Denis Renard, Bentham Science Publishers – Sharjah, UAE, 2017, ISBN (e book) 978-1-68108-453-4, ISBN (Print) 978-1-68108-454-1

Publication in refereed journals within the year April 2017 – March 2018.

Prof. T. Chattopadhyay

1. M. Chakraborty and T. Chattopadhyay, “A Novel Scheme for UDWDM-PON Broadband Access Network Using Injection-Locked Phase-to-Intensity Modulation Converter”, Journal of optical communications, DOI: 10.1515/joc-2017-0019, 2017 (in press).
2. M. Chakraborty and T. Chattopadhyay, “A scheme for UDWDM-PON broadband access network using a mode-locked laser diode and optical injection locking”, Journal of Optical Communications, (Germany), 2017, published online, DOI: 10.1515/joc-2017-0019
3. M. Chakraborty and T. Chattopadhyay, “Optical modulation enhancement through CW injection locking of a sinusoidally modulated Fabry-Perot laser diode”, Journal of Optical Communications, (Germany), 2017, published online, DOI: 10.1515/joc-2016-0157.
4. S. K. Dawn and T. Chattopadhyay, “A tracking microwave wideband band reject filter using antiphase locking”, International Journal of Electronics Letters, (UK), vol. 6, issue 2, pp. 146-158, 2018, DOI: 10.1080/2168/724.2017.1329943.

Prof. S. Chakrabarty

“The Thomas – Fermi model for the electron gas in Rindler Space”, S. Das and S. Chakrabarty, Modern Physics Letters A 32 (2017) 1750180

Prof. Asmita Sen Gupta

1. “Drugs at Ultra High Dilution Induce Changes in Enthalpy Associated with the Loss of Water of Crystallization in Lactose”, Atheni Konar, Tandra Sarkar, Nirmal Chandra Sukul, Md. Amir Sohel, Asmita Sen Gupta, Environment and Ecology, Volume-35(1B), pp.554-557, 2017

2. "DSC reveals variation in enthalpy associated with free water molecules in water ethanol solution exposed to x- rays and magnetic field", Tandra Sarkar, Atheni Konar, Nirmal Chandra Sukul, Md. Amir Sohel, Asmita Sen Gupta, Anirban Sukul, *Clinical and Experimental Homeopathy*, 4 (1), 50-78, 2017

Prof. S. Mandal

1."Quantum phase fluctuations of coherent and thermal light coupled to anon- degenerate parametric oscillator beyond rotating wave approximation", Mohosin Alam, Swapan Mandal and Mohamed Ridza Wahiddin, *Optics Communications*, Vol. 398, 1-11 (2017).
2."Squeezing, mixed mode squeezing, amplitude squared squeezing and principal squeezing in a non-degenerate parametric oscillator", Mohosin Alam, Swapan Mandal and Mohamed Ridza Wahiddin, *Optik - International Journal for Light and Electron Optics*, Vol.157, 1035-52 (2018).

Prof. A. Bhattacharjee

1. Das, B., Bhattacharjee, A., "Kinetic Analysis of Non-Isothermal Decomposition of Acetyl Ferrocene". *Int. J. Chem. Kinetics*. DOI: 10.1002/kin.21155.
2. Bhakat, D., Barik, P., Bhattacharjee, A., "Electrical conductivity behavior of some composites of Gum Arabic biopolymer and Fe₃O₄ nanoparticles". *J. Phys. Chem. Solids* 112C (2018) 73-79.
3. Das, B., Kusz, J., Reddy, V.R., Zubko, M., Bhattacharjee, A., "Synthesis and Characterization of Hematite Obtained on Thermal Decomposition of Acetyl Ferrocene and It's Mixtures with Maliec Anhydride" *Solid State Science*, 74 (2017) 62-69.
4. Das, B., Kusz, J., Raghavendra Reddy, V., Zubko, M., Bhattacharjee, A. "Synthesis and Characterization of Hematite Obtained on Thermal Decomposition of Acetyl Ferrocene". *Int. J. Materials, Engineering & Technology* 16 (2017) 41-52.

Prof. M. Maity

Papers published by the CMS collaboration.

Prof. P.K. Ghosh

(1) Pijush K. Ghosh and D. Sinha, Hamiltonian formulation of systems with balanced loss-gain and exactly solvable models, *Annals of Physics* 388 (2018)276-304 [arXiv:1707.01122].
(2) D. Sinha and Pijush K. Ghosh, PT-symmetric rational Calogero model with balanced loss and gain, *Eur. Phys. J. Plus* (2017) 132: 460(9pp) [arXiv:1705.03426].

Prof. T.K. Kundu

"Barrier Inhomogeneities in n-ZnO/p-Si Heterojunctions Fabricated with ZnO Nanorods", RINI LABAR and TAPAS KUMAR KUNDU, *Journal of ELECTRONIC MATERIALS* (published online 13 March, 2018, <https://doi.org/10.1007/s11664-018-6209-6>)

Dr B.C. Gupta

1. "Tuneable Structural and electrical properties of zigzag CdS nanotube: A density functional study" by M. Das, P. Mukherjee, S. Chowdhury and Bikash C. Gupta, *Phys. Status Solidi B*, 1700038 (2017) / DOI 10.1002/pssb.201700038.
2. "Ground state charge transfer complex formation of some metalloporphyrins with aromatic solvents: Further theoretical and experimental investigation" by B. Roy, M. Ghosh, P. Mukherjee,

S. Chowdhury, **B. C. Gupta**, K. Majhi and S. Sinha, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 188, 311, (2017).

Dr B. Raychaudhuri

“NuSTAR view of the Z-type neutron star low-mass X-ray binary Cygnus X-2”

Aditya S. Mondal, G. C. Dewangan, M. Pahari, **B. Raychaudhuri**, *Monthly Notices of Royal Astronomical Society (MNRAS)* DOI: 10.1093/mnras/stx2931

Dr A. Bandyopadhyay:

1. ‘Study on probe field propagation in the presence of control and coupling fields through a four-level N-type atomic system’ Khairul Islam, Dipankar Bhattacharyya, Arindam Ghosh, Debasish Biswas and **Amitava Bandyopadhyay**, *Journal of Physics B: Atomic Molecular & Optical Physics*, **50** (2017) 215401.

2. “Splitting of electromagnetically induced absorption signal in a five-level V-type atomic system” Khairul Islam, **Amitava Bandyopadhyay**, Bankim Chandra Das, Satyajit Saha, Sankar De and Dipankar Bhattacharyya, *Journal of the Optical Society of America B*, **34** (2017) 2550.

Dr. B. Pandey:

1. Does information entropy play a role in the expansion and acceleration of the Universe?

Biswajit Pandey, 2017, *Monthly Notices of the Royal Astronomical Society Letters*, 471, L77

2. Can anisotropy in the galaxy distribution tell the bias?,

Biswajit Pandey, 2017, *Monthly Notices of the Royal Astronomical Society* , 469, 1861

3. Testing isotropy in the Two Micron All-Sky redshift survey with information entropy,

Biswajit Pandey, 2017, *Monthly Notices of the Royal Astronomical Society*, 468, 1953

Dr S. Das:

A parametric reconstruction of the deceleration parameter, Abdulla Al Mamon, Sudipta Das, *Eur.Phys.J. C77 (2017) no.7, 495*

Dr A.S. Mondal

“NuSTAR view of the Z-type neutron star low-mass X-ray binary Cygnus X-2”, **Aditya S. Mondal**, G. C. Dewangan, M. Pahari, B. Raychaudhuri, *Monthly Notices of Royal Astronomical Society (MNRAS)* DOI: 10.1093/mnras/stx2931

Dr Anagha Chakraborty

“Nuclear Data Sheets for A=217”, F.G. Kondev, E.A. McCutchan, B. Singh, K. Banerjee, S. Bhattacharya, A. Chakraborty, S. Garg, N. Jovancevic, S. Kumar, S.K. Rathi, T. Roy, J. Lee, R. Shearman, *Nuclear Data Sheets* 147 (2018) 382–458 “Excited negative parity bands in ¹⁶⁰Yb”, A.Saha, T.Bhattacharjee, D.Curien, I.Dedes, K.Mazurek, S.R.Banerjee, S.Rajbanshi, A.Bisoi, G.de Angelis, S.Bhattacharya, S.Bhattacharyya, S.Biswas, A.Chakraborty, S.Das Gupta, B.Dey, A.Goswami, D.Mondal, D.Pandit, R.Palit, T.Roy, R.P.Singh, M.S.Sarkar, S.Saha, J.Sethi, *Phys.Scr.* 93, 034001 (2018)

Conference Proceedings:**Prof. Taraprasad Chattopadhyay**

M. Chakraborty and T. Chattopadhyay, "Total Harmonic Modulation Distortion of an injection-locked Fabry-Perot laser diode directly modulated by a multi-harmonic RF signal", International Conference on Recent Trends in Engineering and Technology, Visakhapatnam, India, Feb 20-21, 2018.

Prof. Asmita Sen Gupta

1. "Effect of physical aging on glass transition and enthalpy relaxation in PLA polymer film", Md. A. Sohel, Abhijit Mondal, Asmita Sen Gupta Conf. Proc. RAMSB-2018, January 2018, Mangalore University, Mangalore.

2. "Calorimetric Studies of Indian Lac structure", Abhijit Mondal, Md. A. Sohel, Asmita Sen Gupta, Conf. Proc. RAMSB-2018, January 2018, Mangalore University, Mangalore.

Prof. A. Bhattacharjee

1. A. Bhattacharjee, Proceedings of 53rd Japanese Conference on Calorimetry & Thermal Analysis (53rd JCCTA) held at Fukuoka University, Japan during 2nd – 6th November, 2017.

2. A. Dey and A. Bhattacharjee, Proceedings of 25th West Bengal Science & Technology Congress, 2018 held at Kolkata during 4th -5th March, 2018.

3. A. Dey and A. Bhattacharjee, Proceedings of 2nd Regional Science & Technology Congress, 2017, held during 10th -11th Nov, 2017 at Burdwan, WB.

Dr B. Mukherjee:

"Potential energy surfaces of even-mass $^{190,200}\text{Po}$ isotopes and shape driving effect of $h/2$ proton", U.S. Ghosh, B. Mukherjee, A. Biswas and S. Rai, Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 290 "Systematic study of potential energy surfaces of odd mass Astatine isotopes", U.S. Ghosh, B. Mukherjee, A. Biswas and S. Rai, Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 192

"An Experiment on High Spin States of some Nuclei in A ~ 60 region using INGA –Some Results and Outlook", B. Mukherjee *et al*, IUAC workshop on INGA experiments: September 2017

Dr A. Bandyopadhyay:

1. "Study on probe absorption in three-level and four-level \hat{I} type system under Doppler free condition" by Kalan Mal, Suman Mondal, Arindam Ghosh, Dipankar Bhattacharyya and Amitava Bandyopadhyay, National Laser Symposium (NLS-26), BARC Mumbai, 20-23 December 2017.

2. "Autler-Town's splitting in a five-level 'V' type system under Doppler broadening" by Suman Mondal, Khairul Islam, Dipankar Bhattacharyya and Amitava Bandyopadhyay, National Laser Symposium (NLS-26), BARC Mumbai, 20-23 December 2017.

3. "A study on electromagnetically induced transparency and velocity selective optically pumped absorption in a six-level inverted-Y type system" by Arindam Ghosh and Amitava Bandyopadhyay, National Laser Symposium (NLS-26), BARC Mumbai, 20-23 December 2017.

Dr R.K. Singha

R.K Singha, “Correlation between Electron microscopy images and Conducting Atomic Force Microscopy Results”, a poster paper presented in “National Conference on Frontier Areas of Research and Applications Using Electron Microscopy” organized by Siksha Bhavana, under the PURSE program sponsored by Department of Science and Technology, Government of India in Lipika Auditorium, Visva-Bharati, Santiniketan on 16 March, 2018.

Prof. M. Maity

1. Low voltage powering of on-detector electronics for HL-LHC experiments upgrades, Vincent Bobillier, Petter Krohg, F. Vasey, Sabyasachi Karmakar, Tapas Kumar Kundu, **Manas Maity**, Subhasish Roy, *Topical Workshop on Electronics for Particle Physics (TWEPP-2017)*, 11 - 14 September 2017, Santa Cruz, California (presented by Vincent Bobillier).

2. “Electronics, trigger and data acquisition systems for the INO ICAL experiment”, S.Achrekar, S.Aniruddhan, N.Ayyagiri, A.Behere, N.Chandrachoodan, V.B.Chandratre, Chitra, D.Das, S.Dasgupta, V.M.Datar, U. Gokhale, A.Jain, S.R.Joshi, S.D.Kalmani, N.Kamble, S.Karmakar, T.Kasbekar, P.Kaur, H.Kolla, N.Krishnapura, P.Kumar, T.K.Kundu, A.Lokapure, **M.Maity**, G.Majumder, A.Manna, S.Mohanan, S.Moitra, N.K.Mondal, P.M.Nair, Abinaya.P, S.Padmini, N.Panyam, Pathaleswar, A.Prabhakar, M.Punna, M.Rahaman, S.M.Raut, K.C.Ravindran, S.Roy, Prafulla.S, M.N.Saraf, B.Satyanarayana, R.R.Shinde, S.Sikder, D.Sil, M.Sukhwani, M.Thomas, S.S.Upadhyaya, P.Verma, E.Yuvaraj

Technology and Instrumentation in Particle Physics (TIPP-2017) conference, Beijing, China, May 22-26 2017 (presented by B. Satyanarayana).

Prof. T.K. Kundu

1. Low voltage powering of on-detector electronics for HL-LHC experiments upgrades, Vincent Bobillier, Petter Krohg, F. Vasey, Sabyasachi Karmakar, Tapas Kumar Kundu, Manas Maity, Subhasish Roy, *Topical Workshop on Electronics for Particle Physics (TWEPP-2017)*, 11 - 14 September 2017, Santa Cruz, California (presented by Vincent Bobillier).

2. Electronics, trigger and data acquisition systems for the INO ICAL experiment S.Achrekar, S.Aniruddhan, N.Ayyagiri, A.Behere, N.Chandrachoodan, V.B.Chandratre, Chitra, D.Das, S.Dasgupta, V.M.Datar, U. Gokhale, A.Jain, S.R.Joshi, S.D.Kalmani, N.Kamble, S.Karmakar, T.Kasbekar, P.Kaur, H.Kolla, N.Krishnapura, P.Kumar, T.K.Kundu, A.Lokapure, M.Maity, G.Majumder, A.Manna, S.Mohanan, S.Moitra, N.K.Mondal, P.M.Nair, Abinaya.P, S.Padmini, N.Panyam, Pathaleswar, A.Prabhakar, M.Punna, M.Rahaman, S.M.Raut, K.C.Ravindran, S.Roy, Prafulla.S, M.N.Saraf, B.Satyanarayana, R.R.Shinde, S.Sikder, D.Sil, M.Sukhwani, M.Thomas, S.S.Upadhyaya, P.Verma, E.Yuvaraj

Technology and Instrumentation in Particle Physics (TIPP-2017) conference, Beijing, China, May 22-26 2017 (presented by B. Satyanarayana).

Dr. S. Roy

1. “Low voltage powering of on-detector electronics for HL-LHC experiments upgrades”, Vincent Bobillier, Petter Krohg, F. Vasey, Sabyasachi Karmakar, Tapas Kumar Kundu, Manas Maity,

Subhasish Roy, *Topical Workshop on Electronics for Particle Physics (TWEPP-2017)*, 11 - 14 September 2017, Santa Cruz, California (presented by Vincent Bobillier).

2. “Electronics, trigger and data acquisition systems for the INO ICAL experiment”,

S.Achrekar, S.Aniruddhan, N.Ayyagiri, A.Behere, N.Chandrachoodan, V.B.Chandratre, Chitra, D.Das, S.Dasgupta, V.M.Datar, U. Gokhale, A.Jain, S.R.Joshi, S.D.Kalmani, N.Kamble, S.Karmakar, T.Kasbekar, P.Kaur, H.Kolla, N.Krishnapura, P.Kumar, T.K.Kundu, A.Lokapure, M.Maity, G.Majumder, A.Manna, S.Mohanan, S.Moitra, N.K.Mondal, P.M.Nair, Abinaya.P, S.Padmini, N.Panyam, Pathaleswar, A.Prabhakar, M.Punna, M.Rahaman, S.M.Raut, K.C.Ravindran, S. Roy, Prafulla.S, M.N.Saraf, B.Satyanarayana, R.R.Shinde, S.Sikder, D.Sil, M.Sukhwani, M.Thomas, S.S.Upadhyaya, P.Verma, E.Yuvaraj

Technology and Instrumentation in Particle Physics (TIPP-2017) conference, Beijing, China, May 22-26 2017 (presented by B. Satyanarayana).

Dr Anagha Chakraborty

“Low- and Medium-Spin Level Structure of neutron rich ^{96}Sr : Competition between Vibrational and Rotational modes of excitations”,

A.K. Mondal, S. Mukhopadhyay, A. Chakraborty, D.C. Biswas, L.S. Danu, A. Blanc, G. de France, M. Jentschel, U.Koster, S. Leoni, P. Mutti, G. Simpson, T. Soldner, C.A. Ur, and W.Urban, Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 98 “Probing the Low-lying Level Structure of ^{94}Zr Using $\hat{\alpha}$ decay”, K. Mandal, H. Sultana, A. Chakraborty, E.E. Peters, B.P. Crider, C. Andreoiu, P.C. Bender, D.S. Cross, G.A. Demand, A.B. Garnsworthy, P.E. Garrett, G. Hackman, B. Hadinia, S. Ketelhut, Ajay Kumar, K.G. Leach, M.T. McEllistrem, J. Pore, F.M. Prados-Estévez, E.T.Rand, B. Singh, E.R. Tardiff, Z.-M. Wang, J.L. Wood, and S.W. Yates, Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 230 “Correlating yrast isomers and shape co-existence in ^{152}Dy ”, D. Pramanik, A. Adhikari, M. Saha Sarkar, S. Sarkar, S. Ray, A. Chakraborty, Krishichayan, R. Kshetri, I. Ray, S. Ganguly, M. K. Pradhan, M. Ray Basu, R. Raut, G. Ganguly, S. S. Ghugre, A. K. Sinha, S. K. Basu, S. Bhattacharya, A. Mukherjee, P. Banerjee, A. Goswami, Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 342

Designing New Courses / Curriculum or any other teaching innovations introduced by the Department.

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

Faculty members have started R&D for distributed DC power supply for particle detectors and frontend electronics for two large experiments – India-base Neutrino Observatory and CMS experiment at CERN. The system will have the following features – high modularity, control and monitoring at individual channel level, graphic user interface with intelligent trouble shooting and warning. Faculty members and research staff visited the INO Centre at TIFR and CERN and a laboratory is being set up.

Particulars in details of the Departmental Library.

- i. Area in (Sq. meter) quoted for the library: 600 sq. ft.
- ii. Is there separate provision for Reading Room: No.
- iii. Total No. of books: 2000 approx
- iv. Total Number of books purchased during the year: 100 approx
- v. Total Number of Periodicals: 10
- vi. Total Number of Periodicals purchased during the year: 10

DEPARTMENT OF CHEMISTRY

The Department of Chemistry has started its undergraduate programme in 1962 and postgraduate programme in 1969. During the course of time the Department has become one of the leading centre for Chemistry teaching and research in our country. The students are performing excellently in national level examinations such as NET, GATE, JAM etc. The Department is actively engaged in research in the fields of Natural Products, Synthetic Organic Chemistry, Green Chemistry, Supramolecular Chemistry, Coordination Chemistry, Solution Chemistry, Biochemical Thermodynamics, Non-conventional energy sources, Analytical Chemistry, Theoretical & Computational Chemistry and Non-equilibrium Statistical mechanics. In this academic session, the Department has published about 150 papers in journals of National and International repute.

Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:

1. Mr. Aritra Rajak (NET CSIR)
2. Mr. Suraj Mondal (NET CSIR)
3. Mr. Dwaipayan Majumder (NET LS)
4. Mr. Santanu Majumder (NET LS)
5. Mr. Akbar Hossain (NET CSIR)
6. Mr. Anshuman Ghosh (NET LS)
7. Mr. Anirban Mukherjee (NET LS)
8. Mr. Bhagiratha Mondal (NET LS)
9. Ms. Supriti Dutta (NET UGC, GATE)
10. Ms. Sucharita Mandal (NET CSIR, GATE)
11. Mr. Abdul Wasim (NET UGC, GATE)
12. Ms. Oishika Jash (NET LS, GATE)
13. Ms. Sudipa Manna (NET LS, GATE)
14. Ms. Sangita Mandal (NET LS, GATE)
15. Mr. Sourav mandal (NET LS)
16. Mr. Bhaswata Bhattacharyya (GATE)
17. Mr. Arindam Chatterjee (GATE)
18. Mr. Arindam Mondal (GATE)
19. Mr. Saptashi Sain (GATE)
20. Mr. Pinaki Nad (GATE)
21. Mr. Abhisek Das (GATE)
22. Mr. Purnadas Ghosh (GATE)
23. Mr. Bapan Samanta (GATE)
24. Mr. Sayed Yunis Ali (GATE)
25. Mr. Subhodeep Das (GATE)

GRE & TOEFL Qualified Students

- 1 Ms. Shibalee Dey
2. Ms. Suchana Chakraborty

Departmental Seminars/Conferences/Workshops:

16th September, 2017, Prof. Sourav Pal, Dept. of Chemistry, IIT Mumbai delivered a seminar lecture on Quantum Chemistry of confined systems

9th December, 2017, Dr. Padmabati Mandal, Postdoctoral Research Fellow, Dept. of Chemistry, University of Basel, Switzerland delivered a seminar lecture on Vibrational Stark Spectroscopy and Dynamics for Assessing Ligand Binding Strength in a Protein'.

11th March, 2018: A National Conference on "Recent Trends in Chemistry Research", Lectures were delivered by

1. Prof. G R Desiraju, Indian Institute of Science, Bangalore.
2. Prof. Pinaki Talukdar, IISER Pune.
3. Prof. Ashutosh Ghosh, Dept. of Chemistry, The University of Calcutta, Kolkata.
4. Prof. Dilip Maity, Dept. of Chemistry, The University of Calcutta, Kolkata.
5. Prof. Ankan Pal, IACS, Kolkata.
6. Prof. Tarasankar Pal, Dept. of Chemistry, IIT Kharagpur

19th March, 2018, Dr. Sudarshan Sekhar Sinha, Postdoctoral Research Fellow, Dept. of Chemistry, Tel Aviv University, Israel delivered a seminar lecture on Ultrasensitive label-free detection and therapeutic application of Nano-biotechnology.

National and International standard Conference/Seminar/Workshop/Exhibition etc.

24th February, 2018, Prof. Bhabatosh Mandal delivered an invited talk in the "National conference on grapheme and functional materials (NCGFM-2018)" organized by CSIR- Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, In CSIR-CMERI DIAMOND JUBILEE YEAR, Title of presentation: Solid phase extraction of metal ions with ligand anchored to 3-D networking silica gel

21st December, 2017, Prof. G Brahmachari delivered an Invited lecture in the National Seminar entitled "National Seminar on Design, Synthesis, Characterization, Reactivity, Theoretical Study and Applications of different Advanced Functional Materials" organized by the Department of Chemistry, University of Burdwan, Golapbag, Burdwan. Title of presentation "Studies with Natural and Natural-Product-Inspired Synthetic Molecules of Biological Promise: Glimpses of Our Sincere Drives". 12th December, 2017, Prof. G. Brahmachari delivered an Invited lecture in the International Seminar entitled "Science: past, Present and Future" organized by the Syamsundar College, University of Burdwan, Purba Burdwan. Title of presentation "Natural and Natural-Product-Inspired Synthetic Molecules of Biological Promise: Glimpses of Our Sincere Drives".

10th October, 2017. Alakananda Hajra delivered an Invited lecture in the International Seminar entitled "Chemical Science" organized by Dept of Chem., Burdwan Raj College, Burdwan University. Title of presentation "Design, synthesis and functionalization of imidazoheterocycles."

7th November, 2017. Alakananda Hajra delivered an Invited lecture in the International Seminar entitled "Material Chemistry for Better Tomorrow" organized by Dept of Chem., Asutosh College, Calcutta University. Title of presentation "Design, synthesis and functionalization of imidazoheterocycles."

4th February, 2018. Alakananda Hajra delivered an Invited lecture in the CRSI national Seminar entitled "Chemical Science" organized by Pt. Ravishankar Shukla University, Raipur. Title of pre-

sentation "Design, synthesis and functionalization of imidazoheterocycles"

2nd-3rd August, 2017, Dr. Kartick Bhowmik presented a poster in the National symposium on Recent Advances in Chemistry & Industry (2017) organized by Indian Chemical Society at IEST, Shibpur, Howrah, West Bengal, India. Title of presentation: "A new organocatalyst derived from (S)-pyrrolidin-2-ylmethanamine and isobutyl chloroformate in highly enantioselective Michael addition reactions in aqueous media"

22nd-23rd May, 2017, Dr. Kartick Bhowmik delivered an oral talk in 2nd International Conference on Industrial chemistry and water treatment organized by Conference series at Las Vegas, USA. Title of presentation: "Small organic molecules as catalysts for asymmetric direct aldol reactions in aqueous media: A green chemistry approach for industrial applications"

20th-21st April, 2017, Dr. Biswajit Dey presented a poster in the International Seminar entitled "International Conference on Emerging Materials" organized by Department of Chemistry and Chemical Technology, Vidyasagar University. Title of presentation "A Supramolecular Hydrogel-DNA hydrogel - Their Applications".

8th November, 2017, Dr. Biswajit Dey delivered an Invited lecture in the national Seminar entitled "Applications of Mathematics and Chemistry in technology and management" organized by Department of Basic Science, NFET, NSHM Knowledge Campus Durgapur, India. Title of presentation "Supramolecular Devices: Crystal to Gels".

8th-10th December, 2017, Dr. Biswajit Dey delivered an Invited lecture in the International Seminar entitled "International Conference on Molecular Spectroscopy (ICMS 2017)" organized by School of Chemical Sciences Auditorium, Mahatma Gandhi University, Kottayam, Kerala, India. Title of presentation "Fluorescence Spectroscopic and Microscopic Sensing of Critical Level Toxic Inorganic Arsenic(III) in water and different bio-species".

23rd-24th December, 2017, Dr. Biswajit Dey delivered an Invited lecture in the International Seminar entitled "Energy, Materials and Information Technology (ICEMIT 2017)" organized by Department of Engineering and Applied Sciences, Amity University Jharkhand, Ranchi, India, Title of presentation "A Supramolecular Hydrogel and its multi-functionality towards nano-bio technology".

20th-21st April, 2017, Dr. Sudip Kumar Mondal presented a paper in the "International Conference on Emerging Materials", 20-21 April, 2017, Vidyasagar University, Midnapore, WB, India; Title of presentation: "Luminescence of Lanthanide Metal ions in MOFs and its Application towards Sensing of Nitroaromatic Explosives".

25th February, 2018, Dr. Bidhan Chandra Bag delivered an Invited lecture in the National Seminar entitled "Electronic Structure, Spectroscopy and Dynamics" organized by the Department of Physical Chemistry, Indian Association for the Cultivation of Science(IACS), Kolkata. Title of presentation: "Bonds of the Entropy Production of the Irreversible Thermodynamics and Its' Relation with the Non Equilibrium Temperature".

16th March, 2018, Prof. Pranesh Chowdhury delivered an Invited lecture in the National Seminar entitled "Waste Management of local self Government" organized by Palli Samgathana Vibhaga, Visva-Bharati & Institution of Public Health Engineers, India. Title of presentation "Problems and

prospects of plastic waste: Polymerization of methyl metacrylate."

23rd June, 2018, Dr. Adinath Majee delivered an invited lecture in Department Lecture Series organized by the Department of Chemistry, Sidho-Kanho-Birsha University (SKBU), Purulia, West Bengal, Title of presentation: "Neat Concept : The Recent Technique in Green Chemistry ."

18th August, 2017, Dr. Adinath Majee delivered an invited lecture in "Lecture Series in 2017 organized by Royal Society of Chemistry (EIS)" in the Department of Chemistry, Calcutta University, West Bengal, Title of presentation: "Neat Concept in Organic Synthesis : One Step Forward Towards Sustainability"

21st December, 2017, Prof. Pranab Sarkar delivered an Invited lecture in the National Seminar entitled "National Seminar on Design, Synthesis, Characterization, Reactivity, Theoretical Study and Applications of different Advanced Functional Materials" organized by the Department of Chemistry, University of Burdwan, Golapbag, Burdwan. Title of presentation: "In Silico Design of Functional Materials:

The Strength and Limitation"

14th February, 2018, Prof. Pranab Sarkar delivered an invited talk in Lecture workshop: Science Academies on Recent trends in interdisciplinary Sciences organized by Integrated Science Education and research Centre, Visva-Bharati, Santiniketan. Title of Presentation: "Symmetry, Group theory and their application in molecular quantum Mechanics"

2nd March, 2018, Prof. Pranab Sarkar delivered an invited talk in the International conference on Systems and Processes in Physics, Chemistry and Biology (ICSPPCB-2018) organized by the Dept. of Physics, Assam University, Silchar. Title of Presentation: Computational Design of Functional Materials".

21st March, 2018, Prof. Pranab Sarkar delivered a Plenary lecture in National Conference on Emerging Materials (NCEM-2018) organized by Dept. of Chemistry, Assam University, Silchar. Title of Presentation: " In Silico Design of Functional Materials".

Ongoing Research Projects in the Department:

Name of Teacher: Prof. Pranesh Chowdhury

Name of the project: Design and synthesis of water soluble conjugate polymers for colorimetric, fluorescent and photo-thermal probes

Sponsoring Agencies: CSIR New Delhi

Amount sanctioned: 36.6 Lakhs

Duration of the project: Three Years (2017-2020)

Name of Teacher: Prof. Pranesh Chowdhury

Name of the project: Designed synthesis of ultra-bright water-soluble conjugate polymers to explore its colorimetric, fluorescent and photo-thermal sensing property

Sponsoring Agencies: DST, SERB, New Delhi

Amount sanctioned: 38.7 Lakhs

Duration of the project: Three Years (2017-2020)

Name of Teacher: Prof. Swapan K. Chandra
Name of the project: "Magnetically Promising Homo and Heterometallic Molecules"
Sponsoring Agencies: Department of Science & Technology, Govt. of West Bengal
Amount sanctioned: Approx. Rupees 10.4 Lakhs
Duration of the project: Generally Three Years (01.04.2016 to date)

Name of the teacher: Prof. Pranab Sarkar
Name of the Project: Electronic Structure of Functionalized Nanoparticles
Sponsoring Agencies: UGC New Delhi.
Amount Sanctioned: 9.8 L
Duration of the project: 2015-2018

Name of the teacher: Prof. Pranab Sarkar
Name of the Project: Computational Studies on the Catalytic Activities of (Al₂O₃)_n Nanoclusters for Various Organic Reactions
Sponsoring Agencies: CSIR New Delhi.
Amount Sanctioned: 12 L
Duration of the project: May, 2017-April, 2020

Name of the teacher: Prof. Pranab Sarkar
Name of the Project: Time domain density-functional tight-binding simulation of inorganic-organic nanohybrids - A search for better photovoltaic devices
Sponsoring Agencies: DST Nano Mission, New Delhi.
Amount Sanctioned: 67 L
Duration of the project: 2017-2020

Name of the teacher: Prof. Goutam Brahmachari
Name of the Project: A sincere drive to develop eco-friendly methodologies for some useful organic transformations in the absence of organic solvents
Sponsoring Agencies: CSIR, New Delhi.
Amount Sanctioned: 12.65 L
Duration of the project: 3 yrs

Name of the teacher: Prof. Goutam Brahmachari
Name of the Project: Design for Energy-Efficient Synthesis of Biologically Relevant Heterocycles
Sponsoring Agencies: SERB-DST, New Delhi.
Amount Sanctioned: 35.26 L
Duration of the project: 3 yrs

Name of the teacher: Prof. Goutam Brahmachari (Co-PI)
Name of the Project: Pharmacokinetics and toxicology of toxins in boiled aqueous extract of Cleistanthus collinus leaves.
Sponsoring Agencies: DBT, New Delhi
Amount Sanctioned: 39.62 L
Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee
Name of the Project: Development of New Atom-Efficient Synthetic Methodologies for Organic and Organometallic Synthesis of Target (Hetero)- and Macrocycles for The Needs of Industry and Pharmacy.

Sponsoring Agencies: DST-RSF
Amount Sanctioned: Rs. 46,00,000/-
Duration of the project: 3 yrs

Name of the teacher: Dr. Alakananda Hajra
Name of the Project: Exploration of aprotic imidazolium based zwitterions as organocatalyst in organic synthesis

Agencies: DST, GoWB
Amount Sanctioned: 12 L
Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. Alakananda Hajra
Name of the Project: Transition metal-catalyzed Asymmetric C-H Functionalization: Synthesis of Enantioenriched Building Blocks

Agencies: DST, SERB
Amount Sanctioned: 45 L
Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. Alakananda Hajra
Name of the Project: Development of new functional materials and green routes for efficient and stable organic photovoltaic devices

Agencies: DST (Indo-Russian Joint Project), Collaboration with ISERC, Visva-Bharati; JNCASR, Bangalore and IACS, Kolkata
Amount Sanctioned: 61 L

Name of the teacher: Dr. Alakananda Hajra
Name of the Project: Visible light organophotoredox catalysis: towards an environmentally friendly approach to organic synthesis

Agencies: CSIR, New Delhi.
Amount Sanctioned: 23 L
Duration of the project: 3 yrs (2017-20)

Name of the teacher: Dr. Alakananda Hajra
Name of the Project: The design, synthesis and evaluation of antiproliferative activity of novel fused N-heterocyclic derivatives of steroids

Agencies: DST (Indo-Russian Joint Project)
Amount Sanctioned: 24 L
Duration of the project: 2 yrs (2017-19)

Name of the teacher: Dr. Md. Motin Seikh
Name of the Project: A concerted drive towards ambient pressure synthesis and physical charac-

terization of multiferroic quadruple perovskites A'A3B4O12

Agencies: DST, SERB

Amount Sanctioned: 37 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. Md. Motin Seikh

Name of the Project: . Layered perovskite related oxide materials: Synthesis, structure and Agencies: DST-RFBR

Amount Sanctioned: 27 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr Sudip Kumar Mondal

Name of the Project: Detailed Mechanistic Study of Chemical Sensing by Fluorescent Materials

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 24.84 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Biswajit Dey

Name of the Project: Synthesis, characterization and search the functionality of supramolecular networks of few selective metal ions with N,O-donor organic ligands in water media

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 16.5 L

Duration of the project: 3 yrs

Name of the Project Investigator: Dr. Kuheli Chakraborty, DST Woman Scientist

Name of the Mentor: Dr. Gourab Kanti Das

Name of the Project: Computational studies on the transition metal catalyzed C-C and C-H bond activation with special emphasis on Iridium, Platinum and Gold catalyzed reactions

Sponsoring Agency: DST, New Delhi

Amount sanctioned : 18 L

Duration of the Project: Two yrs

Name of the Project Investigator: Dr. Susanta Malik, DST, SERB

Name of the Mentor: Prof. Bhabatosh Mandal

Name of the Project: Functionalisation of silica gel with ligands of bioactive groups and its analytical application in remediation of toxic and heavy metals including rare earth classes.

Sponsoring Agency: DST, New Delhi

Amount sanctioned : 18 L

Duration of the Project: Two yrs

Extension activities/NSS/Cultural and other activities organized by the department and participated by the teachers and students of the department.

- (i) Involved in organizing and celebrating Teacher's Day in the Department with the students.
- (ii) Involved in celebrating "Gandhi Punnahaya" on 10th March with the students.
- (iii) Involved in student's counseling and placement for Ph. D.

(iv) Involved in organizing Student's Farewell Program in the Department with the students and had taken the responsibility of reaching all the girl students to their respective hostels after evening program.

(v) Involved with the Departmental Football and Cricket Team during Inter-departmental competition (as a teacher giving encouragement).

(vi) Involved in Fresher's welcome of Siksha-Bhavana.

Academic distinctions gained by teachers/Scholars or the department as a whole (Like recognition as D.S.A or C.A.S. etc.)

Prof. Goutam Brahmachari

(i) has been elected as Fellow of the Royal Society of Chemistry (London) (November, 2017)

(ii) has been awarded National Level Dr. Kalam Best Teaching Faculty Award-2017 conferred by

Dr. Kalam Educational Trust, Chennai.

(iii) Associate Editor, Current Green Chemistry (2017 - to date)

(iv) Elsevier Editor for the Book Series 'Natural product Drug Discovery'

(v) Prof. Goutam Brahmachari has been continuing as

Member, Editorial Advisory Board, Current Catalysis (2014 - to date)

Member, Editorial Advisory Board, Rasayan Journal of Chemistry (2014 - to date)

Member, Editorial Advisory Board, Journal of Biochemistry and Molecular Biology Research (2014- to date)

Member, Editorial Advisory Board, Current Organocatalysis (2015 - to date)

Member, Editorial Advisory Board, Journal of Scientific Research and Advances (2015 - to date)

Member, Editorial Advisory Board, BOAJ Chemistry (2015 - to date)

Member, Editorial Advisory Board, Iranian Chemical Communications (2016 - to date)

(b) Dr. Alakananda Hajra has been awarded the Chemical Research Society of India (CRSI) Bronze Medal for the year 2018.

(b) Prof. P. Chowdhury selected Member, Editorial Advisory Board, Journal of Polymer Materials (2016 to till date)

(c) One of the Research Scholar of the Department of Chemistry, Smt. Rohini Saha was awarded the 'Outstanding Paper Award in Chemistry' in the '25th West Bengal State Science and Technology Congress, 2018' for her presentation, held in Science City, Kolkata during 4-5th March, 2018.

Publications within the year April 2017- March 2018

Books

1. An Introduction to Supramolecular Chemistry by Asim K. Das & Mahua Das, CBS Publishers & Distributors, New Delhi 110002, 1st Edn. 2017, ISBN:978-93-85915-87-1

2. An Introduction to Nanomaterials and Nanoscience by Asim K. Das & Mahua Das, CBS Publishers & Distributors, New Delhi 110002, 1st Edn. 2017, ISBN:978-93-85915-67-3.

3. Goutam Brahmachari (2018) Catalyst-Free Organic Synthesis. Cambridge (London), The Royal Society of Chemistry, 2018, ISBN: 978-1-78262-412-7.

4. Goutam Brahmachari (2017) Discovery and Development of Neuroprotective Agents from

Natural Products. The Netherland, Elsevier, 2017. ISBN: 9780128095935.

5. Goutam Brahmachari (2017) *Cardioprotective Natural Products: Promises and Hopes*. Singapore, World Scientific Publishing Co., 2017, ISBN: 978-981-3231-15-3.

Book Chapters

1. G. Brahmachari, "Novel Antidepressant Drugs: Exploring Neurotrophins and Intracellular Signaling Pathways" in *The Search for Antidepressants ? An Integrative View of Drug Discovery*, eds. Andre F. Carvalho, Gislaïne Zilli Reus, João Luciano de Quevedo. Bentham Publisher, 2017, pp. 256-297.

2. G. Brahmachari, "P-Chemistry at Ambient Conditions: A Recent Update" in *New Developments in Organophosphorus Chemistry*, ed. György Keglevich. Germany: DeGruyter, 2018, pp. 214-231.

3. G. Brahmachari, "Green Synthetic Approaches in Organophosphorus Chemistry: Recent Developments" in *RSC Specialist Periodical Report - Organophosphorus Chemistry - Vol. 47*, eds. David W. Allen, David Loakes John Tebby. Cambridge: London, 2018, pp. 425-440.

4. Kartick C. Bhowmick, Tanmoy Chanda "Asymmetric Organocatalysis in Aqueous Media" in *Green Techniques for Organic Synthesis and Medicinal Chemistry*, eds. Wei Zhang, Berkeley W. Cue. New Jersey, USA: John Wiley & Sons, Ltd. 2018, ch. 12. pp. 291-324.

(iii) Research papers in peer reviewed journals (National and International).

Regioselective synthesis of unsymmetrical biheteroaryls via copper (II)-catalyzed cascade annulations. Samanta, S. and Hajra,* A. *Chemical Communications*, 2018, 54, 3379

Regioselective C7 Nitration of 8-Aminoquinoline Amides Using tert-Butyl Nitrite. S Mondal, S Samanta and Hajra,* A. *Advanced Synthesis & Catalysis*, 2018, in press

Synthesis of Benzo[4,5]imidazo[2,1-b]thiazole by Cu(II)-catalyzed Thioamination of Nitroalkene with 1H-Benzo[d]imidazole-2-thiol. Jana, S. Chakraborty, A, Shirinian, V. Z and Hajra,* A. *Advanced Synthesis & Catalysis*, 2018, in press

Ruthenium (II)-catalyzed remote C-H addition of 8-aminoquinoline amide to activated aldehyde. Mondal, S. And Hajra,* A. *Organic & Biomolecular Chemistry*, 2018, in press

Visible light induced tetramethylethylenediamine assisted formylation of imidazopyridines. Kibriya, G; Bagdi, A K and Hajra,* A. *Organic & Biomolecular Chemistry*, 2018, in press

A convergent synthesis of vinyloxyimidazopyridine via Cu (i)-catalyzed three-component coupling S Samanta, S Mondal, Hajra,* A. *Organic & Biomolecular Chemistry*, 2018, 16, 1088

Environment-Friendly Protocol for the Chlorination of Imidazoheterocycles by Chloramine-T. Dey, A.; Singsardar, M.; Sarkar, R. and Hajra,* A. *ACS Omega*, 2018, 3, 3513.

Synthesis of Triazolium Inner Salts by Thiocyanation of Aldehyde-Derived Hydrazones Mondal, S.; Samanta. S. and Hajra,* A. *European Journal of Organic Chemistry*, 2018, 1060

Metal-free C-H arylation of imidazoheterocycles with aryl hydrazines Jana, S.; Samanta, S.; Bagdi, A. K.; Shirinian, V. Z. and Hajra,* A. *RSC Advances*, 2018, 8, 12360.

Brønsted Acidic Ionic Liquid-Catalyzed Regioselective Synthesis of Pyrazolopyrimidines and Their

Photophysical Properties. Singardar, M.; Sarkar, R.; Majhi, K.; Sinha, S. and Hajra,* A. *Chemistry Select*, 2018, 3, 1404.

Synthesis and characterization of host-guest inclusion complex of m-cresol with β -cyclodextrin. Majhi, K.; Khatun, R.; Jana, S.; Hajra, A and Sinha, S. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 2018, 90, 61.

Visible Light Organic Photoredox-Catalyzed C-H Alkoxylation of Imidazopyridine with Alcohol G Kibriya, S Samanta, S Jana, S Mondal and Hajra,* A. *The Journal of Organic Chemistry*, 2017, 82, 13722.

Metal-Free Synthesis of Indoles from Arylhydrazines and Nitroalkenes at Room Temperature M Singardar, A Chakraborty, S Jana, Hajra,* A. *Chemistry Select*, 2017, 2, 8893.

Aminomethylation of Imidazoheterocycles with Morpholine S Mondal, S Samanta, M Singardar, Hajra,* A. *Organic Letters*, 2017, 19, 3751.

Steroidal pyrimidines and dihydrotriazines as novel classes of anticancer agents against hormone-dependent breast cancer cells. Alexander M Scherbakov Scherbakov, Alexander V Komkov, Anna S Komendantova, Olga Andreeva, Valerii Z Shirinian, Alakananda Hajra, Igor Zavarzin, Yulia Volkova. *Frontiers in Pharmacology*, 2017, 8, 979.

FeCl₃/ZnI₂-Catalyzed regioselective synthesis of angularly fused furans. Dey, A and Hajra,* A. *Org. Biomol. Chem.*, 2017, 15, 8084.

(Diacetoxy)iodobenzene-mediated Oxidative C-H Amination of Imidazopyridines at Ambient Temperature. Mondal, S.; Samanta, S.; Jana, S. and Hajra,* A. *J. Org. Chem.*, 2017, 82, 4504.

Copper-Catalyzed Regioselective Synthesis of Multisubstituted Furans by Coupling between Ketones and Aromatic Olefins. Dey, A.; Ali, A.; Jana, S. and Hajra,* A. *J. Org. Chem.*, 2017, 82, 4812.

Sodium persulfate mediated selenylation of arenofurans. Kibriya, G. Samanta, S.; Singardar, M.; Jana, S. and Hajra,* A. *Euro. J. Org. Chem.* 2017, 3055.

Palladium-catalyzed synthesis of indole fused coumarins via cross-dehydrogenative coupling . Dey, A.; Ali, A. and Hajra,* A. *Tetrahedron Letters*, 2017, 58, 313.

Pot, Atom, Step Economic (PASE) Approach towards (Aza)-2,2'-Bipyridines: Synthesis and Photophysical Studies, Albert F. Khasanov, Dmitry S. Kopchuk, Grigory A. Kim, Pavel A. Slepukhin, Igor S. Kovalev, Sougata Santra, Grigory V. Zyryanov, Adinath Majee, Oleg N. Chupakhin, and Valery N. Charushin, *Chemistry Select*, 2018, Vol - 2, 340-347

An Efficient Cyanide-free Approach towards 1-(2-Pyridyl)isoquinoline-3-carbonitriles via the Reaction of 5-Phenacyl-1,2,4-triazines with 1,2-Dehydrobenzene in the Presence of Alkyl Nitrites, D. S. Kopchuk, A. P. Krinochkin, A. F. Khasanov, I. S. Kovalev, P. A. Slepukhin, E. S. Starnovskaya, A. Mukherjee, M. Rahman, G. V. Zyryanov, A. Majee, V. L. Rusinov, O. N. Chupakhin, S. Santra, *Synlett*, 2017, 3341

Copper nanoparticles as inexpensive and efficient catalyst: a valuable contribution in organic synthesis, N. Ojha, G. V. Zyryanov, A. Majee, V. N. Charushin, O. N. Chupakhin, S. Santra, *Coordination Chem.* 2017, Vol -353, 1-57

Conjugated Addition of Amines to Electron Deficient Alkenes: A Green Approach, A. Mukherjee, R. Chatterjee, A. De, S. Samanta, S. Mahato, N. C. Ghosal, A. Majee, *Chimica Techno Acta* 2017, Vol- 4 (2), 140-147

Symmetrically functionalized 5,5"-diaryl- and 5,6,5"-triaryl-2,2':6',2"-terpyridines: an efficient synthetic route and photophysical properties, A. P. Krinochkin, D. S. Kopchuk, A. F. Khasanov, N. V. Chepchugov, I. S. Kovalev, S. Santra, G. V. Zyryanov, A. Majee, V. L. Rusinov, and O. N. Chupakhin, *Can. J. Chem.* 2017, 851-857

The Remarkable Cooperative Effect of a Brønsted Acidic Ionic Liquid in Cyclization between 2-Aminobenzamides with Ketones, S. Das, S. Santra, S. Jana, A. Majee, G. V. Zyryanov and A. Hajra, *Eur. J. Org. Chem.* 2017, 4955-4962

A Domino Approach for the Synthesis of α -Iodo- β -dicarbonyl Compounds from α -Epoxy-carbonyls, S. Mahato, R. Chatterjee, S. Santra, G. V. Zyryanov, A. Hajra, and A. Majee, *Chemistry Select*, 2017, Vol -2, 6254-6259

Zwitterionic imidazolium salt: an efficient organocatalyst for tetrahydropyranylation of alcohols, S. Mahato, R. Chatterjee, N. Chakraborty Ghosal, and A. Majee, *Synth. Commun.* 2017, Vol- 47, 1905-1915.

Solvent-free synthesis of (poly)thiacalix[n]arenes: the evaluation of possible mechanism based on semi-preparative HPLC separation and mass-spectrometric investigation of the reaction products, I. S. Kovalev, M. Rahman, L. K. Sadieva, D. E. Pavlyuk, K. Giri, S. Santra, D. S. Kopchuk, G. V. Zyryanov, A. Majee, O. N. Chupakhin, and V. N. Charushin, *Arkivoc*, 2017, v, 159-171

Brønsted acidic ionic liquid-catalyzed tandem reaction: an efficient approach towards regioselective synthesis of pyrano[3,2-c]coumarins under solvent-free conditions bearing lower E-factors, S. Mahato, S. Santra, R. Chatterjee, G. V. Zyryanov, A. Hajra and A. Majee, *Green Chemistry*, 2017, Vol -19, 3282-3295

A Mild and Efficient Method for the Syntheses and Regioselective Ring-Opening of Aziridine, N. Chakraborty Ghosal, S. Mahato, R. Chatterjee, S. Santra, G. V. Zyryanov and A. Majee, *Syn Open.* 2017, 15-23

Extended cavity pyrene-based iptycenes for the turn-off fluorescence detection of nitroaromatic explosives and RDX, A. F. Khasanov, D. S. Kopchuk, I. S. K. O. S. Taniya, K. Giri, S. Santra, M. Rahman, A. Majee, V. N. Charushin and O. N. Chupakhin, *New J. Chem.* 2017, Vol- 41, 2309

An efficient synthetic approach towards new 5,5'-diaryl-2,2'-bipyridine-based Fluorophores, A. P. Krinochkin, D. S. Kopchuk, N. V. Chepchugov, G. A. Kim, I. S. Kovalev, M. Rahman, G. V. Zyryanov, A. Majee, V. L. Rusinov, O. N. Chupakhin, *Chinese Chemical Letters* 2017, Vol -28, 1099-1103

Solvent-free synthesis of 5-(aryl/alkyl)amino-1,2,4- triazines and a-arylamino-2,2'-bipyridines with greener prospects, D. S. Kopchuk, N. V. Chepchugov, I. S. Kovalev, S. Santra, M. Rahman, K. Giri, G. V. Zyryanov, A. Majee, V. N. Charushina and O. N. Chupakhina, RSC Advances, 2017, Vol -7, 9610-9619.

Understanding of the interactions of ctDNA with an antioxidant flavone analog: Exploring the utility of the small molecule as fluorescent probe for biomacromolecule, A. Karmakar, T. Mallick, M.N. Alam, S. Das, S. Batuta, S.K. Chandra, D. Mandal, N. A. Begum, Journal of Molecular Structure, 2018, In-press.

Naturally occurring green multifunctional agents: Exploration of their roles in the world of graphene and related systems, A. Karmakar, T. Mallick, N. A. Begum, Nano-Structures & Nano-Objects, 2018, 13, 1-20.

Fluorescent Small Molecules Are BIG Enough To Sense Biomacromolecule: Synthesis of Aromatic Thioesters and Understanding Their Interactions with ctDNA, T. Mallick, A. Karmakar, S. Batuta, G. Ahamed, S. Das, M. N. Alam, M. Mukherjee, N. Das, D. Mandal, N. A. Begum, ACS Omega, 2018, 3 (1), 334-348.

Efficacy and field applicability of Burmese grape leaf extract (BGLE) for cadmium removal: An implication of metal removal from natural water, R. Borah, D. Kumari, A. Gogoi, S. Biswas, R. Goswami, J. Shim, N. A. Begum, M. Kumar, Ecotoxicology and environmental safety, 2018, 147, 585-593.

Exploring the efficacy of Basella alba mucilage towards the encapsulation of the hydrophobic antioxidants for their better performance, S. Das, M. N. Alam, S. Batuta, G. Ahamed, C. Fouzder, R. Kundu, D. Mandal, N. A. Begum, Process Biochemistry, 2017, 61, 178-188.

Antioxidant flavone analog functionalized fluorescent silica nanoparticles: Synthesis and exploration of their possible use as biomolecule sensor, S. Das, S. Batuta, M.N. Alam, C. Fouzder, R. Kundu, D. Mandal, N.A. Begum, Colloids and Surfaces B: Biointerfaces, 2017, 157, 286-296.

Calcium phosphate-quercetin nanocomposite (CPQN): A multi-functional nanoparticle having pH indicating, highly fluorescent and anti-oxidant properties, M. Patra, R. Mukherjee, M. Banik, D. Dutta, N.A. Begum, T. Basu, Colloids and Surfaces B: Biointerfaces, 2017, 154, 63-73.

Proton transfer dynamics in a polar nanodroplet: ESIPT of 4'-n, n-dimethylamino-3-hydroxyflavone in AOT/alkane/water reverse micelles, D. Ghosh, S. Batuta, N.A. Begum, D. Mandal, Journal of Luminescence, 2017, 184, 64-73.

Photophysical studies on a photoactive yellow protein fluorophore analog with the 4-Hydroxy group replaced by 4-Dimethylamino group, G. Ahamed, S. Batuta, D. Ghosh, N.A. Begum, D. Mandal, Journal of Photochemistry and Photobiology A: Chemistry, 2017, 335, 86-93.

Solvent-and catalyst-free N-formylations of amines at ambient condition: Exploring the usability of aromatic formates as N-formylating agents, S. Batuta, N.A. Begum, 2017, Synthetic Communications 47 (2), 137-147.

Rapid estimation of lead in lipstick, A. Ghosh, S. Das, S. Kundu, P. Maiti, and P. Sahoo, *Sens. Actuators B: Chem.*, 266, 80-85, 2018.

Visualisation of DCP, a nerve agent mimic, in Catfish brain by a simple chemosensor, H. S. Sarkar, A. Ghosh, S. Das, P. Maiti, S. Moitra, S. Mandal and P. Sahoo, *Nature Sci. Rep.*, 8:3402, February, 2018.

A chemosensor to recognize N-acyl homoserine lactone in bacterial biofilm, S. Das, H. S. Sarkar, D. Mandal, M. R. Uddin, S. Mandal and P. Sahoo, *Sens. Actuators B: Chem.*, 259, 332-338, 2017.

First chemosensor for rapid detection and quantification of L-4-Hydroxyproline in collagen and other bio samples, H. S. Sarkar, S. Das, K. Rissanen and P. Sahoo, *Anal. Chem.*, 89, 13054-13057, 2017.

Differential detection and quantification of cyclic AMP and other adenosine phosphates in live cells, S. Das, H. S. Sarkar, M. R. Uddin, K. Rissanen, S. Mandal and P. Sahoo, *Chem. Commun.*, 53, 7600-7603, 2017.

Turn-on" fluorescence sensing of cytosine: Development of a chemosensor for in vivo quantification of cytosine, H. S. Sarkar, S. Das, D. Mandal, M. R. Uddin, S. Mandal and P. Sahoo, *RSC Adv.*, 7, 54008-54012, 2017.

Selective Recognition and Quantification of 2,3-Bisphosphoglycerate in Human Blood Samples by a Rhodamine Derivative, H. S. Sarkar, S. Das, M. R. Uddin, S. Mandal and P. Sahoo, *Asian J. Org. Chem.*, 6, 71, 2017.

Selective fluorescence sensing and quantification of uric acid by naphthyridine-based receptor in biological sample, P. Sahoo, S. Das, H. S. Sarkar, K. Maiti, M. R. Uddin and S. Mandal, *Bioorg. Chem.*, 71, 315-324, 2017.

Organocatalyzed Asymmetric Diels-Alder Reactions in Aqueous or Semi-Aqueous Media, K. C. Bhowmick, M. Bihani, J. C. -G. Zhao* *Mini Reviews in Organic Chemistry* 2018, 15, 3-19.

Advances on asymmetric organocatalytic 1,4-conjugate addition reactions in aqueous and semi-aqueous media, A. Mondal, S. Bhowmick, A. Ghosh, T. Chanda and K. C. Bhowmick* *Tetrahedron: Asymmetry* 2017, 28, 849-875.

Prolinaldithioacetals: Highly efficient organocatalysts for the direct nitro-Michael additions in both organic and aqueous media, T. Mandal, W. Kuo, M. Su, K. C. Bhowmick, J. C. -G. Zhao* *Tetrahedron* 2017, 73, 6597-6603.

Highly selective acylation of polyamines and aminoglycosides by 5-acyl-5-phenyl-1,5-dihydro-4H-pyrazol-4-ones, K. O. Marichev, E. C. Garcia, K. C. Bhowmick, D. J. Wherritt, H. Arman, M. P. Doyle* *Chem. Sci.* 2017, 8, 7152-7159.

Revisited the mechanism of the transition metal catalyzed cycloetherification of α -hydroxy propargylic ester: A DFT study, A. Chatterjee, R. Saha, D. Panja, S. Ghosh, S. Mondal, A. Ghosh, G. K. Das*, *Comput. Theor. Chem.*, 1114 (2017) 146-152.

Utilization of MeOH as a C1 building block in tandem three component coupling reaction. K. Chakraborti, M. Maji, D. Panja, B. Poul, S. Shee, G. K. Das and S. Kundu. *Org. Lett.* 19(18) (2017), 4750-4753.

Tandem cross coupling reaction of alcohols for sustainable synthesis of α -alkylated secondary alcohols and flavan derivatives. S. Shee, B. Poul, D. Panja, B. C. Roy, K. Chakraborti, K. Ganguli, A. Das, G. K. Das and S. Kundu. *Adv. Syn. Catal.* 359 (2017), 3888-3893.

Au-catalyzed Hexannulation and Pt-Catalyzed Pentannulation of Propargylic Ester Bearing a 2-Alkynyl-phenyl Substituent: A Comparative DFT Study. A. Ghosh, A. Basak, K. Chakraborty, S. Mondal, A. Chatterjee, G. K. Das*. *ACS. Omega.* 3 (2018), 1159-1169.

Study on the mechanism of isomerization of oxaspirohexane catalyzed by Zeise's Dimer S. Mondal, A. Chatterjee, R. Saha, A. Ghosh, K. Chakraborty, G. K. Das*, *Molecular Catalysis* (Accepted).

Sulfamic acid-catalyzed one-pot synthesis of a new series of biologically relevant indole-uracil molecular hybrids in water at room temperature, G. Brahmachari, N. Nayak, *ChemistrySelect*, 2018, Vol. 3, pp. 3400-3405.

Molecular modeling, spectroscopic investigations, and computational studies of DMSO solvated 7-amino-1,3-dimethyl-2,2,4-trioxo-1,2,3,4,4a,8a-tetrahydrospiro [indoline-3,5-pyrano[2,3-d]pyrimidine]-6-carbonitrile, S. Sharma, G. Brahmachari, A. Kumar, N. Misra, R. Kant, V. K. Gupta, *Journal of Structural Chemistry*, 2018, Vol. 59, pp. 237-246.

Crystal structure of ethyl 6-amino-5-cyano-4-(4-fluorophenyl)-2,4-dihydropyrano-[2,3-c]pyrazole-3-carboxylate, B], B. Banerjee, G. Brahmachari, V. K. Gupta, *Crystallography Reports*, 2018, Vol. 63, pp. 392-397.

Structure, spectroscopic analyses (FT-IR and NMR), vibrational study, chemical reactivity and molecular docking study on 3,3'-((4-(trifluoromethyl)phenyl)methylene)bis(2-hydroxynaphthalene-1,4-dione), a promising anticancerous bis-lawsone derivative, K. S. Yadav, A. Kumar, N. Misra, G. Brahmachari, *Journal of Molecular Structure*, 2018, Vol. 1154, pp. 596-605.

Highly functionalized piperidines: Free radical scavenging, anticancer activity, DNA interaction and correlation with biological activity, S. Das, C. J. da Silva, de M. Silva M., de A. Dantas M. D., de Fátima Â, Góis Ruiz A. L. T., da Silva C. M., de Carvalho J. E., Santos J. C. C., Figueiredo I. M., da Silva-Júnior E. F., de Aquino T. M., de Araújo-Júnior J. X., G. Brahmachari, L. V. Modolo, *Journal of Advanced Research*, 2018, Vol. 9, pp. 51-61.

Development of a water-mediated and catalyst-free green protocol for easy access of a huge array of diverse and densely functionalized pyrido [2,3-d:6,5-d']dipyrimidines via one-pot multi-component reaction under ambient conditions, G. Brahmachari K. Nurjamal, I. Karmakar, S. Begam, N. Nayek, B. Mandal, *ACS Sustainable Chemistry & Engineering*, 2017, Vol. 5, pp. 9494-9505.

Catalyst-free one-pot synthesis of a novel series of biologically relevant 5-aryl-2-oxo-/thioxo-2,3-dihydro-1H-benzo[6,7]chromeno [2,3-d]-pyrimidine-4,6,11(5H)-triones by multicomponent reactions under ambient conditions, G. Brahmachari, N. Nayak *ACS Omega*, 2017, Vol. 2, pp. 5025-5035.

Facile and chemically sustainable catalyst-free synthesis of diverse 2-aryl-4-alkyl/aryl-pyrano[3,2-c]chromen-5(4H)-ones by one-pot multicomponent reactions at room temperature, G. Brahmachari, K. Nurjamal, *ChemistrySelect*, 2017 Vol. 2, pp. 3695-3702.

Bismuth nitrate catalyzed one-pot multicomponent synthesis of a novel series of diversely substituted 1,8-dioxodecahydroacridines at room temperature", G. Brahmachari, S. Begum, K. Nurjamal, *ChemistrySelect*, 2017, Vol. 2, pp. 3311-3316.

Synthesis, spectral characterization, and single crystal structure studies of biologically relevant bis-indoline heterocyclic scaffold, S. Sharma, G. Brahmachari, B. Banerjee, V. K. Gupta, *Crystallography Reports*, 2017, Vol. 62, pp. 889-893.

1,6-Dihydroxy-3-methyl-9,10-anthraquinone: An anti-cancerous natural pigment from *Cassia sophera* Linn. (Caesalpinaceae), G. Brahmachari, A. Mondal, S. Mondal, Modolo L. V., de Fátima Â., Ruiz A. L. T. G., J. L. de Carvalho, *Indian J. Chemistry*, 2017, Vol. 56B, pp. 1251-1255.

Nonlinear optical property of 6'-amino-5-fluoro-2-oxo-3'-propyl-2'H-spiro[indoline-3,4'-pyrano[2,3-c]pyrazole]-5'-carbonitrile ? a theoretical approach, A. Kumar, A. K. Srivastava, R. Kuamar, G. Brahmachar, N. Misra, *Organic & Medicinal Chem IJ*, 2017, Vol. 3(4): 555617.

Spectral (FT-IR, NMR) analyses, molecular structure, chemical bonding and molecular docking of two hexahydroacridine-1,8(2H,5H)-dione derivatives: A comparative quantum chemical study, A. K. Srivastava, D. V. Shukla, A. Kumar, G. Brahmachari, N. Misra, *Polycyclic Aromatic Compounds*, 2017, Vol. 37, pp. 426-441.

Selective detection of Triton X-100 based organized media by a 1-D coordination polymer of Cu(II) in water: Fluorescence spectroscopic and microstructural investigations, Subhendu Dhibar, Debasish Ghosh, Amiya Dey, Ranjan Kumar Mondal, Biswajit Dey*, *Journal of Molecular Liquids*, 2017, 241, pp. 74-80.

Polyphenol oxidase-based luminescent enzyme hydrogel: an efficient redox active immobilized scaffold, Biswajit Dey* et al, *Bulletin of Materials Science*, 2018, 41, pp. 1-8.

Chelator Probe with Exceptionally High Stokes Shift for Selective Detection of OAc₋ with Red Emission: Application as a Biosensor, K. Pramanik, P. Ghosh, D. Dey, P. Malpaharia, S. K. Chandra, S. K. Mukhopadhyay, P. Banerjee, *Chem. Select*, 2018,3, 1151-1156.

Understanding of the interactions of ctDNA with an antioxidant flavone analog: Exploring the utility of the small molecule as fluorescent probe for biomacromolecule, A. Karmakar, T. Mallick, Md. N.I Alam, S. Das, S. Batuta, S. K. Chandra, D. Mandal, N. A. Begum, *J. Mol. Structure*, 2018, 1165, 276-287.

Octadentate flexible ligands as a platform for a variety of homo and heterometallic complexes containing diphenoxido and phenoxido/azido bridging groups: synthesis, structure and magnetic properties, K. Pramanik, P. Malpaharia, E. Colacio, B. Das and S. K. Chandra, *New J. Chem.*, 2018, 0000 (in press).

Solubility and solute-solvent interactions phenomenon of succinic Acid in Aqueous Ethanol mixtures. Kalachand Mahali, Partha Sarathi Guin, Sanjay Roy and Bijoy Krishna Dolui *; Journal of Molecular Liquids;229 (2017) 172-177.

Effects of Thermodynamics on the Solvation of Amino Acids in the Pure and Binary Mixtures of Solutions: A Review. Aslam Hossain, Sanjay Roy and Bijoy Krishna Dolui *; Journal of Molecular Liquids, 232 (2017) 332-350.

Study on solubility & transfer gibbs energies of glycine,DL-alanine &DL-valine in aqueous solutions of Na₂SO₄ at 298.15 K & 323.15K. Sanjay Roy, Partha Sarathi Guin , Kalachand Mahali and Bijoy Krishna Dolui *.Journal of Molecular Liquids;234 (2017) 124-128.

Preliminary review on solvation chemistry in aqueous solvents: Application to amino acids.Sanjay Roy and Bijoy krishna Dolui*; Physical chemistry: An Indian Journal. Review , 11(2) (2017) 1-19.

Solvation Thermodynamics of L-Cystine, L-Tyrosine and L-Leucine in Aqueous-Electrolyte Media; Sanjay Roy, Partha Sarathi Guin, Kalachand Mahali and Bijoy Krishna Dolui*; Russian Journal of Physical Chemistry A, 91(12)(2017) 2397-2403.

Transfer Gibbs free energetics of glycine,DL-alanine,DL-nor-valine & DL-serine in aqueous sodium fluoride & potassium fluoride solutions at 298.15 K. Sanjay Roy, Partha Sarathi Guin , Kalachand Mahali, Bijoy Krishna Dolui*; Indian Journal Chemistry; 56A (2017) 399-406.

Solvation thermodynamics of DL-Phenylalanine in aqueous NaNO₃ solution at 298.15 K; S Roy, S Mondal and Bijoy Krishna Dolui*; Russian Journal of Physical Chemistry A; 92 (2018) 732-736.

Evaluation and correlation of solubility and solvation energetics of DL-phenylalanine and DL-serine in water and aqueous ethylene glycol solutions; Srabani Ghosh, Samiran Mondal, Sanjay Roy, Soumen Saha, Dushila Subba and Bijoy Krishna Dolui * ; Journal of Molecular Liquids; 249 (2018) 659-665.

Correction to "amino acid solubility under the influence of NaCl at 298.15K; Sanjay Roy , Partha Sarathi Guin , Kalachand Mahali and Bijoy Krishna Dolui*; Journal of Molecular Liquids; 252 (2018) 144.

Studies on solubility and thermodynamics of solute-solvent interactions of some amino acids in aqueous sodium bromide and potassium bromide solutions. Partha Guin, ; Kalachand Mahali, ; Bijoy Krishna Dolui; , Sanjay Roy; Journal of Chemical Engineering Data, 63 (2018)534-541.

Development of chitosan based gold nanomaterials as an efficient antifilarial agent: A mechanistic approach. Swadhin K. Saha, Priya Roy, Malay K Mondal, Debiprasad Roy, Prajna Gayen, Pranesh Chowdhury, Santi P. Sinha Babu; Carbohydrate Polymer, 2017, 157, 1666-1676.

Sunlight and ultrasound assisted synthesis of photoluminescent silver nanocluster: a unique 'knock out' sensor for thiophilic metal ions. S.Naaz, P.Chowdhury; Sensor and Actuator B, 2017, 241, 840-848.

Cytotoxic and mutagenic effects of Thuja occidentalis mediated silvernanoparticles on human peripheral blood lymphocytes. A.Bandyopadhyay, P.P.Banerjee, P.Shaw, M.K.Mondal, V.Das, P.Chowdhury; N.Karak, S. Bhattacharya, A.Chattopadhyay, Materials Focus (MAT), 2017, 6, 290-296.

Design and synthesis of reduced graphene oxide based supramolecular scaffold: A benign microbial resistant network for enzyme immobilization and cell growth. M.K.Mondal, S.Naaz, P.Chowdhury; *Materials Science & Engineering C*, 2017, 75, 1168-1177.

Synthesis and characterization of polyaniline based materials: their biological relevance. S.Mandal, S.K.Saha, P. Chowdhury; *Int. J. Curr. Microbiol. App. Sci.*, 2017, 6, 2309-2321.

Tenfold enhancement of fluorescence quantum yield of water soluble silver nanoclusters by incorporation of 3-aminophenyl boronic acid: utilized for nanomolar level glucose sensing and precise determination of blood glucose level, S.P.Bayen, M.K.Mondal, S.Naaz, S.K.Mondal, S. Poddar, S.K.Saha, P.Chowdhury; *Sensor and Actuator B*, 2017, 255, 332-340.

Chitosan Biopolymer Functionalized Gold Nanoparticles with Controlled Cytotoxicity and Improved Antifilarial Efficacy, B.P.Roy, S.Mukherjee, N.Mukherjee, P.Chowdhury, S.P.Sinha Babu; *Advanced Composites and Hybrid Materials*, 2018, (In press).

Synthesis, Characterization and Catalytic Activity of Quadruple Perovskite: $\text{CaCu}_3\text{xMnxTi}_4\text{xMnxO}_{12}$ ($x=0, 0.5$ and 1.0), Kamallesh Pal, Arka Dey, Partha P Ray, Natalia E Mordvinova, Oleg I Lebedev, Tapas K Mandal, Md Motin Seikh and Arup Gayen *ChemistrySelect* 3(4), 1076-1087 (2018).

Interplay between single-ion magnetism, single-chain magnetism and long-range ordering in the spin chain oxides $\text{Sr}_4\text{xCa}_x\text{Mn}_2\text{CoO}_9$, 2. Md. Motin Seikh, Vincent Caignaert, Olivier Perez, Bernard Raveau and Vincent Hardy, *J. Mater. Chem. C*, 6, 3362-3372 (2018).

Ultra-high sensitivity of luminescent ZnCr_2O_4 nanoparticles toward nitroaromatic explosives sensing, Debamalya Ghosh, Uma Dutta, Ariful Haque, Natalia Mordvinova, Oleg I Lebedev, Kamallesh Pal, Arup Gayen, Md Motin Seikh and Partha Mahata, *Dalton Trans.*, 47, 5011-5018 (2018).

Room-temperature ferromagnetic Cr-doped Ge/GeO_xcore-shell nanowires, Amar S Katkar, Shobhnath P Gupta, Md Motin Seikh, Lih-Juann Chen and Pravin S Walke, *Nanotechnology* 29, 235705 (2018).

Application of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ based quadruple perovskites as a promising candidate for optoelectronic devices, Kamallesh Pal, Rajkumar Jana, Arka Dey, Partha P Ray, Md Motin Seikh and Arup Gayen, *Chem. Phys. Lett.* 699, 229-233 (2018).

Evidence of Low Temperature Spin Glass Transition in Bixbyite Type FeMnO_3 , Debamalya Ghosh, Uma Dutta, Ariful Haque, Natalia E. Mordvinova, Oleg I. Lebedev, Kamallesh Pal, Arup Gayen, Partha Mahata, Asish K. Kundu and Md. Motin Seikh, *Mater. Sci. Eng. B* 226, 206-210 (2017).

Synthesis, Structure and Magnetic Properties of Nanostructured $\text{La}_{1-x}\text{A}_x\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ ($\text{A}=\text{Ca, Sr and Pb}$; $x=0$ & 0.25) Perovskites, Aslam Hossain, Debamalya Ghosh, Uma Dutta, Pravin S Walke, Natalia E Mordvinova, Oleg I Lebedev, Bhavesh Sinha, Kamallesh Pal, Arup Gayen, Asish K Kundu, Md. Motin Seikh *J. Magn. Mater.* 444, 68-76 (2017).

Benzthiazoline-2-thione (BTT) revisited: An experimental and theoretical endeavor to understand UV-spectra, Prasanta Bandyopadhyay, Barnali Bhattacharya, Koushik Majhi, Prakash Majee, Utpal

- Sarkar and Md. Motin Seikh, *Chem. Phys. Lett.* 686, 88-96 (2017).
- Single-ion and single-chain magnetism in triangular spin-chain oxides, Md. Motin Seikh, V. Caignaert, O. Perez, B. Raveau and V. Hardy *Phys. Rev. B* 95, 174417 (2017).
- Crucial role of sol-gel synthesis in the structural and magnetic properties of LaFe_{0.5}(Co/Ni)_{0.5}O₃ perovskites, V. Solanki, S. Das, S. Kumar, Md. Motin Seikh, B. Raveau and Asish K. Kundu *J. Sol-Gel Sci. Tech.* 82, 536-540 (2017).
- Magnetoelectric coupling in ceramic of the Zn-doped CaBaCo₄O₇ pyroelectric ferrimagnet, K. R. S. P. Meher, V. Caignaert, Md. Motin Seikh, B. Raveau and A Maignan *Ceram. Int.* 43, 208-211 (2017).
- Detection and Selective Sample Clean up of Beryllium(II) through {extractor-HOMO} (:) {Be₃O(OH)₂}²⁺ 'ion pair complexation' amidst Aluminum(III) and Uranium(VI) by employing Fluorescent Assisted Resin: Resin's HOMO Amount, a Quantitative descriptor of BTC, M. Chatterjee, D. Roy, S. Mondal, R. Sarkar, S. Malik, M. K. Barman, B. Srivastava and B. Mandal*, *New J. Chem.*, 2018, DOI: 10.1039/C8NJ01301B n-Capric Acid anchored Silanized-Silica-Gel; Its application to sample clean up of Th(IV) sorbed as a dinuclear species in quantified H-bonded-dimeric-metal-trapping-cores", D. Roy, M. Chatterjee, R. Sarkar, B. Srivastava, S. Banerjee; S. Mondal and M. K. Barman and B. Mandal*, *New J. Chem.*, 2017, 41, 5542-5554
- Fluorescent Resin-Assisted Extraction for Selective Separation and Preconcentration of Mercury(II) and Its Online Detection", B. Srivastava, D. Roy, R. Sarkar, S. Mondal, M. Chatterjee, S. Banerjee, and B. Mandal*, *J. Chem. Eng. Data*, 2017, 62 (8), pp 2350-2361.
- Ex Cathedra Immobilization of 8-Hydroxyquinoline to Inorganic Carriers via a New Silane Coupling Reagent for Extractive Sample Cleanup of Iron(III)", D. Roy, R. Sarkar, B. Srivastava, M. Chatterjee, S. Mondal, S. Banerjee, and B. Mandal*, *J. Chem. Eng. Data*, 2017, 62 (10), pp 3284-3296.
- Selective Luminescence-Based Detection of Cd²⁺ and Zn²⁺ Ions in Water Using a Proton-Transferred Coordination Polymer-Amine Conjugate Pair, D. K. Singha, P. Majee, S. K. Mondal, and P. Mahata, *Chemistryselect* 2017, 2, 3388- 3395.
- Highly Selective Aqueous Phase Detection of Azinphos-Methyl Pesticide in ppb Level Using a Cage-Connected 3D MOF. D. K. Singha, P. Majee, S. K. Mondal, and P. Mahata, *Chemistryselect* 2017, 2, 5760- 5768.
- Solvent Dependent Luminescence Sensing of Nitro-Explosives by a Terbium-Based Metal-Organic Complex. Majee, P. Singha, D.K. Mondal, S. K. and Mahata, P. *Chemistryselect* 2018, 3, 683- 689.
- A luminescent cadmium based MOF as selective and sensitive iodide sensor in aqueous medium. D. K. Singha, P. Majee, S. K. Mondal, and P. Mahata, *Journal of Photochemistry and Photobiology A: Chemistry* 2018, 356, 389- 396.
- Investigation of charge-transfer hydrogen bonding interaction of 1-(pyridylazo)-2-naphthol (PAN)

and 4-(2-Pyridylazo)resorcinol (PAR) with chloranilic acid through experimental and DFT studies. Animesh Karmakar, Bula Singh, *Journal of Molecular Structure*. 2018, 1164, 404-411.

Charge-transfer complex of 1-(2-Thiazolylazo)-2-naphthol with aromatic nitro compounds: Experimental and theoretical studies, Animesh Karmakar, Bula Singh, *Journal of Molecular Liquids*, 2017, 247, 425-433.

Binding interaction of pharmaceutical drug captopril with calf thymus DNA: a multispectroscopic and molecular docking study., Abhijit Mukherjee, Bula Singh, *Journal of Luminescence*, 2017, 190, 319-327.

Spectroscopic, electrochemical and molecular docking study of the binding interaction of a small molecule 5H-naphtho [2, 1-f][1, 2] oxathieaphine 2, 2-dioxide with calf thymus DNA., Abhijit Mukherjee, Shovon Mondal, Bula Singh, *International journal of biological macromolecules*, 2017, 101, 527-535.

Charge-transfer interaction of 4-(2-pyridylazo) resorcinol with nitroaromatics: Insights from experimental and theoretical results, Animesh Karmakar, Bula Singh, *Journal of Molecular Liquids*, 2017, 236, 135-143

Penicillamine and captopril: mechanistic exploration of defensive actions of thiol drugs against a metal bound-superoxo complex, Arobindo Mandal, Ranendu Sheker Das, Bula Singh, Rupendranath Banerjee, Subroto Mukhopadhyay, *Journal of Coordination Chemistry*, 2017, 70, 1723-1738.

Spectroscopic and theoretical studies of charge-transfer interaction of 1-(2-pyridylazo)-2-naphthol with nitroaromatics, Animesh Karmakar, Bula Singh, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2017, 179, 110-119.

Role of anisotropy, spatially-varying effective mass and dielectric constant on the self-polarization effect of doped quantum dots in presence of noise. Ghosh, A. And Ghosh,* M. *Superlattices and Microstructures*, 2017, 104, 438-444.

Influence of noise on the self-polarization effect of impurity doped quantum dots. Ghosh, A. And Ghosh,* M. *Advanced Nano-Bio-Materials & Devices*, 2017, 1, 1-13.

Dipole moment and polarizability of impurity doped quantum dots driven by noise: Influence of hydrostatic pressure and temperature. Bera, A. and Ghosh,* M. *Physica B*, 2017, 515, 18-22.

Influence of binding energy on dipole moment, polarizability and self-polarization effect of impurity doped quantum dots: Role of noise. Ghosh, A. Bera, A. and Ghosh,* M. *Chemical Physics Letters*, 2017, 678, 119-122.

Nonlinear optical properties of doped quantum dots: Interplay between noise and carrier density. Bera, A. Ghosh, A. and Ghosh,* M. *Optical Materials*, 2017, 69, 352-357.

Noise-modulated self-polarization effect of impurity doped quantum dots under simultaneous presence of hydrostatic pressure and temperature. Bera, A. and Ghosh,* M. *Journal of Physics and Chemistry of Solids*, 2017, 109, 26-30.

Role of carrier density on the nonlinear optical properties of doped quantum dots under the supervision of noise. Ghosh, A. Bera, A. and Ghosh,* M. *Optik*, 2017, 142, 590-597.

Modulating binding energy and interband emission energy of impurity doped Quantum dots in presence of Gaussian white noise. Ghosh, A. Bera, A. and Ghosh,* M. *Current Smart Materials*, 2017, 2, 56-64.

Noise-induced total optical absorption coefficient and refractive index change of impurity doped quantum dots under simultaneous influence of hydrostatic pressure and temperature. Bera, A. and Ghosh,* M. *Current Physical Chemistry*, 2017, 7, 243-253.

Dipole moment and polarizability of impurity doped quantum dots under anisotropy, spatially varying effective mass and dielectric screening function: Interplay with noise. Ghosh, A. And Ghosh,* M. *Journal of Physics and Chemistry of Solids*, 2018, 112, 252-257.

Stark shift of impurity doped quantum dots: Role of noise. Sk, Md, A. Bera, A. Ghosh, A. and Ghosh,* M. *Chemical Physics*, 2018, 501, 101-109.

Exploring DC-Kerr effect of impurity doped quantum dots under the aegis of noise. Sk, Md, A. Bera, A. Ghosh, A. and Ghosh,* M. *Optical Materials*, 2018, 76, 237-252.

Exploration of dynamic dipole polarizability of impurity doped quantum dots in presence of noise. Ghosh, A. Bera, A. Saha, S. Sk, Md, A. and Ghosh,* M. *Superlattices and Microstructures*, 2018, 114, 259-273.

Modulation of static dipole polarizability of impurity doped quantum dots in presence of noise. Bera, A. Ghosh, A. Saha, S. Sk, Md, A. and Ghosh,* M. *Journal of Alloys and Compounds*, 2018, 742, 142-150.

Dipole moment and polarizability of impurity doped quantum dots: Role of noise. Ghosh, A. And Ghosh,* M. *Recent Advances in Communications and Networking Technology*, (in press, 2018).

Fokker-Planck equation for the non-Markovian Brownian motion in the presence of a magnetic field, Joydip Das, Shrabani Mondal, and Bidhan Chandra Bag, *J. Chem. Phys.* 2017, Vol.-147, pp-164102-1 ---164102-11.

Phosphorene quantum dot-fullerene nanocomposites for solar energy conversion: An unexplored inorganic-organic nanohybrid with novel photovoltaic properties, B Rajbanshi, M Kar, P Sarkar and P. Sarkar, *Chemical Physics Letters*, 2017, Vol. 685, 16-22.

Computational studies on the mechanism and selectivity of Al₈O₁₂ nanocluster for different elimination reactions, S Biswas, A Pramanik, and P Sarkar, *Structural Chemistry*, 2017, Vol. 28 1895-1906.

Computational Studies on the Keto-Enol Tautomerism of Acetylacetone, P Roy, S Biswas, A Pramanik and P Sarkar, *International Journal of Research on Social and Natural Sciences*, 2017, 2, 1-9.

Quantum chemical investigation on the Ir (iii) complexes with an isomeric triazine-based imidazolium carbene ligand for efficient blue OLEDs, S Urinda, G Das, A Pramanik, and P Sarkar, *Physical Chemistry Chemical Physics*, 2017, Vol. 19, 29629-29640.

Fisher information of two-electron systems, A Saha, B Talukdar, and P Sarkar, *The European Physical Journal Plus*, 2018, Vol. 133, 20.

Tuning the BODIPY core for its potential use in DSSC: a quantum chemical approach, NN Ghosh, M Habib, A Pramanik, P Sarkar and S Pal, *Bulletin of Materials Science*, 2018, Vol-41, 56.

Multi-Functionalities of an Azine-Linked Covalent-Organic Framework: From Nanoelectronics to Nitro-Explosive Detection and Conductance Switching, C Chakravarty, B Mandal, and P Sarkar, *The Journal of Physical Chemistry C*, 2018, Vol- 122, 3245-3255.

Engineering the Electronic Structure of Tin Sulfide Nanoribbons: A Computational Study, M Kar, B Rajbanshi, S Pal and P Sarkar, *The Journal of Physical Chemistry C*, 2018, Vol-122, 5731-5741.

Designing New Course/Curriculum or any other teaching innovations introduced by the department.

We have introduced the CBCS in our UG courses.

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.

A brief history on the development of the Bhavana/Sadana/ Vibhaga concerned with an indication of the future plans for development.

On the basis of our previous research work, 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 metal-organic gel and crystalline supramolecular architectures and inorganic co-crystals followed by their characterization and applications.
- 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.

Particulars in details of the department Library

- (a) Area in (sq. meters) quoted for the library: 70 sq. meters (class room cum library)
- (b) Is there separate provision for reading room? No
- (c) Total No of books: 918
- (d) Total number of books purchased during the year: 40
- (e) Total number of Periodicals: 500
- (f) Total number of Periodicals purchased during the year: Nil
- (g) Total number of readers: 300
- (h) Total number books and periodicals issued: 10
- (i) Total number of Staff-members: Nil.

Any other relevant information

Beyond our syllabus scholarly activities we performed the followings:

- (i) 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.
- (ii) Resourceful person and ex-students (distinguished alumni of the department) are invited to interact with the present student and faculties for well directed motivations.
- (iii) Display of wall magazine at regular interval is a well known practice of our department.

DEPARTMENT OF MATHEMATICS

Name of the students qualified in UGC/CSIR- NET/ SET/ GATE/ NBHM

Sl. No.	UGC/CSIR- NET (June-2017)	GATE-2018
1.	Subrata Maji (JRF)	Sovanjit Saha
2.	Sanjay Singha (JRF)	Milton Mandal
3.	Sanjit Dutta (LS)	Subrata Maji
4.	Abdul Aziz (LS)	Saheb Pal
5.	Saheb Pal (JRF)	Susmita Samanta
6.	Mainul Hossain (JRF)	Sutapa Mandal
7.	Makhan Maji (JRF)	Nirmalya Chakraborty
8.	Susmita Mallik (JRF)	Nandita Barman
9.	Amit Sarkar (JRF)	Manisha Zaman
10.	Supriti Laha (LS)	Nilanjana Majumder
11.		Madhab Barman
12.		Shilpa Garai

Visiting Professors/Fellows to the Department

Date	Title of the talk	Resource person & affiliation
25.09.2017	Chaos based cryptography and network security	Dr. Santo Banerjee, University Putra Malaysia, Malaysia.
08.12.2017	A new model for the dynamics of cholera	Dr. Ibrahim M. Elmojtaba, Department of Mathematics and Statistics, Sultan Qaboos University, Qman.
08.12.2017	Initial boundary value problem for a fractional differential equation with hyper Bessel operator	Dr. N. Al-Salti, Department of Mathematics and Statistics, Sultan Qaboos University, Qman.
08.12.2017	A fractional differential equation on dengue dynamics: Usefulness and difficulty	Prof. Joydev Chattopadhyay, Indian Statistical Institute, Kolkata.
04.02.2018	On some geometric aspects of linear algebra of Mathematics, Jadavpur University, Kolkata	Prof. Sujit Kumar Sardar, Department
12.02.2018	An introduction to Lie groups	Prof. Pralay Chatterjee, The Institute for Mathematical Sciences, Chennai
23.02.3018	Modelling Electrokinetic Transport Phenomena (Part-I)	Prof. Somnath Bhattacharyya, Department of Mathematics, IIT, Kharagpur

24.02.2018	Modelling Electrokinetic Transport Phenomena (Part-II & III)	Prof. Somnath Bhattacharyya, Department of Mathematics, IIT, Kharagpur
26.2.2018	Real and Complex Analysis Professor), Department of Mathematics, Burdwan University	Prof. K. C. Chattopadhyay (Retired
05.03.2018	Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Department of Mathemat ics, Burdwan University
12.03.2018	Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Department of Mathemat ics, Burdwan University
19.3.2018	Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Department of Mathemat ics, Burdwan University
26.03.2018	UID and the Group D_5	Prof. M. K. Sen (Retired Professor), Department of Mathematics, Calcutta University

Only National and International Conference /Seminar/ Workshop/ Exhibition/ Refresher Course/Orientation Programme etc. attended/participated by Teachers/ Research scholars in details:

Dr. Amar Prasad Misra

Prof. Somnath Bhattacharyya, " Scientific advisory committee member and delivered an invited talk titled "Nonlinear interaction of high-frequency and low-frequency waves in plasmas" in the National conference on Plasma physics and nonlinear dynamics 2017 (23-24 March 2017), JIS University, Agarpara, Kolkata.

Committee member in Collaborative conference on Plasma Physics (CCPP) (4-8 September 2017), Budapest, Hungary.

Participated and delivered an invited talk titled "Nonlinear Landau damping of electrostatic waves in quantum plasmas" in the 1st Asia-Pacific conference on plasma physics (18-23 September 2017), Chengdu, China.

Participated and delivered an invited talk titled "Nonlinear interaction of waves in plasmas-a simulation approach" in the 32nd National Symposium On Plasma Science & Technology (7-10 November 2017), Gandhinagar, India.

Delivered an invited talk titled "Revisiting Mathematics-past, present and future" in memory of Srinivasa Ramanujan (8 March 2018), Mugberia Gangadhar Mahavidyalaya, Mugberia, Purba Medinipur, India.

Delivered a series of lectures on Nonlinear Landau damping and surface waves in plasmas (17 to 22 April 2018), Department of Physics, Guru Nanak Dev University, Amritsar, India.

Ongoing Research Project:

National:

Science and Engineering Research Board (SERB) sponsored project titled "Wavelet based technique for numerical solution of singular integral equation of second kind" (Sanction order No. SERB/F/428/2014-2015 dated 22.04.2014) for a duration of Three years, PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,43,069.

DAE sponsored through BRNS project titled "Wavelet finite element based numerical solution of ground water modelling" (Sanction no. 2013/36/74-BRNS/2117 dated 29 Nov. 2013), Co-PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,67,500.

UGC sponsored major research project titled "Nonlinear waves and instabilities at multiscales in plasmas". PI: Dr. Amar Prasad Misra. Grant Sanctioned: Rs. 7,65,000. Date of implementation: 01.07.2015 (for a period of three years).

Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

Teacher's day was celebrated on 5 September 2018 in the Department of Mathematics organized by the students of the Department of Mathematics.

Dr. Lakshmi Narayan Guin acting as programme coordinator in NSS Siksha Bhavana Unit, Visva Bharati since November 2014.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc):

The Department has been recommended for the Special Assistance Programme (SAP - DRS Phase III) under University Grants Commission during 01.04.2015 to 31.03.2020. Grant Sanctioned Rs. 1,39,50,000.00. Also, the department has been receiving a financial assistance from DAE, Govt. of India through NBHM for the development of Departmental Library.

Publications within the year April 2017- March 2018

i) Research Papers (Author(s), Title of the Paper, Year, Journal, Volume No., Pages): See below

Real Analysis

1. A. Garai and S. Ray, Zahorski and Denjoy properties of symmetric Laplace derivative, Bulletin of the Allahabad Mathematical Society, Vol. 32, Part 2, 2017, 271-286.
2. S. Ray and S. Goldar, Soft set and soft group from classical view point, Journal of the Indian Math. Soc. Vol. 84, Nos. (3-4) (2017), 273-286.
3. S. Goldar and S. Ray, A Study of Soft Topology From Classical View -Point, Proceedings of IMBIC Vol 6 (2017) pp 102-112.
4. A. Garai and S. Ray, The Newton Laplace integral, Bulletin of the Calcutta Mathematical Society Vol-109(2) 2017, pp- 85-92.

Complex Analysis

5. Generalised iteration of entire functions with index-pair $[p,q]$, Dibyendu Banerjee and Biswajit Mandal, Konuralp Journal of Mathematics, Vol-5, No.1(2017),132-144.

6. Relative L-Ritt order of entire Dirichlet series", Dibyendu Banerjee and Simul Sarkar, International Journal of Mathematical Archive, Vol.8, No.7(2017), 42-47 .
7. [3] "Hyper relative order (p, q) of entire functions", Dibyendu Banerjee and Saikat Batabyal, Annals of West University of Timisoara - Mathematics and Computer Science, Vol.LV, No.2 (2017), 65-84.
8. (p, q) th relative Gol'dberg order of entire functions of several variables" Dibyendu Banerjee and Simul Sarkar, International Journal of Mathematical Sciences and Engineering Applications, Vol 11, No.III(2017),185-201.

Computational Mathematics

9. Swaraj Paul, M. M. Panja, B. N. Mandal, Use of Legendre multiwavelets to solve Carleman type singular integral equations, Appl. Math. Modelling. 55 (2018) 522-535.

Fuzzy Mathematics

10. S. Chatterjee, T. Bag and S. K. Samanta, Fuzzy compact linear operator, Advances in Fuzzy Mathematics 12 (2) (2017) 215-228.
11. Moumita Chinea, S. K. Samanta, Multi vector space, Annals of Fuzzy Mathematics and Informatics 13 (5) (2017) 553-562.
12. Moumita Chinea, S. K. Samanta, Embedding lemma in soft topological spaces, The Journal of Fuzzy Mathematics 25 (2) (2017) 343-366.
13. Sougata Mahanta, S. K. Samanta, Compactness in Multiset Topology, International Journal of Mathematics Trends and Technology 47 (4) (2017) 275-282.
14. Ranajoy Roy, Sujoy Das and S. K. Samanta, On Multi Normed Linear Spaces, International Journal of Mathematics Trends and Technology 48 (2) (2017) 111-119.
15. Debjyoti Chatterjee, S. K. Samanta, An Axiomatic Development of Multi-Natural Numbers, International Journal of Mathematics Trends and Technology 48 (2) (2017) 136-146.
16. Moumita Chinea, S. K. Samanta, Intuitionistic fuzzy basis of an intuitionistic fuzzy vector space, Notes on Intuitionistic Fuzzy Sets 23 (4) (2017) 62-74.
17. Moumita Chinea, S. K. Samanta, Soft differentiation in vector soft topology, Annals of Fuzzy Mathematics and Informatics 14 (6) (2017) 527-536.
18. Moumita Chinea, S. K. Samanta, Some properties of soft topological vector spaces, Annals of Fuzzy Mathematics and Informatics 14 (6) (2017) 599-611.
19. Moumita Chinea, S. K. Samanta, Intuitionistic fuzzy dimension of an intuitionistic fuzzy vector space, Notes on Intuitionistic Fuzzy Sets 24 (1) (2018) 21-29.
20. Moumita Chinea, S. K. Samanta, Some results on multi vector space, Annals of Fuzzy Mathematics and Informatics 15 (1) (2018) 1-8.
21. Ramkrishna Thakur, S. K. Samanta, A Study on Some Fundamental Properties of Continuity and Differentiability of Functions of Soft Real Numbers Advances in Fuzzy Systems (2018), Article ID 6429572, 8 pages, <https://doi.org/10.1155/2018/6429572>.
22. P. Tamang, T. Bag, On Fuzzy Normed Linear spaces and λ -fuzzy Cone Bounded Operators, Journal of Fuzzy Mathematics, Vol. 26(1) (2018) 219-230 (ISSN 1066-8950).
23. G. Rano & T. Bag, Fuzzy Quasi Metric Space, Journal of Fuzzy Mathematics, Vol. 26(1) (2018) 231-238 (ISSN 1066-8950).

24. A. Pal & T. Bag, Some Results on Fuzzy Normed Linear Spaces, Journal of Fuzzy Mathematics (Accepted for publication).

Fluid Dynamics, Atmospheric Sciences

25. Dulal Pal and Gopinath Mandal, Nonlinear thermal radiation and chemical reaction effects on the flow and heat transfer of Sisko nanofluid over a non-isothermal stretched wedge, Journal of Nanofluids, Volume 7, Number 1, pp. 175-183, February 2018.
26. Dulal Pal, Netai Roy, Lie group transformation on MHD double-diffusion convection of a Casson nanofluid over a vertical stretching/shrinking surface with thermal radiation and chemical reaction, International Journal of Applied and Computational Mathematics, Vol. 4, Issue 1, Article 13, February 2018 (Springer Journal). DOI: <https://doi.org/10.1007/s40819-017-0449-7>.
27. Dulal Pal and Surya Kanta Mondal, Hydromagnetic bioconvection of nanofluid over an exponentially stretching sheet due to gyrotactic microorganisms with thermal radiation, BioNanoScience (Springer Journal), November 2017. DOI: [10.1007/s12668-017-0474-3](https://doi.org/10.1007/s12668-017-0474-3).
28. Dulal Pal, Hiranmoy Mondal and Sewli Chatterjee, Effects of Soret Dufour on mixed convection in a micropolar fluid over an inclined plate with thermophoresis and chemical reaction, Ain Sham Engineering Journal (Elsevier) <https://doi.org/10.1016/j.asej.2016.10.015>.
29. Dulal Pal, Sukanta Biswas, Magnetohydrodynamic convective-radiative oscillatory flow of a chemically reactive micropolar fluid in a porous medium, Propulsion and Power Research (Elsevier Journal) Accepted 14 Dec 2017.
30. Dulal Pal and Hiranmoy Mondal, Influence of Soret-Dufour and thermophoresis on hydromagnetic mixed convection heat and mass transfer over an inclined flat plate with non-uniform heat source/sink and chemical reaction, Int. J. Comp Method Engg. Sci. Mechanics (Taylor and Francis Journal) Accepted 16 Jan 2018.
31. T. Ray Mahapatra, Bikash Saha and Dulal Pal, Analysis of heatline and massline in magnetohydrodynamic double diffusive natural convection of nanofluid within a trapezoidal enclosure, J. Nanofluids, accepted on 20 March 2018.
32. T. R. Mahapatra, S. Sidui, "Heat transfer in non-axisymmetric Homann stagnation-point flows towards a stretching sheet", European Journal of Mechanics B/Fluids, Vol. 65 (2017) 522-529. Biomechanics, Mathematical Biology
33. N. Ali, B. Mondal, L. N. Guin and S. Chakravarty: Dynamics of species in a two preys - one predator model system with help, International Journal of Mathematics and Computation, Vol. 29, Issue 1, 106 - 121 (2018).
34. N. Ali, M. Haque, E. Venturino and S. Chakravarty: Dynamics of a three species ratio-dependent food chain model with intra-specific competition within the top predator, Computers in Biology and Medicine, 85, 63 - 74 (2017).
35. L. N. Guin, B. Mondal and S. Chakravarty: Stationary patterns induced by self- and cross-diffusion in a Beddington-DeAngelis predator-prey model, Published online in International Journal of Dynamics and Control, Vol. 5, Issue 4, 1051 - 1062 (2017).
36. L N Guin, B Mondal and S. Chakravarty: Spatiotemporal patterns of a pursuit-evasion generalist predator-prey model with prey harvesting, Journal of Applied Nonlinear Dynamics (Accepted on May 23, 2017).

37. Sarifuddin and Mandal, P. K. (2018), " Effect of Interstitial Fluid Flow on Drug-Coated Balloon Delivery in a Patient-Specific Arterial Vessel with Heterogeneous Tissue Composition: A Simulation Study" *Cardiovascular Engineering and Technology*, 2018. doi: 10.1007/s13239-018-0345-2.
38. Saha, R. and Mandal, P. K. (2018) "Modelling time-dependent release kinetics in a stent-based delivery" *Journal of Exploratory Research in Pharmacology* (in press)
39. Mandal, A. P. and Mandal, P.K. (2017) "Computational Modelling of Three-phase Stent-based Delivery", *Journal of Exploratory Research in Pharmacology*, vol. 2, pp. 31-40.
40. Mandal, A. P. and Mandal, P.K. (2017) "Distribution and retention of drug through an idealised atherosclerotic plaque from half-embedded drug-eluting stent", *International Journal of Dynamics and Control*, <https://doi.org/10.1007/s40435-017-0372-0>.
41. Reddy, JVR, Srikanth, D. and Mandal, P. K. (2017) "Computational Hemodynamic Analysis of Flow Through Flexible Permeable Stenotic Tapered Artery", *International Journal of Applied and Computational Mathematics*, <https://doi.org/10.1007/s40819-017-0415-4>.
42. Saha, R. and Mandal, P. K. (2017) "Effect of interstrut distance on the transport of drug and its retention in the arterial tissue", *International Journal of Applied and Computational Mathematics*, Vol. 3, No. 3, pp 2039-2054.
43. L. N. Guin, Hunki Baek; Comparative study between prey-dependent and ratio-dependent predator-prey models relating to patterning phenomenon, *Mathematics and Computers in Simulation (MATCOM)*, Vol 146, pp. 100-117, Elsevier, 2018.
44. Muniyagounder Sambath, Krishnan Balachandran and L. N. Guin; Spatiotemporal patterns in a predator-prey model with cross-diffusion effect, 2018 (Accepted manuscript in *International Journal of Bifurcation and Chaos (IJBC)*, World Scientific)
45. Nijamuddin Ali, Benukar Mondal, L. N. Guin and Santabrata Chakravarty; Dynamics of species in a two preys-one predator model system with help, *International Journal of Mathematics and Computation (IJMC)*, Vol 29, No. 1, pp. 106-121, Ceser Publications, 2018.
46. Stability and Bifurcation Analysis of a Three-Species Food Chain Model with Fear Pijush Panday, Nikhil Pal, Sudip Samanta, and Joydev Chattopadhyay *International Journal of Bifurcation and Chaos*, World Scientific, 28(1) :1850009 (2018) [20 pages].
47. Role of Bi-Directional Migration in Two Similar Types of Ecosystems Nikhil Pal, Sudip Samanta, Maia Martcheva and Joydev Chattopadhyay *Mathematics*, MDPI, 6(3), 36 (2018) [16 pages].
48. Adaptive synchronization of two chaotic ecosystems. Sudip Samanta, Saheb Pal, Mainul Hossain, Nikhil Pal. *Journal of Calcutta Mathematical Society, CMS*, 13(2): 127-142 (2017) [16 pages].
49. Effects of dust ion collisional frequency on transition of dust ion acoustic waves from quasiperiodic motion to limit cycle oscillation in a magnetized dusty plasma. Tushar Kanti Das, Asit Saha, Nikhil Pal, Prasanta Chatterjee. *Physics of Plasmas*, American Institute of Physics, 24:073707 (2017) [5 pages].
50. The Impact of Constant Immigration on a Tri-trophic Food Chain Model. Nikhil Pal, Sudip Samanta, Sourav Rana. *International Journal of Applied and Computational Mathematics*, Springer, 3(4): 3615-3644 (2017) [30 pages].

Plasma Dynamics, Nonlinear Dynamics

51. Face to face interaction of multi-solitons in spin $\frac{1}{2}$ quantum plasma, K Roy, S Choudhury, P. Chatterjee and C S Wong, *Pramana -J. Phys.* 88, 18 (2017).
52. Dynamics of the positron acoustic waves in electron-positron-ion Magnetoplasmas, R Ali, A Saha and P. Chatterjee, *Indian J Phys* ,DOI 10.1007/s12648-017-0957-7(2017).
53. Oblique Interaction of Ion-Acoustic Solitary Waves in epi Plasmas, T K Maji, M K Ghorui, A Saha & P. Chatterjee, *Brazilian Journal of Physics* 3 (47), 295-301 (2017).
54. Propagation and interaction of two soliton in a quantum semiconductor plasma with exchange correlation effects, S Choudhury, T K Das, M K Ghorui and P. Chatterjee, *Physics of Plasmas* 24 (6), 062103 (2017).
55. Nonlinear excitations for the positron acoustic waves in auroral acceleration regions, A Saha, R Ali and P. Chatterjee, *Advances in Space Research* 60 (2017) 1220-1236.
56. Effect of dust ion collisional frequency on transition of dust ion acoustic waves from quasiperiodic motion to limit cycle oscillation in magnetized dusty plasma, T K Das, A Saha, N Pal, P. Chatterjee, *Physics of Plasmas* 24, 073707 (2017).
57. Oblique Interaction of Ion-Acoustic Solitary Waves in e-p-i Plasmas, T K Maji, M K Ghorui, A Saha and P. Chatterjee, *Brazilian Journal of Physics*, 47 (2017) 295-301.
58. Comment on "Solitonic and chaotic behaviors for the nonlinear dust-acoustic waves in a magnetized dusty plasma"[*Physics of Plasmas* 23,052301 (2016)], R Ali, A Saha and P. Chatterjee, *Physics of Plasmas* 24, 094701 (2017).
59. Bifurcation of Travelling waves and Quasiperiodic Behaviors Dust Acoustic Waves in Strongly Coupled Dusty Plasma, T K Das, S Choudhury, P. Chatterjee, *Brazilian Journal of Physics* 38,Ppo-010066-010077(2017).
60. Analytical electron acoustic solitary wave solution for the forced KdV equation in super thermal plasmas, R Ali, A Saha, P. Chatterjee, *Physics of Plasmas* 24, 122106 (2017).
61. The effect of kappa distributed electrons on the dust ion acoustic solitary wave in a collisional dusty plasma, T K Das, S Choudhury, A Saha, P. Chatterjee, *JURNAL FIZIK MALAYSIA*, 38,Ppo- 010016-010025 (2017).
62. Deformed Korteweg-de Vries equation of two solitons in a quantum semiconductor plasma in the presence of the electron-phonon collision frequency and exchange-correlation potential, S. Chowdhury, T. K. Das, S. Choudhury, P. Chatterjee, *EPJ Plus*, 132:473, (2017).
63. Effects of group velocity and multi-plasmon resonances on the modulation of Langmuir waves in a degenerate plasma, A. P. Misra, D. Chatterjee and G. Brodin, *Phys. Rev. E*, 96, 053209 (2017) [12 pages].
64. Audio signal encryption using chaotic Henon map and lifting wavelet transforms, Animesh Roy and A. P. Misra, Submitted to *Euro. Phys. J. Plus*, 132, 524 (2017) [10 pages].
65. Effects of Landau damping on ion-acoustic solitary waves in a semiclassical plasma, A. Barman and A. P. Misra, *Phys. Plasmas*, 24, 052116 (2017) [10 pages].
66. Nonlinear dust-acoustic solitary waves and shocks in dusty plasmas with a pair of trapped ions, N. C. Adhikary, A. P. Misra, M. K. Deka and A. N. Dev. *Phys. Plasmas*, 24, 073703 (2017) [8 pgs].

67. Magnetohydrodynamic shocks in a dissipative quantum plasma with exchange-correlation effects, B. Sahu and A. P. Misra, *Euro. Phys. J. Plus* 132, 316 (2017) [7 pages].
68. Amplitude modulation of three-dimensional low-frequency solitary waves in a magnetized dusty superthermal plasma, Shalini, A. P. Misra, and N. S. Saini, published online, *J. Th. Appl. Phys.* 11, 217-224 (2017).
69. Characteristics of solitary waves in a relativistic degenerate ion beam driven magnetoplasma, M. K. Deka, A. N. Dev, A. P. Misra and N. C. Adhikary, 25, 012102 *Phys. Plasmas* (2018).
70. Surface plasmon oscillations in a semi-bounded semiconductor plasma, M. Shahmansouri and A. P. Misra, *Plasma Sci. and Tech.*, 20, 025001 (2018).

Citation Indices of Teachers (Source: Google Scholar)

Sl. No.	Name	Total Citations (Since 2013)	H-index (Since 2013)	I10-index (Since 2012)	Research Fields
1	Prof. Syamal Kumar Samanta (Retired on 30 Nov 2017)	3599 (2290)	27 (23)	45 (40)	Fuzzy Functional Analysis and Fuzzy Topology; Fixed Point Theory
2	Prof. Dulal Pal	2228 (1845)	29 (28)	57 (50)	Computational Fluid Dynamics, Nanofluids, Porous Medium, Stretching/Shrinking Sheet, Magnetohydrodynamics
3	Prof. Santabrata Chakravarty	1372 (683)	21 (14)	37 (21)	Biomathematics
4	Prof. Prasanta Chatterjee	1797 (1390)	25 (21)	66 (55)	Plasma Dynamics, Nonlinear Dynamics and Chaos
5	Prof. Prashanta Kumar Mandal	1231 (825)	19 (15)	30 (24)	Biofluidynamics, Mathematical Biology, Mass Transport, controlled drug delivery
6	Prof. Tapas Ray Mahapatra	1523 (1094)	17 (16)	27 (24)	Computational Fluid Dynamics
7	Dr. Tarapada Bag	980 (605)	10 (9)	10 (9)	Functional Analysis, Fuzzy Mathematics
8	Dr. Dibyendu Banerjee	181 (142)	7 (7)	7 (5)	Complex Analysis-Growth Properties, Fixed Point Theory
9	Dr. Anjan Kumar Bhuniya	162 (122)	7 (6)	6 (4)	Semigroups and Semirings
10	Dr. Amar Prasad Misra	1497 (871)	24 (17)	50 (34)	Plasma Dynamics, Magnetohydrodynamics, Nonlinear Dynamics
11	Dr. Lakshmi Narayan Guin	93 (93)	5 (5)	4 (4)	Mathematical Ecology and Spatiotemporal pattern formation
12	Dr. Kalyan Hansda	11 (11)	2 (2)	0 (0)	Ordered semigroup, Algebraic coding theory
13	Dr. Nikhil Pal	132 (132)	8 (8)	5 (5)	Mathematical Biology, Nonlinear Dynamics

Designing New Course / Curriculum or any other teaching innovations introduced by the Department:

The Department of Mathematics is in an advanced stage of modifying and upgrading its current syllabi for three-year B.A./B.Sc. (Honours) and two-year M.A./M.Sc. courses. The semester system was introduced in the two-year MA/M Sc course in 2009 and the syllabus was upgraded accordingly.

The department is now seized with the introduction of Choice Based Credit System (CBCS) both at the undergraduate and postgraduate levels. The curriculum was designed by the Board of Studies (BOS) in Mathematics. This CBCS system has been introduced with effect from the academic session 2011-2012.

The three-year 88-credit BA/B Sc (Honours) course consists of six semesters with the students having been offered choices of elective papers at the Semester V and Semester VI.

The two-year 96-credit MA/M Sc course consists of four semesters with the students having been offered two elective papers in pure mathematics as well as in applied mathematics out of several choices from both these branches of mathematics. The student shall have to undertake a compulsory project work in his/her field of specialization.

Last year the department has introduced two new courses as Optional Stream Papers for the Post-Graduate students --- one each for Pure Mathematics (Algebraic Topology) and Applied Mathematics (Weak formulation of Elliptic Partial Differential Equations).

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development:

The Department of Mathematics is the oldest department under Siksha-Bhavana (Institute of Science). It was established in 1961 with the introduction of BA/B Sc (Honours) in Mathematics. Subsequently in 1963, two-year MA/M Sc course in Mathematics was started in the department along with the regular Ph. D. programme.

At the moment, the members of faculty are engaged in the following areas of research:

(a) Real Analysis, (b) Complex Analysis, (c) Functional Analysis, (d) Fuzzy Topology, (e) Fuzzy Functional Analysis, (f) Abstract Algebra, (g) Fluid Mechanics, (h) Computational Fluid Dynamics, (i) Atmospheric Sciences, (j) Biomechanics, (k) Plasma Physics, Nonlinear Dynamics (l) Symmetry and Painleve Analysis of differential equations, (m) Artificial Intelligence, (n) Quantum Scattering Theory, (p) Wavelet based Numerical Analysis.

In recognition of the contributions of the faculty members in their fields of research as evidenced in the number and excellent quality of publications in national and international journals of repute, the University Grants Commission has brought the Department of Mathematics under its Special Assistance Programme (SAP) - DRS (Phase - III). The department proposes to establish a "Centre for Nonlinear Studies" in the development budget during the next Five-Year Plan.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included:

The one semester compulsory Ph. D. course work is in progress for thirteen students of Batch-VIII who have been conditionally registered for pursuing their Ph. D. degree in Mathematics at the Department of Mathematics. Candidates in batch VII have completed their examinations and successfully completed the course.

Results of Batch - VII: A total of 14 candidates cleared all the papers and successfully completed the course. Mr. Saheb Pal secured highest marks.

The following 12 students are in Batch - VIII under the Ph. D. course-work.

1. Sougata Mahanta and Suranjana Deb are working under Dr. Subhasis Ray.
2. Saheb Pal and Mainul Hossain are working under Dr. Nikhil Pal.
3. Prosanjit Das is working under Prof. Prashanta Kumar Mandal.
4. Sagar Mondal is working under Prof. Dulal Pal.
5. Mithun Adhikary and Sumanta Ghosh are working under Dr. Dibyendu Banerjee.
6. Rahul Chandra Saha and Debabrata Singh are working under Dr. M. M. Panja.
7. Anirban Kundu is working under Dr. Tarapada Bag.
8. Laxmikanta Mandi is working under Prof. P. Chatterjee.
9. Injamam-ul Karim is working under Prof. Swapan Raha.

Some other details:

The following students have submitted their theses.

Benukar Mondal (thesis submitted on 22 September 2017), Supervisors: Prof. S. Chakravarty and Dr. L. N. Guin. Title of Thesis: Dynamical complexity in some nonlinear mathematical models of ecological systems.

Netai Roy, Supervisor: Prof. Dulal Pal. Title of the Thesis: Some Aspects of Heat and Mass Transfer of Nanofluids over Stretching and Shrinking Sheets.

Tushar Kanti Das, Supervisor: Prof. Prasanta Chatterjee.

Sourav Choudhury, Supervisor: Prof. Prasanta Chatterjee.

The following students have been awarded the Ph. D. degree of Visva-Bharati, during the period April 2017 to March 2018:

1. Subhankar Ghosh, Supervisor: Dr. Subhasis Ray. Title of the thesis: Some studies on higher order generalized derivatives, symmetric derivatives, divided differences and their interrelations.
2. Akash Pradip Mandal, Supervisor: Prof. Prashanta Kumar Mandal, Title of the thesis: Some studies on luminal flow and drug transport from drug-eluting stents.
3. Ramprosad Saha, Supervisor: Prof. Prashanta Kumar Mandal, Title of the thesis: Some model studies on drug transport associated with drug-eluting stents.
4. Sukanta Biswas, Supervisor: Prof. Dulal Pal. Title of the Thesis: Studies on Unsteady Mixed Convection Heat and Mass Transfer of Newtonian and Non-Newtonian Fluids.

Particulars in details of the Departmental Library

- a) Area in (Sq. meters) quoted for the Library: 69.68 Sq. meters
- b) Is there separate provision for Reading Room? : No.
- c) Total No. of Books: Nil
- d) Total number of books purchased during the year 2017-2018:
Total no. of Books purchased from NBHM Library Grant-- Nil
- e) Total number of Periodicals: Nil
- f) Total number of Periodicals purchased during the year: Nil
- g) Total Number of Readers: All teachers and research scholars of the department.
- h) Total No. of Books and Periodicals issued: Books are regularly issued to teachers and research scholars.
- i) Total Number of Staff-members (category wise): Nil.

DEPARTMENT OF ZOOLOGY

Name of the Department and detailed information

- (i) Name of the Department : Zoology
- (ii) Number of Teachers : 11
- (iii) Number of Non-Teaching Staff : 08
- (iv) Number of P.G. students : 76
- (v) Number of Ph.D. students : 31

Name of the students qualified in UGC-CSIR-NET/SLET and GATE Examinations:

- (i) UGC-CSIR-NET: Rajib Kumar Dey (CSIR); Sinchan Ghosh (CSIR); Akash Acharya (CSIR); Paritosh Mondal (CSIR); Snehasis Nag (UGC); Md. Masud (UGC); Soumojoyoti Ghosh (UGC)
- (ii) GATE: Nilesh Das (AI Rank 10)
- (iii) SLET: Result awaited

Departmental Seminars: (Speaker, Title of the Seminar, Date)

International : 01

- (i) Speaker: Professor Awadhesh Jha, Department of Biological and Marine Sciences, Plymouth University, U.K.

Title of the Seminar: 'Application of biomarkers in environmental risk assessment: linking human and environmental health'

Date: 02.02.2018

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details:

Saumen Kumar Maitra

November 23-25, 2017: Acted as a Key-note Speaker in the Annual Academic Meeting of the National Medicine and Hygiene Periodicals-Academic Editor held at Changsha (Hunan), China.

Santi Prasad Sinha Babu

July 12-13, 2017: Delivered keynote presentation at the 3rd World Conference on Parasitology & Pathogenesis, Chicago, USA., on "A novel ligand of Toll-like receptor 4 from *Wuchereria bancrofti* induces classical macrophage activation.

Post-Doc Students

July 06-07, 2017: Dr. Suprabhat Mukherjee participated and delivered lecture in Immuno-Oncology Summit, Centre de Recherche des Cordeliers (CRC), INSERM, Paris, France.

Ph.D. Students

March 16, 2018: Mr. Nikhilesh Joardar presented poster in the National Conference on "Frontier Areas of Research and Applications Using Electron Microscopy" organized by Visva-Bharati University, Santiniketan, India.

Santanu Ray

September 17-21, 2017: Delivered lecture at the International Society for Ecological Modelling

Global Conference, Jeju, South Korea on "Advantages and disadvantages of network analysis as a tool for ecological studies with some Indian examples".

January 11-13, 2018: Delivered lecture at the 3rd International Conference on Mother Earth (ICME III) organized by the Department of Environmental Sciences, University of Burdwan, Burdwan, West Bengal. on "Journey of static modelling from input output analysis to NTWRK, WAND, ECOPATH and EnaR"

February 01-03, 2018: Delivered lecture at the International Conference celebrating 100 years of Zoology (INTZOOCON 2018), University of Calcutta organized by the Department of Zoology, University of Calcutta at the Ramakrishna Mission Institute of Culture, Golpark, Kolkata on "The Journey of static modelling in systems ecology from input-output analysis to EnaR"

February 01-03, 2018: Delivered lecture at the 5th India Biodiversity Meet 2018, Indian Statistical Institute, Kolkata on "Evolution of static modelling in Systems Ecology perspective"

March 22-24, 2018: Delivered lecture at the Conference on Cross-disciplinary Applications of Complex Networks University of Shiv Nadar, Gautam Buddha Nagar, U.P. on "Static Modelling in Systems Ecology from input-output analysis to EnaR"

Ph.D. Students

February 01-03, 2018: Mr. SagarAdhurya (UGC-JRF), Ms. SwagataSinha (CSIR-JRF), Mr. Suwendu Das (UGC-JRF) participated and delivered lectures in the 5th India Biodiversity Meet 2018 organized by the Indian Statistical Institute, Kolkata.

March 07-13, 2018: Ms. Sangeeta Roy (BSR-SRF), Mr. SagarAdhurya (UGC-JRF), Ms. SwagataSinha (CSIR-JRF) and Mr. Suwendu Das (UGC-JRF) participated in the Workshop on Statistical Methods and R-Programing for Biologists organized by the Indian Statistical Institute, Kolkata.

Ansuman Chattopadhyay

January 29-31, 2018: Delivered an Invited lecture at the 18th All India Congress of Cytology and Genetics and International Symposium on "Translating Genes and Genomes" jointly organized by the CSIR-Indian Institute of Chemical Biology, Kolkata and Archana Sharma Foundation of Calcutta, Kolkata on "Studies on fluoride toxicity in zebrafish and mice".

Larisha M. Lyndem

Ph.D. Students

April 25-27, 2017: Paper presented at the 27th National Conference of Parasitology, NIMHANS, Bengaluru, Suranjana Nandi, Larisha M. Lyndem "Clerodendrum viscosum leaf extracts: Its effect on the structure of the tegumental enzymes of flatworms".

April 25-27, 2017: Paper presented at the 27th National Conference of Parasitology, NIMHANS, Bengaluru, Saptarshi Roy, Larisha M. Lyndem. "Senna plants leaf extracts induced alteration in redox status and cellular structure of Hymenolepis diminuta, leads to death of the parasite".

April 25-27, 2017: Paper presented at the 27th National Conference of Parasitology, NIMHANS, Bengaluru, Bidisha Ukil, Larisha M. Lyndem. "Senna plant: Its effects on the neuroanatomy and mitochondria of the cestode parasite Hymenolepis diminuta".

Sudipta Maitra

November 29-December 01, 2017:Delivered an Invited Lecture at the International Symposium on Recent Advances in Comparative Endocrinology (ISRACE)organized by Madras Christian College, Chennai, India on "Complex dialogue between endocrine and juxtacrine (autocrine/paracrine) factors in teleost ovary"

February 08-10, 2018: Delivered an Invited Lecture at the 6th International Conference on Molecular Signaling (ICMS 2018), University of Hyderabad, Hyderabad, Telangana, India on "Functional relevance of nitric oxide (NO)/cGMPsignaling in teleost ovary".

Ph.D. Students

November 29-December 01, 2017:Mr. Soumojit Pal (UGC-SRF) delivered at the International Symposium on Recent Advances in Comparative Endocrinology (ISRACE)organized by Madras Christian College, Chennai, India oral presentation on "Endocrine regulation of inflammatory response: crosstalk between insulin/IR and TLR4 mediated signaling events in murine macrophages" and awarded the 3rd best presentation.

November 29-December 01, 2017:Ms. PoulomiNath (UGC-BSR SRF) deliveredat the International Symposium on Recent Advances in Comparative Endocrinology (ISRACE)organized by Madras Christian College, Chennai, India oral presentation on "Differential expression of NOS isoforms and NO/cGMPregulation of gonadotropin (hCG) action in zebrafish (Daniorerio) ovary" and awarded the Best Oral Presentation with Dr. ShamimHaider Gold Medal

November 29-December 01, 2017:Ms. Urmi Mukherjee (UGC Non-NET Fellow) presented at the International Symposium on Recent Advances in Comparative Endocrinology (ISRACE)organized by Madras Christian College, Chennai, India, a poster entitled "Bisphenol A induces hepatotoxicity through oxidative stress and modules hematological, biochemical and histopathological response in Indian carp Labeobata (Hamilton, 1822)".

November 29-December 01, 2017:Ms. SubhasriBiswas (DST-INSPIRE Fellow) presented at the International Symposium on Recent Advances in Comparative Endocrinology (ISRACE)organized by Madras Christian College, Chennai, India, a poster entitled "Aromatase inhibitor DL-Aminoglutethimide prevents igf3 expression in gonadotropin (hCG)-induced zebrafish follicle-enclosed oocytes in vitro potentially through down-regulation of lhcg expression" and awarded the Best Poster Presentation with Dr. Radhakrishnamurthy Memorial Gold Medal.

March 20-21, 2018:Ms. SubhasriBiswas (DST-INSPIRE Fellow) participated in the Workshop on Next Generation Sequencing & Big Data Analysis organized by CSIR-Indian Institute of Chemical Biology, Kolkata, India.

Surjya Kumar Saikia

February 08-10, 2018: Delivered at the 6th International Conference on Molecular Signaling (ICMS 2018), University of Hyderabad, Hyderabad, Telangana, India, lecture entitled 'I know where to go- a tale of a migratory fish in India', (co-authored by C. Malick, S. Chatterjee, S. Bhattacharya and R. Kundu).

Rakesh Kundu

February 08-10, 2018: Delivered at the 6th International Conference on Molecular Signaling (ICMS 2018) organized jointly by the University of Hyderabad and the National Institute of Animal

Biotechnology, Hyderabad, Telangana, India a lecture entitled 'Fetuin-A: A novel link in the lipid induced islet inflammation and β -cell apoptosis', (co-authored by AlpanaMukhuty and ChandraniFouzder).

Ph.D. Students

February 08-10, 2018:Ms.ChandraniFouzder presented at the 6th International Conference on Molecular Signaling (ICMS 2018) organized jointly by the University of Hyderabad and the National Institute of Animal Biotechnology, Hyderabad, Telangana, India, a poster entitled 'Trigonelline: a potential Nrf2 inhibitor in Non Small Cell Lung cancer', (co-authored by AlpanaMukhuty and RakeshKundu).

February 08-10, 2018:Ms.AlpanaMukhuty presented at the 6th International Conference on Molecular Signaling (ICMS 2018) organized jointly by the University of Hyderabad and the National Institute of Animal Biotechnology, Hyderabad, Telangana, India, a poster entitled'Lipid mediated Fetuin-A expression in pancreatic β -cells leads to their dysfunction and inflammation induced death', (co-authored by ChandraniFouzder, Sandip Mukherjee, Samir Bhattacharya and RakeshKundu).

Sutapa Mukherjee

February 01-03, 2018: Presented at the International Conference to Celebrate 100 Years INTZOOCON 2018 organized by the Department of Zoology, University of Calcutta at the Ramakrishna Mission Institute of Culture, Golpark, Kolkata, India, a paper entitled 'High fat diet mediated insulin resistance and type 2 diabetes induces reproductive impairment in male mice', (co-authored by SongitaGhosh).

February 08-10, 2018: Delivered lecture at the 6th International Conference on Molecular Signaling (ICMS 2018) organized jointly by the University of Hyderabad and the National Institute of Animal Biotechnology, Hyderabad, Telangana, India, entitled 'High fat diet feeding induced sperm defects and reproductive impairment in male mice', (co-authored by SongitaGhosh).

Ph.D. Students

December 28-31, 2017:Ms.SongitaGhosh (NF-UGC-JRF) presented at the 11th Global Healthcare Summit-2017 organized by the American Association of Physicians of Indian Origin (AAPI) at the J.W. Marriott, Kolkata, India, a poster entitled 'High fat diet induced oxidative stress and DNA damage in mice adipocytes', (co-authored by DipanjanChattopadhyay, Snehasish Das and Sutapa Mukherjee).

February 01-03, 2018:Ms.SongitaGhosh (NF-UGC-JRF) presented Mukherjee at the International Conference to Celebrate 100 Years INTZOOCON 2018 organized by the Department of Zoology, University of Calcutta at the Ramakrishna Mission Institute of Culture, Golpark, Kolkata, India, a poster entitled 'High fat diet feeding induced severe sperm defects in male mice', (co-authored bySutapaMukherjee).

February 08-10, 2018:Mr.Snehasish Das (UGC-NET-JRF) and Mr.DipanjanChattopadhyay (DST Project Fellow) presented at the 6th International Conference on Molecular Signaling (ICMS 2018) organized jointly by the University of Hyderabad and the National Institute of Animal Biotechnology, Hyderabad, Telangana, India, a poster entitled 'Fetuin-A induced defects in SIRT1 and AMPK produce insulin resistance', (co-authored by ShuvasreeSarkar, Subhendu Kumar Chatterjee, Sutapa

Mukherjee and Samir Bhattacharya

March 16, 2018: Ms. Songita Ghosh (NF-UGC-JRF), Ms. Shirsha Mondal (UGC-JRF), Mr. Dipanjan Chattopadhyay (DST Project Fellow) and Mr. Snehasis Das (UGC-JRF) participated in the National Conference on Frontier Areas of Research and Applications Using Electron Microscopy sponsored by DST-PURSE Program organized by Siksha Bhavana and Palli-Siksha Bhavana, Visva-Bharati, Santiniketan.

Ongoing Research Projects in the Department:

- i. Name of the Teacher: Santi P. Sinha Babu (PI)
- ii. Name of the Project: 'A putative ligand of toll-like receptor 4 on filarial nematode: relevance to host-pathogen interactions'.
- iii. Sponsoring Agencies: DST, Govt. of India (SR/SO/AS-006/2014)
- iv. Amount Sanctioned: Rupees 34,19,600/-
- i. Name of the Teacher: Santanu Ray (PI)
- ii. Name of the Project: 'Shallow water Benthic Communities & Food-web Dynamics: A case for Kakinada Bay and Coastal Andhra Pradesh' - in Collaboration with IISER, Kolkata and Andhra University
- iii. Sponsoring Agencies: Ministry of Earth Sciences (MoES), Govt. of India (MoES/36/00IS Extra/11/2012 DT 31.7.15)
- iv. Amount Sanctioned: Rupees 1,00,68,880/- approx. VB component Rupees 14,01,000/-
- i. Name of the Teacher: Ansuman Chattopadhyay (PI)
- ii. Name of the Project: 'Studies on anti-cancer properties of graphine oxide based gold nanoparticles and modulation of trace elements in normal and cancer cells'
- iii. Sponsoring Agencies: UGC-DAE Consortium for Scientific Research (UGC-DAE-CSR-KC/CRS/15/IOP/03/0639/0654)
- iv. Amount Sanctioned: Rupees 8,00,000/-
- i. Name of the Teacher: Sudipta Maitra (PI); Samir Bhattacharya (Co-PI); Surjya Kumar Saikia (Co-PI) in collaboration with Tezpur University, Assam
- ii. Name of the Project: 'Elucidating the mechanism and assessing amelioration potential of Ocimum and Lucas in stress-induced impaired energy homeostasis on growth and reproduction in Zebrafish'
- iii. Sponsoring Agencies: National Agriculture Research Fund, New Delhi (NASF/ABA-6018 2016-17)
- iv. Amount Sanctioned: Total Rupees 1,79,31,050 (Visva-Bharati Rupees 1,32,73,820/-)
- i. Name of the Teacher: Surjya Kumar Saikia (PI)
- ii. Name of the Project: 'Evaluation of natural feed selectivity and trophic status of rohu (Labeo rohita H) for periphyton based aquaculture system'
- iii. Sponsoring Agencies: UGC, New Delhi
- iv. Amount Sanctioned: Rupees 5,36,000/-
- i. Name of the Teacher: Samir Bhattacharya (CC-PI); Surjya Kumar Saikia (CI); Rakesh Kundu (CI)

- ii. Name of the Project: 'Stock characterization, captive breeding, seed production and culture of Hilsa (Tenulosailisha)'
- iii. Sponsoring Agencies: ICAR, Govt. of India (NFBSFARA/3021/2012-13) Collaborative Research Project
- iv. Amount Sanctioned: Rupees 159,74,780/-
- i. Name of the Teacher: Surjya Kumar Saikia(PI); Samir Bhattacharya (Co-PI)
- ii. Name of the Project: 'To investigate whether regulation of muscle mitochondria function is associated with the growth in cultivable fish'
- iii. Sponsoring Agencies: Department of Biotechnology (DBT), New Delhi
- iv. Amount Sanctioned: Rupees 47,30,600/-
- i. Name of the Teacher: RakeshKundu(PI)
- ii. Name of the Project: 'To investigate the role of fetuin-A in lipotoxicity induced beta-cell dysfunction and inflammatory injury to the pancreatic islets'
- iii. Sponsoring Agencies: DST-SERB, Govt. of India
- iv. Amount Sanctioned: Rupees 38,29,600/-
- i. Name of the Teacher: Sutapa Mukherjee (PI); Samir Bhattacharya (Co-PI); Rakesh Kundu (Co-PI)
- ii. Name of the Project: 'To investigate whether lipid induced fetuin-A from adipocytes could link insulin resistance and immunity'.
- iii. Sponsoring Agencies: DST, Govt. of India
- iv. Amount Sanctioned: Rupees 32,34,000/-

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

The Teachers, Non-teaching staff, Research scholars and the students actively participated in celebrating the 'Gandhi Punyaha' in true spirit in the Department on March 10, 2018.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):

A. Academic distinction achieved by the Department

Recognized by the UGC, Govt. of India as Centre for Advanced Studies (CAS Department) since April 2007. The 1st CAS was successfully accomplished during April 2007- March, 2012, followed by the 2nd CAS from April 2012-March 2017. The Department is preparing application for the 3rd Phase of CAS. The Department is supported by DST-FIST Level II.

B. Academic distinction achieved by the Teachers

Saumen Kumar Maitra

Associate Editor of the journal *Frontiers in Experimental Endocrinology* (USA);

Member of the Editorial Advisory Board of the *Journal of Zoo Biology* (ESci Journals Publishing, Pakistan);

Member of the Editorial Board of *Biological Rhythm Research* (Taylor & Francis, UK, USA);

Immunology, Endocrine & Metabolic Agents in Medicinal Chemistry (Bentham Science Publisher, USA); JOJ Nursing & Health Care (Juniper Publishers Inc., USA); Journal of Etiology and Animal Health (Cresco Publishing, USA); Annals of Clinical Toxicology (Remedy Publications LLC, USA); National Science Academy Letters India (Springer India); Proceedings National Academy of Sciences, India Section: B, Biological Sciences (Springer India).

Expert Reviewer of the following international journals: Annals of Aquaculture and Research; Archives of Polish Fisheries; Applied Ichthyology; Comparative Biochemistry and Physiology Part A; DNA and Cell Biology; Ecotoxicology and Environmental Safety; Environmental Science and Pollution Research; Fish Physiology and Biochemistry; Frontiers in Endocrinology; General and Comparative Endocrinology; Neurochemistry International; Hormones and Behaviour; Therapeutic Advances in Endocrinology and Metabolism.

Santi Prasad Sinha Babu

Expert Reviewer of the following international journals: Food and Chemical Toxicology (Elsevier), Journal of Parasitic Diseases (Springer Nature), Phytotherapy Research (Elsevier), Journal of Bioenergetics and Biomembranes (Elsevier), Parasitology (Cambridge University Press), Journal of Hazardous Materials (Elsevier), Pathogens and Diseases (Oxford Academic).

Santanu Ray

Member, International Advisory Board of ISEM Global Conference held on Jeju, South Korea and invited to deliver lecture as invited speaker for the special session commemorating the late Prof. Sven Erik Jørgensen, the founder of the International Society for Ecological Modelling (ISEM), with the title "Advantages and disadvantages of network analysis as a tool for ecological studies with some Indian examples".

Member, International Advisory Board of the International Conference on Ecological Informatics scheduled to be held in Jena, Germany.

Associate Editor of the journal - Ecological Modelling - An International Journal on Ecological Modelling and System Ecology published by ELSEVIER, Netherlands (from January 2009 till date (<http://www.journals.elsevier.com/ecological-modelling/editorial-board/>);

Associate Editor of the journal Energy Ecology and Environment - published by SPRINGER (from November, 2015 to continue) (<http://www.springer.com/energy/journal/40974?detailsPage=editorialBoard>).

Section Editor of the section Ecosystem and System Ecology of Encyclopedia of Ecology 2nd Edition - will be published by ELSEVIER.

Member of the Editorial Board of the following International Journals: Ecological Informatics - published by ELSEVIER, Netherlands (First and only member from India from November, 2011 to continue) (<http://www.journals.elsevier.com/ecological-informatics/editorial-board/>); Network Biology - published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/nb/editorial.asp>); Computational Ecology and Software published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/ces/editorial.asp>); Journal of Ecosystem published by Hindawi Publication, USA (<http://www.hindawi.com/journals/jes/editors/>); Chinese Journal of Population Resources and

Environment - Taylor & Francis (<http://www.tandfonline.com/tpre>).

Secretary, Asia - Pacific Chapter, International Society of Ecological Modelling(ISEM), Head Office, Maryland, USA, 2012 - continue (www.isemna.org);

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; Environmental Modelling and Software - ELSEVIER, USA; Heylion, ELSEVIER; Ecological Engineering, ELSEVIER; 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; Climate Change- Springer; Ecological Informatics - ELSEVIER; Applied Mathematical Modelling- ELSEVIER; Plos One; Proceedings of the National Academy of Sciences, India.

Ansuman Chattopadhyay

Reviewer of the following journals: Chemosphere (Elsevier); Biological Trace Element Research (Elsevier); Journal of Applied Oral Science (Portugal); Journal of Clinical and Diagnostic Research (India); Fluoride (International Society for Fluoride Research, Newzealand); Proceedings of the National Academy of Sciences, India.

Dipak Kumar Mandal

Reviewer of the following journals: Ecotoxicology and Environmental Safety, Elsevier; Environmental Biology, Elsevier.

Larisha M. Lyndem

Reviewer of the following journals: Journal of Parasitic Diseases; Journal of Helminthology; Evidenced Based Complimentary and Alternative Medicine; Natural Products and Research; Cogent Biology.

Surjya Kumar Saikia

Reviewer of the following journals: Journal of Fish Biology; Cell and Tissue; Ecology of Freshwater Fish; PLoS ONE.

Rakesh Kundu

Awarded Early Career Research Award, SERB, Govt. of India, 2017

Granted patent on Synergistic pharmaceutical composition useful for the treatment of lung cancer; US Patent 9,622,987, 2017

Reviewer of projects from DST-SERB, Govt. of India.

Reviewer of the following journals: PLoS ONE; Cancer Biotherapy and Radiopharmaceuticals; Oncology Letters; Oncology Reports; Molecular Medicine Reports; International Journal of Molecular Medicine; PNAS India.

Member of Endocrine Society (ENDO), USA;

Member of Indian Science Congress Association, Kolkata, India (ISCA); Society of Biological

Chemists, Bangalore, India (SBC); Society for Reproductive Biology and Comparative Endocrinology, India (SRBCE).

During this period, the following scholars delivered their Pre-Ph.D. Seminars:

Sl. No.	Date	Name	Topic
(i)	11.04.2017	PradipMondal	Efficacy of melatonin in reducing the oxidative stress during the process of development and maturation of oocyte in carp Catlacatla
(ii)	24.07.2017	Arnab Banerjee	Variations in certain physiochemical factors and plankton dynamics of a reservoir: A modelling approach
(iii)	24.08.2017	PrajnaParamita Banerjee	Anti-cancer effect of silver and gold nanoparticles in breast cancer cell lines
(iv)	24.03.2018	ChandanMalick	Studies on chemoreception in Tenualosailisha Hamilton 1822
(v)	24.03.2018	Subhendu Kumar Chatterjee	Ectopic chemosensory features of hilsa (Tenualosailisha) and its functional relationship to upstream migration
(vi)	24.03.2018	Md. Shabbir	Genotoxicity evaluation and bioremediation of Chloropyrifos pesticide

Dr. SubhasishGhosh was awarded Ph.D. degree on the topic "Nutritional evaluation of Oxyahylahyla (Surville) meal in the compounded diet of a carp, Labeorohita (Hamilton)."

Dr. Kousik Roy was awarded Ph.D. degree on the topic "Effects of nonylphenolethoxylate on the gonadal maturation of Labeobata (Hamilton)."

Dr. SudipHajra who has worked under the research supervision of Dr. SudiptaMaitra, has been awarded Ph.D. degree on 18-07-2017.

Dr. PrithaGhosh who has worked under the research supervision of Dr. SudiptaMaitra, has been awarded Ph.D. degree on 24.02.2018

Mr. AkashAcharya, who has joined lab as SRF in ICAR-sponsored project (NASF/ABA-6018/2016-17), has qualified CSIR-UGC NET during the year. He has been awarded provisional offer letter for INSPIRE Fellowship sponsored by Department of Science and Technology (DST), New Delhi, India.

Publications within the year April 2017-March 2018

(i) Text books: 01

SK Saikia(2017) Student's Book on Organic Evolution, Systematics and Taxonomy, Dream House Publication, Odisha, India.

(ii) Other books and Book Chapters:

Book Chapters: 07

- 1) Maitra SK, Pal PK (2017) Structural Diversity and Functional Integrity of the Fish Pineal Gland. In: 'Pineal Gland: Research Advances and Clinical Challenges' (Ed. A. Catalá), Nova Science Publishers, Inc. New York, USA, pp. 51-92.
- 2) Victor H. Rivera-Monroy, Michael J. Osland, John W. Day, Santanu Ray, Andre Rovai, Richard H. Day, and Joyita Mukherjee (2017) Chapter 11, In: 'Mangrove Ecosystems: A Global Biogeographic Perspective Structure, Function and Services', Springer Nature pp. 347 -381.
- 3) Md. Shabbir, Samar Kumar Saha and Mukesh Singh (2017) Toxicological Study of Organophosphorus Pesticide and Proposed Detoxification Methodology. Chapter 9 In: 'Sustaining Future Food Security in Changing Environment' (Ed. Divya Pandey and Abhijit Sarkar), Nova Science Publishers, Inc., New York. USA, pp. 211-220.
- 4) Mukherjee S, Maitra SK (2018) Gut Melatonin in Vertebrates: Chronobiology and Physiology. In: 'Trends in Comparative Endocrinology and Neurobiology' (Eds. Hubert Vaudry, Olivier Kah). Frontiers Research Topic E-book. Frontiers Media SA ISBN: 9782889453993, pp. 143-147.
- 5) Joyita Mukherjee, and Santanu Ray (2018) Biogeochemical Models. <https://doi.org/10.1016/B978-0-12-409548-9.11180-7>, In: 'Encyclopedia of Ecology', 2nd edition, Elsevier.
- 6) Arnab Banerjee, Nabyendu Rakshit, and Santanu Ray (2018) Structural Dynamic Models. <https://doi.org/10.1016/B978-0-12-409548-9.11202-3>, In: 'Encyclopedia of Ecology', 2nd edition, Elsevier.
- 7) Arnab Banerjee and Santanu Ray (2018) Spatial models and GIS. In: 'Encyclopedia of Ecology', 2nd edition, Elsevier. (in press).

Newsletter: 01

Pal S and Maitra S (2017) Insulin alleviate LPS-induced innate immune sensing and inflammatory response in murine macrophage. Indian Society for Comparative Endocrinology Yearly Newsletter, pp. 8-9.

(iii) Research Papers (Authors, title of the papers, publication year, journal, volume no., pages)

- 1) Maitra SK and Pal PK (2017) Melatonin rhythms in the pineal and non-pineal tissues and their physiological implications in sub-tropical fish. *Biological Rhythm Research* 48:757-776.
- 2) Maitra SK and Hasan KN (2017) Melatonin in the care and control of human health. *JOJ Nurse Health Care* 4:555643.
- 3) Mukherjee S and Maitra SK (2017) Daily profiles of serum and gastrointestinal melatonin in response to day-time or night-time supply of tryptophan-rich diet in carp (Catlacatla). *Biological Rhythm Research*, 49:315-327.
- 4) Mondal P, Hasan KN, Pal PK and Maitra SK (2017). Influences of exogenous melatonin on the oocyte growth and oxidative status of ovary during different reproductive phases of an

- annual cycle in carp *Catlacatla*. *Theriogenology* 87:349-359.
- 5) Pal PK and Maitra SK (2018) Response of gastrointestinal melatonin, antioxidants, and digestive enzymes to altered feeding conditions in carp (*Catlacatla*). *Fish Physiology and Biochemistry* Mar 23. doi: 10.1007/s10695-018-0494-0. [Epub ahead of print].
 - 6) Guchait A, Joardar N, Parida PK, Roy P, Mukherjee N, Dutta A, SinhaBabu SP, Jana K, Misra AK (2017) Development of novel anti-filarial agents using carbamo(dithioperoxo)thioate derivatives. *European Journal of Medicinal Chemistry* 143:598-610.
 - 7) Joardar N, Mukherjee S and SinhaBabu SP (2017) Thioredoxin reductase from the bovine filarial parasite *Setariacervi*: Studies on its localization and optimization of the extraction. *International Journal of Biological Macromolecules* 107:2375-2384.
 - 8) Mondal MK, Mukherjee S, Saha SK, Chowdhury P, SinhaBabu SP (2017) Design and synthesis of reduced graphene oxide based supramolecular scaffold: A benign microbial resistant network for enzyme immobilization and cell growth. *Materials Science and Engineering C* 75:1168-1177.
 - 9) Saha SK, Roy P, Mondal MK, Roy D, Gayen P, Chowdhury P, SinhaBabu SP (2017) Development of chitosan based gold nanomaterial as an efficient antifilarial agent: A mechanistic approach. *Carbohydrate Polymer* 157:1666-1676.
 - 10) Dey B, Mukherjee S, Mukherjee N, Mondal RK, Satpati B, SinhaBabu SP (2018) Polyphenol oxidase-based luminescent enzyme hydrogel: an efficient redox active immobilized scaffold. *Bulletin of Materials Science* 41:1-14.
 - 11) Roy P, Saha SK, Gayen P, Chowdhury P and SinhaBabu SP (2018) Exploration of antifilarial activity of gold nanoparticle against human and bovine filarial parasites: A nanomedicinal mechanistic approach. *Colloids and Surfaces B: Biointerfaces* 161:236-243.
 - 12) Joyita Mukherjee, Mahammed Moniruzzaman, Suman Bhusan Chakraborty, Sovan Lek and Santanu Ray (2017) Towards a physiological response of fishes under variable environmental conditions: an approach through neural network. *Ecological Indicator* 78:381-394.
 - 13) Banerjee A, Chakrabarty M, Rakshit N, Mukherjee J and Ray S (2017) Indicators and assessment of ecosystem health of Bakreswar reservoir, India: An approach through network analysis. *Ecological Indicator* 80:163-173.
 - 14) Moitreyee Chakrabarty, Arnab Banerjee, Joyita Mukherjee, Nabyendu Rakshit and Santanu Ray (2017) Spatial pattern analysis of zooplankton community of Bakreswar reservoir, India. *Energy Ecology and Environment* DOI 10.1007/s40974-017-0057-8.
 - 15) Arnab Banerjee, Ursula M. Scharler, Brian D. Fath and Santanu Ray (2017) Determination and importance of keystone species in an ecosystem through a mass balanced network approach. *Ecological Modelling* 363:207-220.
 - 16) Nabyendu Rakshit, Arnab Banerjee, Joyita Mukherjee and Santanu Ray (2017) Comparative study of food webs from two different time periods of Hooghly Matla estuarine system, India through network analysis. *Ecological Modelling* 356:25-37.
 - 17) Fahad Al Basir, Priti Kumar Roy and Santanu Ray (2017) A fractional order mathematical model for enzymatic biodiesel synthesis and its optimization, *International Journal of Mathematical Models and Methods in Applied Sciences* 11:170-177.

- 18) David E. Hines, and Stuart R. Borrett and Santanu Ray (2018) Uncertainty analyses for Ecological Network Analysis enables stronger inferences. *Environmental Modelling and Software* 101:117-128.
- 19) Fahad Al Basir, Santanu Ray and EzioVenturino (2018) Role of media coverage and delay in controlling infectious diseases- A mathematical model. *Applied Mathematics and Computation* (in press).
- 20) Fahad Al Basir, Santanu Ray and EzioVenturino (2018) Impact of farming awareness and delay on the dynamics of mosaic disease in *Jatropha curcas* plantations. *Computational and Applied Mathematics* (in press).
- 21) Bandyopadhyay A, Banerjee PP, Shaw P, Mondal MK, Das VK, Chowdhury P and Chattopadhyay A (2017) Cytotoxic and mutagenic effects of *Thuja occidentalis* mediated silver nanoparticles on human peripheral blood lymphocytes. *Materials Focus* 6:290-296.
- 22) Banerjee PP, Bandyopadhyay A, Harsha SN, Policegoudra RS, Bhattacharya S, Karak N and Chattopadhyay A (2017) *Mentha arvensis* (Linn.)-mediated green silver nanoparticles trigger caspase 9-dependent cell death in MCF7 and MDA-MB-231 cells. *Breast Cancer: Targets and Therapy* 9:265.
- 23) Garai S, Ghosh R, Bandyopadhyay PP, Mandal NC and Chattopadhyay A (2018) Anti-microbial and anti-cancer properties of echinocystic acid extracted from *Luffa cylindrica*. *Journal of Food Processing and Technology* 9:717.
- 24) Samajdar I and Mandal DK (2017) Histology and surface ultra-structure of the gill of a minor carp, *Labeo bata* (Hamilton). *Journal of Scientific Research* 9:201-208.
- 25) Shagufta Naaz, Soumabrota Poddar, Shyama Prasad Bayen, Maloy Kr. Mondal, Debiprasad Roy, Sudip Kr. Mondal, Pranesh Chowdhury and Samar Kumar Saha (2017) Tenfold enhancement of fluorescence quantum yield of water soluble silver nanoclusters for nanomolar level glucose sensing and precise determination of blood glucose level. *Sensors and Actuators B: Chemical* 255:332-340.
- 26) Bidisha Ukil, Saptarshi Roy, Suranjana Nandi and Larisha M. Lyndem (2018) *Senna* plant induces disruption on the mitochondria of *Hymenolepis diminuta*. *International Journal of Pharmacy and Pharmaceutical Sciences* doi.10.1005/s00136-01-2456-2.
- 27) Biswas S and Maitra S (2017) Let's talk and grow together: A bidirectional communication between granulosa- and oocyte-derived factors in the ovary. *Global Journal of Reproductive Medicine* 1:555-569.
- 28) Das D, Nath P, Pal S, Hajra S, Ghosh P and Maitra S (2018) Relative importance of phosphatidylinositol-3 kinase (PI3K)/Akt and mitogen-activated protein kinase (MAPK3/1) signaling during maturational steroid-induced meiotic G2-M1 transition in zebrafish oocytes. *Zygote* 26:62-75.
- 29) Nath P, Das D, Pal S and Maitra S (2018) Nitric oxide (NO) inhibition of meiotic G2-M1 transition in *Anabas testudineus* oocytes: Participation of cAMP-dependent protein kinase (PKA) in regulation of intra-oocyte signaling events. *Molecular and Cellular Endocrinology* 460:162-169.
- 30) A Mukhuty, CFouzder, S Mukherjee, C Malick, S Mukhopadhyay, S Bhattacharya and R Kundu

- (2017) Palmitate induced fetuin-A secretion from pancreatic β -cells adversely affects its function and elicits inflammation. *Biochemical and Biophysical Research Communications* 491:1118-1124.
- 31) S Das, Md N Alam, S Batuta, G Ahamed, C Fouzder, R Kundu, DMandal and NA Begum (2017) Exploring the efficacy of Basella alba mucilage towards the encapsulation of the hydrophobic antioxidants for their better performance. *Process Biochemistry* 61C:178-188.
 - 32) S Das, S Batuta, Md NAlam, CFouzder, R Kundu, D Mandal and NABegum (2017) Antioxidant flavone analog functionalized fluorescent silica nanoparticles: Synthesis and exploration of their possible use as biomolecule sensor. *Colloids and Surfaces B* 157: 286-296.
 - 33) C Malick, S Chatterjee, S Bhattacharya, VR Suresh, R Kundu and SK Saikia (2018) Evidence of putative sensory receptors from snout and tongue in an upstream amphihaline migratory fish hilsa *Tenulosailisha*. *Ichthyological Research* 65:42-55.
 - 34) Subhendu Kumar Chatterjee, ChandanMalick, Samir Bhattacharya, RakeshKundu, VettahRaghavan Suresh and Surjya Kumar Saikia (2018) 'Sensory pad'- A novel chemoreceptive device in hilsa (*Tenulosailisha*) to support its amphihaline attribute. *ActaBiologicaSzegediensis* (Accepted).
 - 35) M Chattopadhyay, S Mukherjee, SK Chatterjee, D Chattopadhyay, S Das, SS Majumdar, S Mukhopadhyay, Sutapa Mukherjee and Samir Bhattacharya (2018) Impairment of energy sensors, SIRT1 and AMPK, in lipid induced inflamed adipocyte is regulated by fetuin-A. *Cellular Signalling* 42:67-76.
 - 36) SongitaGhosh and Sutapa Mukherjee (2018) Testicular germ cell apoptosis and sperm defects in mice upon long-term high fat diet feeding. *Journal of Cellular Physiology*, DOI: 10.1002/jcp.26581.

(iv) Number of papers published in peer-reviewed journals: National/ International

National: 00

International: 36

Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

Choice-based credit system for B.Sc. and M.Sc. and compulsory course work for Ph.D. has been introduced. The new UGC approved syllabus for B.Sc. has been adopted in both for Honours and Generic courses.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

About the department

The Department of Zoology, one of the pioneer departments under Siksha-Bhavana (Institute of Science) has a proud history of dedicated academic service for more than 48 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 ongoing 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 whole world meets in single nest. This Department has well developed infrastructure and sophisticated equipments for undertaking in-depth research in any branch of Integrative Biology. The excellent performances and success of the department in teaching, research is reflected by the placements of our students both in India and abroad. The Department has been recognized by UGC for providing special assistance under SAP in 1994 and thereafter received grants like COSIST from UGC and FIST from DST. Because of the continued quality of teaching and research, UGC has recognized the Department as Center of Advanced Study (CAS) in Zoology. The 1st CAS was successfully accomplished during April 2007-March 2012. The 2nd CAS was initiated from April 01, 2012 and continued till March 31, 2017. The Department is supported by DST-FIST (Level-II) during this period.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

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. 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 equipments. 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 work of our dedicated teachers.

DEPARTMENT OF BOTANY

Name of the Students qualified in UGC/CSIR/NET/SLET

1. AnindyaSundar Roy (NET-LS)
2. Ankita Roy Chowdhury (NET-LS)
3. KaziTawsif Ahmed (NET-LS)
4. SoumiGhosh (NET-LS)
5. SuchetaMondal (NET-LS)

Name of the Students qualified in GATE

1. Ankita Roy Chowdhury
2. ArkaBandyopadhyay
3. Debjyoti Mukherjee
2. Jagannathsarkar
3. Lobelia Ghosh
4. ParnaGanguly
5. PushpenduJalani
6. Sharadindu Adak
7. Sk. EashayanTanbir
8. SubhayanChattopadhyay

Name of the Student Awarded INSPIRE fellowship of DST Govt. of India

1. Subarna Saha

Departmental Seminar (Speakers, Title of the Seminar, Date)

National Seminar cum East Zone Meet of Indian Society of Mycology and Plant Pathology on "Impact of Changing Environment on Plants, Microbes and Their Interactions" at Department of Botany, Visva-Bharati during 13.09.2017 - 14.09.2017.

Prof. Gabor Galiba, Plant Molecular Biology Department, Centre for Agricultural Research, MTA 2462 Martonvásár, Hungary delivered a lecture on "Light quality-dependent regulation of frost tolerance, plant growth and yield quality in cereals" on 26.10.2017.

Dr. Gabor Kocsy, Plant Molecular Biology Department, Centre for Agricultural Research, MTA 2462 Martonvásár, Hungary delivered a lecture on "Redox control of development and stress response in plants" on 27.10.2017.

National Seminar on "Recent Trends in Plants and Microbial Research" under UGC-SAP programme, Department of Botany, Visva-Bharati on 17.03.2018.

National and International Standard Conference/Seminar/Workshop / Exhibition etc. Attended by the Teacher

Sukanta K Sen

16 November 2017: Chaired a Session on Agricultural Biotechnology in 2nd Regional Science and Technology Congress (Western Region) organized by The University of Burdwan sponsored by Department of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal,

from 16-17 November, 2017.

29 March 2018: Delivered a Plenary Lecture in National Seminar on Trends In Contemporary Research in Plant Science organized by Vidyasagar University , from 29-30 March 2018.

30 March 2018: Chaired a Session in National Seminar on Trends In Contemporary Research in Plant Science organized by Vidyasagar University , from 29-30 March 2018.

Kashinath Bhattacharya

8th March 2018: Delivered an Invited Lecture on "Conservation of biodiversity in ancient India" in the 105th Indian Science Congress (Environmental Sciences section) held at Manipur University, Imphal from 16 - 20 March 2018. Also chaired a session.

29th January 2018: Delivered an Invited Lecture on "Research on Allergen Biology in India" in the 20th National Conference on Aerobiology held at Sant Gadge Baba Amravati University, Amravati from 29 - 31 January 2018.

23rd November 2017 : Delivered an Invited Lecture on "Survey, surveillance and epidemiology of major and emerging diseases of crops" in National Symposium on Challenges and Perspective in Plant Health Management under Climate Change Scenario, Jointly organized by Department of Plant Pathology , BCKV, Nadia, West Bengal and Indian Phytopathological Society, IARI, New Delhi from 23 - 24 November, 2017 at BCKV, Kalyani

8th September 2017 : Delivered an Invited Lecture in UGC Sponsored National Seminar On "Recent Trends in Biodiversity Conservation and Bioresource Utilization" in the Department of Botany, Women's College, Agartala (In collaboration with Department of Botany, Tripura University) from 08-09th September 2017.

22nd December 2017: Delivered a Plenary lecture on "Conservation of Biodiversity through Habitat Restoration" on 22nd December 2017 in K.D. College of Commerce and General Studies, Medinipur, West Bengal. Also acted as a Judge for Best Poster presentation

Nirmalya Banerjee

8-10 March 2018: Delivered an Invited special lecture on "Propagation and conservation of orchid germplasm through in vitro technique" in International Conference on "Frontiers in Biological, Environmental and Medical Sciences held in March 8-10, 2018 at The University of Burdwan, WB, India

17 March, 2018: Participated and organized (organizing secretary) National Seminar on "Recent Trends in Plant and Microbial Research" Organized by Department of Botany, Visva-Bharati, Santiniketan held on 17 March, 2018.

Narayan Chandra Mandal

1-4 November 2017: Delivered an Invited talk, attended Executive Council meeting and Chaired two technical sessions in the ISMPP International Conference on 'Plant Health for Human Welfare', held in November 1-4, 2017. Organized by the Department of Botany, University of Rajasthan, Jaipur

16-17 November 2017: Chaired a Session and Judged the Poster Session of Botany in the Second Regional Science and Technology Congress, 2017, organised by University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of

West Bengal, University of Burdwan, held in November 16-17, 2017.

11-13 January 2018: Honored with Felicitation and Chaired a Technical Session in the Third International Conference on Mother Earth: Environmental Crisis and Sustainable Strategies. January 11-13, 2018. Organized by Department of Environmental Science, The University of Burdwan.

8-10 February 2018: Delivered an Invited talk and Chaired a Technical session in the 6th International Conference on Molecular Signalling (ICMS-2018) held in February 8-10, 2018. Organized by University of Hyderabad and National Institute of Animal Biotechnology, Hyderabad.

23-25 March 2018: Chaired a Technical session in the International Interdisciplinary Conference on Tourism on 'Roadmap for the development of eco-tourism in and around Santiniketan and Birbhum': Organized by Visva-Bharati in collaboration with Ministry of Tourism, GoI and Dept. of Tourism, GoWB, held in March 23-25, 2018

Subrata Mondal

29 -31 January, 2018: Participated in the "XX National Conference on Aerobiology-2018 :Airborne Pollen and Spores: Assessment, Impact and Scope" organized by the Department of Botany, SantGadge Baba Amravati University and Indian Aerobiological Society held at the Department of Botany, SantGadge Baba Amravati University, Amravati, From 29 -31 January, 2018. Also chaired a session.

29-30 March, 2018: Participated in the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018. Also chaired a session.

Chowdhury Habibur Rahaman

12 November 2017: Delivered an Invited Lecture in the XXVII Annual Conference of the Indian Association for Angiosperm Taxonomy (IAAT) and International Symposium on "Plant Systematics: Priorities and Challenges" organized by the Department of Botany, Delhi University, Delhi, India during 10th - 12th November, 2017. Title of the Lecture: "Importance of Ethnobotany in Bioprospecting of the Plant Resources".

Soma Sukul nee Chunari

30 January 2018: Presented paper (poster) in W.B Biodiversity Board Sponsored National Seminar on 'Local Biodiversity' organized by Department of Botany, Raja Rammohun Roy Mahavidyalaya, Hooghly in association with Radhanagar Pally Samity on January 30, 2018. Also chaired a session.

3 February 3 2018: Presented inviting lecture in national seminar and workshop on "Recent Advancement in Cryptogamic Botany" organized by Probir Chatterjee Research Foundation and CAS, Department of Botany, University of Calcutta from February 2-9, 2018.

29 March 2018: Presented paper (oral) in National Seminar on "Trends in Contemporary Research In Plant Science" organized by Department of Botany and Forestry, Vidyasagar University from March 29-30th, 2018. Also chaired a session.

Jnanendra Rath

20 November - 2 December 2017: Participated in the Science Academies Refresher course on "Experimental approaches to molecular microbiology and cell biology" to be held at School of Life

Sciences, Manipal University, Manipal, from 20th November 2017 to 2nd December 2017. Participated in the panel discussion and also presented an oral presentation of Extremophilic cyanobacteria and their survival strategies.

03 February 2018: Delivered an invited lecture on and Hands on Training on Cyanobacteria in the Workshop on Advanced technologies in Botany teaching and research organized by Probir Chatterjee Research Foundation & CAS, Department of Botany, University of Calcutta from 3rd -9th February 2018.

Adani Lokho

29 January 2018: Participated in the National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" organized by Department of Agricultural Engineering, Palli Siksha Bhavan, Visva Bharati, Santiniketan held on 29th January 2018.

Bomba Dam

27-29 October 2017: Attended and delivered an invited lecture in the international symposium "Microbiology in the New Millennium: From Molecules to Communities" organized by Bose Institute, Kolkata.

27-29 October 2017: Chaired a key note talk in the international symposium "Microbiology in the New Millennium: From Molecules to Communities" organized by Bose Institute, Kolkata.

Nandlal Mandal

13-14 September, 2017: Presented a Poster in ISMPP Zonal Meet (East Zone) and National seminar on "Impact of changing environment on plants, Microbes and their interaction" at Department of Botany, Visva-Bharati Santiniketan held in September 13-14 2017.

Research Scholar

Sandip Ghosh

29 March 2018: Delivered an Oral presentation in National Seminar on "Trends In Contemporary Research in Plant Science" organized by Vidyasagar University, from 29-30 March 2018.

Md. Mehboob Hossain

15-17 September 2017: Presented a poster entitled "Somestructural and functional aspects of sexual reproduction in charalean species in the 40th All India Botanical conference held from 15th to 17th September 2017 at Punjabi University, Patiala.

3-9 February 2018: Attended workshop on "Advanced technologies in Botany teaching and Research organized by Probir Chatterjee Research Foundation & CAS Department of Botany, University of Calcutta from 3-9 February 2018.

Partha Karak

26-28 October, 2017: Partha Karak attended and presented a paper in the 5th Paediatric Allergy and Asthma Meeting (PAAM) 2017 held from 26-28 October, 2017 at Hilton London Metropolis, London, UK.

Rajat Kanti Sarkar

29-31 January 2018: Rajat Kanti Sarkar attended and presented a paper in in the 20th Indian

Aerobiological Conference held in SantGadge Baba Amravati University, Amravati from 29-31 January 2018.

Sharadindu Adak

29-31 January 2018: Sharadindu Adak attended and presented a paper in the 20th Indian Aerobiological Conference held in SantGadge Baba Amravati University, Amravati from 29-31 January 2018.

Sumana Aditya

22-23 March 2018: Delivered a lecture on "Tridirectional propagation of a rare orchid *Dendrobium terminale* E.C. Parish & Rchb. F: An in vitro approach" made in National Seminar on Advent of Biotechnology in Life Processes Organized by Department of Biotechnology, The University of Burdwan from 22-23 March, 2018

Anirban Paul

22-23 March 2018: Delivered a lecture on "Comparative in vitro study of three selected species of *Solanum* to assess morphogenetic patterns of growth and regenerative potential in the National Seminar on Advent of Biotechnology in Life Processes Organized by Department of Biotechnology, The University of Burdwan from 22-23 March, 2018

Soumi Bhattacharyya

22-23 March 2018: Delivered a lecture on "Asymbiotic seed culture and morphogenetic studies of *Rhyncostylis gigantea* (Lindl.) Ridl. In the National Seminar on Advent of Biotechnology in Life Processes Organized by Department of Biotechnology, The University of Burdwan from 22-23 March, 2018

Satyajit Das

13 September, 2017: Presented a poster entitled "Abscisic acid (ABA) mediated differential growth responses of root and shoot of *Vignaradiata* (L.) Wilczek seedlings under water stress" in the National Seminar on "Impact of Changing Environment on Plants, Microbes and their Interactions" held at Department of Botany, Visva-Bharati University, West Bengal (September 13-14, 2017).

Lili Pal

23 November, 2017: Presented a poster entitled "ROS and antioxidative enzyme activities during cotyledon senescence of mung bean [*Vignaradiata* (L.) Wilczek]" in the National Conference of Plant Physiology (NCP-2017) organised by Indian Society for Plant Physiology (ISPP) at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh (November 23-25, 2017).

Moumita Sahu

23 November, 2017: Presented a poster entitled "Involvement of reactive oxygen species in antioxidant defense against drought in acclimated mung bean seedlings" in the National Conference of Plant Physiology (NCP-2017) organised by Indian Society for Plant Physiology (ISPP) at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh (November 23-25, 2017); Poster presentation

Payel Mitra

16- 17 November 2017: Delivered an oral presentation in the Mushroom polysaccharide: A new

hope for prebiotic formulation. 2nd Regional Science and Technology Congress, 2017, organized by University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, Burdwan, held in November 16-17, 2017. (Awarded 3rd Prize in oral presentation).

13-14 September 2017: Delivered an oral presentation entitled "Characterisation and antioxidant potentiality of polysaccharides extracted from four wild, edible *Termitomyces* spp. of West Bengal" in the National Seminar on "Impact of Changing Environment on Plants, Microbes and their interactions", organised by Indian Society of Mycology and Plant Pathology and Visva-Bharati, Santiniketan, September 13-14, 2017.

16-March 2018: Presented a poster in the National Conference on "Frontier Areas of Research and Applications using Electron Microscopy", organized by Visva-Bharati, Santiniketan on March 16, 2018.

Sandipan Banerjee

13-14 September 2017: Delivered an oral presentation entitled "Chitinolytic gut bacteria are prospective agents to control plant pathogens" in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

27-29 October 2017: Presented a poster presentation on Isolation, Characterization and identification of chitinase producing gut bacteria of *Hemidactylus frenatus* Schlegel in the international symposium "Microbiology in the New Millennium: From Molecules to Communities" organized by Bose Institute, Kolkata from 27-29 October 2017.

October 2017: Participated in the Workshop on High Throughput 16S rRNA gene sequence based metagenomics, Bose Institute, Kolkata. October 2017

Soma Barman

13-14 September 2017: Delivered an oral presentation entitled "Suppression of Leaf Blight of *Ocimum sanctum* L. Using Lactic Acid Bacteria as Novel Bio-control Agent" in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

8-10 February 2018: Presented a Poster on Application of lactic acid bacteria in management of mycotoxin producing fungi in the 6th International Conference on Molecular Signalling (ICMS-2018) organized by University of Hyderabad and National Institute of Animal Biotechnology, Hyderabad. February 8-10, 2018.

28 March 2018: Participated in Orientation programme on Assam Biodiversity Portal organized by Ashoka Trust For Research in Ecology and the Environment (ATREE) in collaboration with Department of Environmental Science, Tezpur University on March 28, 2018

Satinath Das

13-14 September 2017: Presented a poster entitled "A Potent Rhizobacterium, *Burkholderia cepacia* Tr9 Isolated From *Trichosanthes dioica* Exhibits Promising Antifungal And Plant Growth Promoting Activity" in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-

Bharati in September 13-14, 2017.

16-17 November 2017: Delivered an oral presentation entitled "In search of some plant growth promoting and bio control micro-organisms supporting tea plants" in the 2nd Regional Science And Technology Congress (Western Region), 2017 Jointly organised by The University of Burdwan, Burdwan & Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal November 16-17, 2017

13-14 September 2017: Presented a poster entitled "Studies on bio-control and plant growth promoting activities of some micro-organisms for Camellia" in the National Conference on 'Frontier areas of research and applications using electron microscopy' on March 16, 2018

Sohini Chatterjee

13-14 September 2017: Delivered an oral presentation entitled "Biological activities of one potent endophytic fungal strain *Aternariatenuissima* OE7 isolated from the leaves of *Ocimum tenuiflorum* L." in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

13-14 September 2017: Presented a poster entitled "Activity of bioactive metabolites derived from endophytic fungal isolates against pathogenic microorganisms" in the National Conference on 'Frontier areas of research and applications using electron microscopy' on March 16, 2018

Pralay Shankar Gorai

13-14 September 2017: Delivered an oral presentation entitled "Assessment Of Antibacterial And Antioxidant Activities Of An Endophytic Fungus Isolated From Vignamungo." in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

Sucheta Mandal

13-14 September 2017: Presented a poster entitled "Isolation, Characterization And Antifungal Potential Of Some Lactic Acid Bacteria Isolated From Curd" in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

13-14 September 2017: Presented a poster entitled "Antifungal Activity Of Some Potent Lab Strains Isolated From Curd" in the National Conference on 'Frontier areas of research and applications using electron microscopy' on March 16, 2018

Arkajo Majumdar

23 November, 2017: Presented a poster entitled "Regulation of early root growth entails synchronization of ROS metabolism and pH modulation" in the National Conference of Plant Physiology (NCP-2017) organised by Indian Society for Plant Physiology (ISPP) at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh (November 23-25, 2017)

Ranjan Ghosh

13-14 September 2017: Delivered an oral presentation entitled "Antifungal potential of *Burkholderia* species will be a promising feature for controlling plant pathogenic fungi" in the ISMPP Zonal Meet

(East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

16-March 2018: Presented a poster entitled "Application of scanning electron microscope(sem) to study the biofilm formation on insoluble phosphate granules and the wood colonization by *Burkholderia* spp. In the National Conference on 'Frontier areas of research and applications using electron microscopy' organized by Visva-Bharati, Santiniketan on March 16, 2018.

Hemanta Saha

29 -31 January, 2018: Participated and presented a paper entitled "Floral biology and pollen dispersal of *Capsicum annum* L." in the oral session of the "XX National Conference on Aerobiology-2018 Airborne Pollen and Spores: Assessment, Impact and Scope" jointly organized by the Department of Botany, SantGadge Baba Amravati University and Indian Aerobiological Society held at the Department of Botany, SantGadge Baba Amravati University, Amravati, From 29 -31 January, 2018.

29-30 March, 2018: Participated and presented a paper entitled "Floral biology and pollination of *Vignamungo*(L.) Hepper." in the oral session of the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Kiran Kumar Mondal

29-30 March, 2018: Participated and presented a paper entitled "Studies on ethno-medicinal weeds associated with mulberry fields of Birbhum district, West Bengal" in the oral session of the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Debjit Das

29-30 March, 2018: Participated and presented a paper entitled "Studies on pollen viability and in vitro pollen germination of *Nymphoides indica* (L.) Kuntz." in the oral session of the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Ramanjan Ghanta

29 -31 January, 2018: Participated and presented a paper entitled "Heavy metal toxicity on pollen viability and stigma receptivity of *Gmelina arborea* L." in the oral session of the "XX National Conference on Aerobiology-2018 :Airborne Pollen and Spores: Assessment, Impact and Scope" jointly organized by the Department of Botany, SantGadge Baba Amravati University and Indian Aerobiological Society held at the Department of Botany, SantGadge Baba Amravati University, Amravati, From 29 -31 January, 2018.

29-30 March, 2018: Participated and presented a paper entitled "Studies on pollen viability and stigma receptivity with reference to heavy metal toxicity of *Bauhinia purpurea* L." in the oral session

of the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Soumitra Pal

29 -31 January, 2018: Participated and presented a paper entitled "Enantiostyly, heteranthary and buzz pollination in *Monochoria hastata*(L.) Solms" in the oral session of the "XX National Conference on Aerobiology-2018 :Airborne Pollen and Spores: Assessment, Impact and Scope" jointly organized by the Department of Botany, SantGadge Baba Amravati University and Indian Aerobiological Society held at the Department of Botany, SantGadge Baba Amravati University, Amravati, From 29 -31 January, 2018.

29-30 March, 2018: Participated and presented a paper entitled "Flowering phenology, flower visitor interaction and pollination of *Terminalia arjuna* (Roxb. ex DC.) Wt. & Arn." in the oral session of the National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Sudipta Ghosh

13-14 September, 2017: Participated and presented a paper entitled "Phytochemical evaluation of important plants used in 'bakhar" in the oral session of the ISMPP zonal meet (east zone) and National Seminar on 'Impact of Changing Environment on Plants, Microbes and their Interactions', organized by the Department of Botany, Visva-Bharati, held at Visva-Bharati University, Santiniketan From 13-14 September, 2017

16-17 November, 2017: Participated and presented a paper entitled "Evaluation of ethno traditional formulation of 'Bakhar" in the oral session of the '2nd Regional Science & Technology Congress, 2017, West Bengal (western region)', organized by The University of Burdwan, Burdwan held at The University of Burdwan, Burdwan. From 16-17 November, 2017.

Satyajit Oraon

29 -31 January, 2018: Participated and presented a paper entitled "Circadian atmospheric pollen incidence in *Hyptissuaveolens*(L.) Poit." in the oral session of the "XX National Conference on Aerobiology-2018 :Airborne Pollen and Spores: Assessment, Impact and Scope" jointly organized by the Department of Botany, SantGadge Baba Amravati University and Indian Aerobiological Society held at the Department of Botany, SantGadge Baba Amravati University, Amravati, From 29 -31 January, 2018.

29-30 March, 2018: Participated and presented a paper entitled "Allelopathic effects of aqueous leaf extract of *putranjivaroxyburghii* wall. and *streblusasperlour*. on seed germination of chickpea (*Cicerarietinum* L.)' in the poster session of the "National Seminar On Trends in Contemporary Research in Plant Science" organized by the Department of Botany and Forestry, Vidyasagar University, held at Department of Botany and Forestry, Vidyasagar University, Midnapore. From 29-30 March, 2018.

Anindya Sundar Ray

11th November, 2017: Participated and made an oral presentation in the T. R. Sahu Award Competition Session of the XXVII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on "Plant Systematics: Priorities and Challenges" organized by Department of Botany, University of Delhi, Delhi, during 10th - 12th November, 2017. Title of the paper- "Pharmacognostic, Phytochemical and Antioxidant studies of *Cajanus scarabaeoides* (L.) Thouars: An Ethnomedicinal herb". (Best Paper Presentation Award)
29th March, 2018: Participated and made an oral presentation entitled "Pharmacognostic, Phytochemical and Antioxidant studies of *Solanum glaucophyllum* Desf.: An Ethnomedicinal plant" in the National Seminar on "Trends in Contemporary Research in Plant Science" organized by Department of Botany & Forestry, Vidyasagar University, Midnapore, West Bengal during 29 - 30th March, 2018.

Suman Kalyan Mandal

29th March, 2018: Participated and made an oral presentation in the National Seminar on "Trends in Contemporary Research in Plant Science" organized by the Department of Botany & Forestry, Vidyasagar University, Midnapore, West Bengal during 29 - 30th March, 2018. Title of the paper- "Ethnobotany of *Pueraria tuberosa* (Roxb. ex Willd.) DC. (Fabaceae) recorded from Laterite zone of West Bengal (India): A quantitative study."

Sagari Chowdhury

11th November, 2017: Participated and made an oral presentation in the "Rola S. Rao: Biodiversity and Conservation" Award Competition Session of the XXVII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on "Plant Systematics: Priorities and Challenges" organized by Department of Botany, University of Delhi, Delhi, held on 10th - 12th November, 2017. Title of the paper - "Phytodiversity used by the Lodhas (a primitive tribal group) of West Bengal, India."

Suman Karmakar

11th -15th November, 2017: Participated in an "One Week Course on Advanced Geoinformatics" organized by the Department of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal, Bikash Bhavan, Saltlake, Kolkata during 11th to 15th September, 2017.
29th March, 2018: Participated and made an oral presentation entitled "Ethnomedicinal studies on plant resources of the Biharinath Hill, Bankura district, West Bengal" in the National Seminar on "Trends in Contemporary Research in Plant Science" organized by the Department of Botany & Forestry, Vidyasagar University, Midnapore, West Bengal during 29 - 30th March, 2018.

Nandita Pal

30 March 2018: Presented paper (Oral) in National seminar on "Trends in contemporary research in plant science" Organized by Department of Botany and Forestry, Vidyasagar University, Medinipur, West Bengal from March 29-30, 2018.

Abhijit Kumar Dutta

8 September 2017: Presented paper (oral) in National Seminar on Environmental Pollution,

Biodiversity Conservation and climate changes: Issues and Challenges organized by Nistarini College, Purulia from September 8-9, 2017.

13-14 September 2017: Presented a paper (oral) in the ISMPP Zonal Meet (East Zone) and National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions. Held in Department of Botany, Visva-Bharati in September 13-14, 2017.

January 30, 2018. Presented paper (poster) in W.B Biodiversity Board Sponsored National Seminar on 'Local Biodiversity' organized by Department of Botany, Raja Rammohun Roy Mahavidyalaya, Hooghly in association with Radhanagar Pally Samity on January 30, 2018.

March 29, 2018. Presented paper (oral) in National Seminar on "Trends in Contemporary Research In Plant Science" organized by Department of Botany and Forestry, Vidyasagar University from March 29-30th, 2018.

Arka Mondal

08 -12 January 2018: Participated in the workshop on In Silico Molecular Modeling and drug designing held in Tamil Nadu Veterinary and Animal Sciences University, Chennai from 08 - 12th January 2018

Subarna Saha

19 February - 3 March 2018: Participated in the Science Academies' Refresher Course on 'Multiomic Applications in Medicinal Plant Research' held in Trans Disciplinary University, Bengaluru from 19 February-3 March 2018 and gave an oral presentation on secondary metabolites of extremophilic cyanobacteria.

Shyam Biswa

10-12 May 2017: Participated in the Training programme on Arc GIS from 10th to 12th May 2017 at CNH.

14- February 2018: Participated in the Seminar and Foundation Day programme 13th to 14th February 2018 of BSI. Given Power Point Presentation on "Floristic Diversity of Koderma Wildlife Sanctuary, Jharkhand" at Asutosh Auditorium Hall, ISIM, on 14th February 2018 for the Seminar and Foundation Day Celebration of BSI.

Jhuma Sutradhar

23-29 July 2017: Participated & presented Poster presentation on "Allelopathic effects of *Trianthem portulacastrum* L. on seed germination and early growth of Jute (*Corchorus solitorius* L.) seedlings" at XIX International Botanical Congress, 23-29 July, 2017; Shenzhen, China.

Aniruddha Nag

March 19, 2018: Presented a poster in the 105th Indian Science Congress organized by Indian Science Congress Association (ISCA) and Manipur University, Imphal from March 16 to 20, 2018.

Mohit Kumar Lal

March 19, 2018: Presented a poster in the 105th Indian Science Congress organized by Indian Science Congress Association (ISCA) and Manipur University, Imphal from March 16 to 20, 2018.

Srikanta Pal

27-29 October 2017: Attended and delivered a lecture in the international symposium "Microbiology in the New Millennium: From Molecules to Communities" organized by Bose Institute, Kolkata.

30-31 October, 2017: Attended workshop on "ION NGS workshop" organized by Bose Institute, Kolkata.

Sohini Banerjee

27-29, October, 2017: Attended and delivered a lecture in the International seminar titled "Microbiology in the New Millennium: from Molecules to Communities", organized by Bose Institute, Kolkata.

30-31 October, 2017: Attended workshop on "ION NGS workshop" organized by Bose Institute, Kolkata.

27 Nov - 04 December, 2017: Attended workshop On "R Programming", organised by Center for Advanced Computing & Data Science, University of Houston, Houston, USA.

Arijit Misra

27-29, October, 2017: Attended and presented poster in the International seminar titled "Microbiology in the New Millennium: from Molecules to Communities", organized by Bose Institute, Kolkata.

30-31 October, 2017: Attended workshop on "ION NGS workshop" organized by Bose Institute, Kolkata.

Debalika Dalal Pal

13-14 September, 2017: Poster presentation in ISMPP Zonal Meet (East Zone) and National seminar on "Impact of changing environment on plants, Microbes and their interaction" at Department of Botany, Visva-Bharati Santiniketan.

5. Ongoing Research Projects:

Sl. No.	Name of the Teacher	Name of the Project Agencies	Sponsoring Sanctioned (in lac)	Amount Project	Duration of the Project
1	Sukanta K Sen	Strain development of <i>Monascus</i> sp by genome shuffling for food grade pigment overproduction.	DBT	47.89	3 years
2	Kashinath Bhattacharya	Study to understand the pollination ecology as well as the applicability of placing apiary boxes in the forested areas of the Sunderbans" (As Co-PI : Jointly with Bose Institute and Calcutta University).	WWF-India	30	3 years
3	Rup Kumar Kar (Principal Investigator)	Responses of crop plants (rice and wheat) to combination of light and drought stresses	Dept. of Science & Technology	31.56	3 years

4	Rup Kumar Kar (Co-Principal Investigator)	Genetic improvement and popularization of Komal Chawl - a potential rice preparation for soldiers posted in remote places	Life Science Res. Board (DRDO, Govt. of India)	26.35	3 years
5	Narayan Chandra Mandal	Development of bio-pesticide against fungal diseases of tea using phosphate solubilizing rhizobacteria	Tea Board of India	19.65	3 years
6	SwadeshRanjanBiswas	"Oligo-mediated genome engineering of Lactococcuslactis to generate novel nisin peptides for use in food and health"	DBT	65	3 years
7	Chowdhury Habibur Rahaman	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	Department of Science and Technology, Govt. of W.B.	16.19	3 years +1 Year extension
8	Hema Gupta (Joshi)	Vegetation study of tropical dry deciduous forests in relation to soil N transformations in the lateritic zone of W.B	UGC	6,93,200/-	3 years
9	Bomba Dam	Microbial community structure and function in a lignocellulose degrading natural saline environment and their molecular detection: A step forward towards lignocellulosic biofuel production	UGC	8.4	3 years
10	Bomba Dam	Exploring extreme saline environment to understand transport mediated ionic liquid resistance mechanism by functional metagenomics: A step forward towards lignocellulosic bioenergy	CSIR	20	3 years

11	Anjalika Roy	Intregrated approach to understand agarwood formation and value addition of Agarwood (Aqualariumelaccensis) using OMICS approach	Biotech Constorium India Ltd, New Delhi (DBT Twin)	10 lac	3 years
----	--------------	--	--	--------	---------

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department

Narayan Chandra Mandal

Organized twelve NSS Swachha Bharat Abhijan including 6-day PousMela, BasantaUtsav, and other programs viz. workshop on IPR, different awareness camps as Director, P.S.N.S. (Addl. Duty)

Academic distinctions gained by Teachers or Scholars:

Teachers

Kashinath Bhattacharya

Expert Member of the Thematic Group: Conservation and Sustainable Use of Biodiversity in the National Mission on Himalayan Studies (NMHS) under the Ministry of Environment, Forest and Climate Change (MOEF & CC).

Guest-in-Chief in the UGC Sponsored National Seminar On "Recent Trends in Biodiversity Conservation and Bioresource Utilization" in the Department of Botany, Women's College, Agartala(In collaboration with Department of Botany, Tripura University) held from 08-09th September 2017.

Chief Guest in the Valedictory Function of XX Conference of Indian Aerobiological Society at SantGadge Baba Amravati University on 31 January, 2018

External Expert of the B.O.S in the Department of Biotechnology, Pt. Ravi Shankar Shukla University, Raipur, Chhattisgarh; Department of Botany, Calcutta University and Vidyasagar University, West Bengal.

Member of the Editorial Board, Indian Journal of Aerobiology, Journal of Indian Aerbiological Society

Subrata Mondal

Elected as member of Executive Council of Indian Aerobiological Society.

Member of National Advisory Board of "XX National Conference on Aerobiology-2018 : Airborne Pollen and Spores: Assessment, Impact and Scope", held at the Department of Botany, SantGadge Baba Amravati University, Amravati. 29 -31 January, 2018.

Invited Speaker and Chaired a session in the "XX National Conference on Aerobiology-2018 : Airborne Pollen and Spores: Assessment, Impact and Scope", held at the Department of Botany, SantGadge Baba Amravati University, Amravati. 29 -31 January, 2018.

Invited Speaker and Chaired a session in the "National Seminar On Trends in Contemporary Research in Plant Science" held at Department of Botany and Forestry, Vidyasagar University, Midnapore. 29-30 March, 2018.

Chowdhury Habibur Rahaman

Expert Member of the Technical -cum- Screening Committee of the West Bengal State Medicinal Plants Board, Govt. of West Bengal, Kolkata

Member of the Editorial Board: Journal of Traditional Knowledge and Folk Practices, Jawaharlal Nehru TBGRI, Palode, Tirubanthapuram, Kerala.

Scholars

Rajat Kanti Sarkar was awarded P.H. Gregory Gold Medal in the 20th Indian Aerobiological Conference held in Sant Gadge Baba Amravati University, Amravati from 29-31 January 2018.

Partha Karak received the travel grant of CSIR for attending the 5th Pediatric Allergy and Asthma Meeting (PAAM) 2017 held from 26-28 October, 2017 at Hilton London Metropolis, London, UK.

Publications within the year April 2017- March 2018:

i) Text Books

Samit Ray

Ray Samit, Bhattacharya Shewli (2017) Manual of bryophytes: Morphotaxonomy, diversity, spore germination, conservation. Levant Books, 2017. ISBN: 978-93-84106-64-5

Kashinath Bhattacharya

Bhattacharya K., Ghosh A.K. & Hait A.K. 2017. A Text Book of Botany. Vol.4. New Central Book Agency (P) Ltd., Kolkata. 2017. ISBN 978 9 5255 078 4. pp.667

ii) Other books

Biswas, P. and Mondal, S. (2018). "Recent Advancements in Reproductive Biology of Angiosperms". In- Muses. (Ed. Sen, S.). Dr. Supatra Sen, Kolkata. ISBN: 978-93-5268-653-7. Pp: 57-80.s

Modal, B. Das, B. Lokho, A. and Mandal, G. 2017. Relevance of Dr. B.R. Ambedkar for Inclusive Development in India Vol. II (Inclusive Development, Agriculture and Sustainable Rural Development), New Delhi Publishers, New Delhi 110059. ISBN 975-93-85503-58-0

Research papers

Sukanta K Sen

"Purification of thermo and acid tolerant extracellular phytase from a new soil isolate of *Amycolatopsis vancoresmycina* S-12" *Biocatalysis and Agricultural Biotechnology*, Vol. 11, pp. 302-306.

"Amphiphilic peptide-based supramolecular, non-cytotoxic stimuli-responsive hydrogels with antibacterial activity" *Biomacromolecules*, Vol.18, no. 11, pp. 3621-3629.

"Exploration of fatty acid from the seed oil of *Crotalaria pallida* Aiton for its healthcare and antibacterial efficacy" *Proceedings of the National Academy of Sciences*, doi.org/10.1007/s40010-018-0489-3.

Cleaner production of vanillin through biotransformation of ferulic acid esters from agro residue by *Streptomyces sannanensis*" *Journal of Cleaner Production*, Vol. 182, pp. 272-279.

Number of papers published in Peer reviewed journal:

International - 4

Samit Ray

Bhattacharya, S., Ojha, S. N., & Ray, S. (2017). Variation in Gametophytic and Sporophytic Features among Three Disjunct Populations of *Funaria hygrometrica*. *Nelumbo*, 59(1), 110-117.

Number of papers published in Peer reviewed journal:

National-1

Kashinath Bhattacharya

Saha M, Chakraborty A & Bhattacharya K (2017). Distribution Pattern of Airborne Fungi in Indoor Environment of a District Hospital of West Bengal, India. *Journal of Palynology*. Vol. 53. : 95-108

Saha M., Chakraborty A. & Bhattacharya K (2017). Indoor and Outdoor Airspora of West Bengal State Central Library, India. *Advances in Pollen Spore Research*. Vol. XXXV : 81-90

Roy S, Chakraborty A, Maitra S & Bhattacharya K (2017) Monitoring of airborne fungal spore load in relation to meteorological factors, air pollutants and allergic symptoms in Farakka, an unexplored biozone of eastern India. *Environ Monit Assess*. Springer, Vol. 189:370. DOI 10.1007/s10661-017-6044-x

Number of papers published in Peer reviewed journal:

International- 3

Nirmalya Banerjee

Chattopadhyay P, Banerjee G. and Banerjee N. (2017). Distinguishing orchid species by DNA barcoding: Increasing the resolution of population studies in plant biology. *OMICS A Journal of Integrative Biology*. Volume 21, Number 12, 2017.

Mondal T. and Banerjee N. (2017). Micropropagation and in vitro conservation of threatened orchids: a brief review. *CIBTech Journal of Biotechnology*. 6(3):1-12. ISSN: 2319-3859.

Sarkar J. and Banerjee N. (2017): Variation in total phenolic, flavonoid and tannin contents in methanolic and acetone extracts in callus and leaf tissues of *Solanum merianthum* D. Don: a rare medicinal plant. *Journal of Botanical Society of Bengal*. (In Press)

Number of papers published in Peer reviewed journal:

National: 2

International: 1

Rup Kumar Kar

Das S. and R.K. Kar. (2017). Reactive oxygen species-mediated promotion of root growth under mild water stress during early seedling stage of *Vignaradiata* (L.) Wilczek. *Journal of Plant Growth Regulation*, 36: 338-347 (DOI: 10.1007/s00344-016-9643-9). IF 2.073

Singh, K.L., A. Mukherjee and R.K. Kar. (2017). Early axis growth during seed germination is gravitropic and mediated by ROS and calcium. *Journal of Plant Physiology*, 216: 181-187 (doi.org/10.1016/j.jplph.2017.07.001). IF 3.121

Goswami, S., R.K. Kar, A. Pal and N. Dey. (2017). Genetic potentiality of indigenous rice genotypes from Eastern India with reference to submergence tolerance and deepwater traits. *Current Plant Biology*, 11-12: 23-32. IF 1.55 (RG)

Das, S. and R.K. Kar. (2018). Abscisic acid mediated differential growth responses of root and shoot of *Vignaradiata* (L.) Wilczek seedlings under water stress. *Plant Physiology and Biochemistry*, 123: 213-221 (doi.org/10.1016/j.plaphy.2017.12.016). IF 2.724

Majumdar, A. and R.K. Kar. (2018). Congruence between PM H⁺-ATPase and NADPH oxidase during root growth: A necessary probability. *Protoplasma*. (DOI 10.1007/s00709-018-1217-1). IF 2.87

Number of papers published in Peer reviewed journal:

International: 5

Narayan Chandra Mandal

Sunrit Basu Sarbadhikary, Narayan C. Mandal (2017) Biological Control of Wilt Causing *Pseudomonas* spp. by the Use of Leaf Extracts of *Schimawallichii* (DC.) Korth. and *Melastomamalabathricum* L. *European Journal of Pharmaceutical and Medical Research*, 4(4): 371-377, ISSN: 2394-3211, Society for Advance Healthcare Research.

Sunrit Basu Sarbadhikary, Narayan C. Mandal (2017) Field application of two plant growth promoting rhizobacteria with potent antifungal properties *Rhizosphere*, 3: 170-175, 2017, ISSN: 2452-2198, Elsevier.

Sunrit Basu Sarbadhikary, Narayan C. Mandal (2017) Assessment of Antimicrobial and Antioxidant Activities of a Species of *Aspergillus*: An Endophytic Fungus of *Schimawallichii* (DC.) Korth. Leaves. *Asian Journal of Pharmaceutical and Clinical Research*, 10(9): 361-364, 2017, ISSN-2455-3891, Innovare Academic Sciences.

Soma Barman, Ranjan Ghosh, Shreya Sengupta, Narayan C. Mandal Longterm storage of post-packaged bread by controlling spoilage pathogens using *Lactobacillus fermentum* C14 isolated from homemade curd *PLoS ONE*, <https://doi.org/10.1371/journal.pone.0184020>

S Garai, R Ghosh, P P Bandopadhyay, N C Mandal and A Chattopadhyay Anti-microbial and Anticancer Properties of Echinocystic acid Extracted from *Luffacylindrical* *Journal of Food Processing and Technology*, DOI: 10.4172/2157-7110.1000717

Shampa Dutta, Jayanta Kumar Dutta, Narayan C Mandal Evaluation of indigenous rhizobacterial strains with reduced dose of chemical fertilizer towards growth and yield of mustard (*Brassicacampestris*) under old alluvial soil zone of West Bengal, India. *Annals of Agrarian Science*
Shampa Dutta, Jayanta Kumar Dutta, Narayan C Mandal (2017) Evaluation of Indigenous Rhizobacterial Strains With Reduced Dose of chemical fertilizer towards biochemical constituents of mustard leaf (*Brassicacampestris*). *International Journal of Scientific Research in Environmental Sciences*, 5(3), 0063-0070, ISSN: 2322-4983.

Biplab Bandopadhyay and Narayan Chandra Mandal (2018) Botanicals and Gut Microbiome. *Environica*, vol. 2 pp. 128-138. Published jointly by Department of Environmental Science, The University of Burdwan and Levant Books, Kolkata. ISBN: 9789 384106973

Number of papers published in Peer reviewed journal:

National-1

International-7

Swadesh Ranjan Biswas

JoydebMaji, Bidhan Chandra Mukhopadhyay, SuranjitaMitra, SwadeshRanjanBiswas (2018). Molecular Characterization of Yeasts and Bacteria Isolated From Handia, an Indian Traditional Rice Fermented Alcoholic Beverage. American Journals of Current Microbiology, 6:1-12. ISSN 2572-5815

Number of papers published in Peer reviewed journal:
International-1

Subrata Mondal

DuttaMudi, M. and Mondal, S. (2017). "Floral biology, flower visitor interaction, pollen dispersal and pollination of *Ricinuscommunis*L." Indian Journal of Aerobiology. Vol. 28, no. 1&2, pp. 55-61. [Back volume]

Pal, S., Ghanta, R and Mondal, S. (2017). "Effect of sucrose and Boric acid on invitro pollen germination of *Asparagus racemosus*Wild." Advances in Bioresearch. Vol. 8, no. 2. pp. 190-195.

Mondal, K. K. Mondal, S. and Mandal, S. (2017). "The role of some nutrients on in vitro pollen germination of sweet broom weed (*Scopariadulcis*L.)". Vol. 8, no. 8. pp. 19249-19251.

Pal, S., Ghanta, R. andMondal, S. (2018). "Bee-flower interaction, pollen dispersal and pollination of *Feronialimonia* (L.) Swing." Indian Journal of Aerobiology. Vol. 29, no. 1&2 (Accepted) [Back volume].

Pal, S. and Mondal, S. (2018): "Studies on in vitro pollinium germination of *Oxystelmaesculentum*(L.f.) Sm." Journal of Palynology (Accepted).

Ghanta, R. and Mondal, S. (2018). "Impact of different heavy metals on pollen viability of *Crescentiacujete*L." Journal of Palynology (Accepted).

Number of papers published in Peer reviewed journal:
National: 2
International: 4

Chowdhury Habibur Rahaman

Rahaman C.H. (2017) Indian Ethnobotany: Present Status and Future Prospect. In T. Pullaiah, K. V. Krishnamurthy and BirBahadur (eds.) Ethnobotany of India: The Indo-Gangetic Region and Central India, Vol.5. Apple Academic Press, USA. Worldwide distribution by CRC Press. Pp.653-673.

Rahaman C.H., Mandal, S.K. and Pullaiah, T. (2017) Ethnomedicinal Plants of the Indo-Gangetic Region and Central India. In T. Pullaiah, K. V. Krishnamurthy and BirBahadur (eds.) Ethnobotany of India: The Indo-Gangetic Region and Central India, Vol.5. Apple Academic Press, USA. Worldwide distribution by CRC Press. Pp.127 -210.

Ray, A.S. and Rahaman, C.H. (2018) Pharmacognostic standardization and phytochemical investigation of *Cajanusscarabaeoides*(L.) Thouars .Research Journal of Pharmacognosy and Phytochemistry , 10(1):120- 131.

Chaudhury S., Rahaman C.H., Singh H., Chaudhuri K., Pillai B. and Seal T. (2018) *Dioscoreaalata*: A potent wild edible plant consumed by the Lodha tribal community of West Bengal, India. Journal of Pharmacognosy and Phytochemistry.7(2): 654-663.

Number of papers published in Peer reviewed journal:

National-2

International-2

Soma Sukul nee Chunari

Rakshit A, Sukul Soma (2017) Impact of endophytic bacteria in plants Clinical and experimental homeopathy, issue: May 2017; 4(2): 40-51

Number of papers published in Peer reviewed journal:

National-1

Adani Lokho

Sutradhar J., Lokho A. and Das A.P. (2017). Allelopathic effects of *Trianthemportulacastrum* L. (Aizoaceae) on seed germination and early growth of *Sesamum indicum* L. Seedlings. BIONANO FRONTIER Vol. 10 (2) July, Print ISSN 0974-0678, Online : 2320-9593, www.bionanofrontier.org

Sutradhar J. (2018). Inhibitory effects of *Trianthemportulacastrum* L. (Aizoaceae) on crop seedlings and detection of its allelochemicals through 'fourier transform infrared spectroscopic analysis (FT-IR)' at Multidisciplinary International Conference on; GREEN EARTH: A PANORAMIC VIEW. 12th and 13th January, 2018 (Accepted).

Sutradhar J., Lokho A. and Das A.P. (2018). Survey of Weed Flora of Rice Fields in Lateritic Belt and Alluvial Zone (Bindhya and Gangetic Alluvium) of Bardhaman District, West Bengal, India. Book Chapter in "Angiosperm systematics: Recent trends and emerging issues". Published by : M/s. Bishen Singh Mahendra Pal Singh, Dehra Dun, India (Accepted)

Number of papers published in Peer reviewed journal:

National-1

International- 2

Hema Gupta (Joshi)

Hema Gupta (Joshi) and M. Ghose. Distribution of mangroves and soil parameters in the Lothian Island of Sundarbans, India - a GIS approach. In: (ed. R. Dasgupta) Advances in Growth Curve and Structural Equation Modeling: Proceedings 2017 - Topics from the Indian Statistical Institute. Springer Proceedings in Mathematics and Statistics, Springer Nature Singapore Pte Ltd. (Accepted last year)

Malakar S. and H. Gupta (Joshi). Successional changes in some physico-chemical properties on an age series of overburden dumps in Raniganj Coalfields, West Bengal, India. In: (ed. R Dasgupta) Advances in growth curve and structural equation modeling. Springer proceedings in Mathematics and Statistics. Springer Nature Singapore Pte Ltd. (Accepted on 3.4.18)

Number of papers published in Peer reviewed journal:

National - 0

International- 2

Bomba Dam

Roy A, Mukherjee R, DamB, Dam S and Roy P. (2018) Is it possible to control metal ion selectivity of rhodamine-6G based chemosensor by varying its substitution? New Journal of Chemistry; Royal

Society of Chemistry. doi: 10.1039/C8NJ01130C. (Impact factor: 3.27).

Banerjee S, SarA, Misra A, PalS, ChakrabortyA, & Dam B. (2018) Increased productivity in poultry birds by sub-lethal dose of antibiotics is arbitrated by selective enrichment of gut microbiota, particularly short-chain fatty acid producers. *Microbiology* 164: 142-143; *Microbiology Society Journal*, Society for General Microbiology (SGM) Press, UK. (Impact factor: 2.76)

Sinha S, Sen S K, & Dam B. (2017) Genome analysis to identify virulence-related features present in an emerging enteric pathogen *Escherichia albertii* KF1 as compared to that of the prototypical *Escherichia coli* O127:H6 E2348/69. *Journal of Advanced Microbiology* 3(3) 110-119.; ISSN Online: 2349-7785; HK Bhalla & Sons Publishers

Number of papers published in Peer reviewed journal:

International- 3

Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

From 2017-2018 sessions B. Sc. course in Botany has been brought under CBCS Semester system following the guideline of UGC and the syllabi of the whole curriculum restructured newly (under four semesters) keeping in view of the recent advancements of knowledge in the subject. Also credit point system has been adopted for evaluation.

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development:

Department of Botany, Visva-Bharati has started undergraduate course in Botany in 1965 and postgraduate course in Botany in 1969. Later, School of Life-Science developed along with Zoology Department and curriculum has been modified accordingly. In view of current thrust on biotechnological approach in all spheres, a postgraduate course in Biotechnology has also been introduced in 1997 under the School of Life Science involving both the Department of Botany and Zoology and other science departments. In future Department is planning to develop further the research activities and introduce new courses in the demanding areas of modern science. Teachers of the Department are taking all measures to upgrade the syllabus and include modern techniques in their practical classes.

Particulars in details of the Departmental Library:

Area (sq. meters) quoted for the library - 150 sq. ft.

Separate provision for reading room - No

Total no. of books - 1600 (approx.)

Total no. of books purchased during the year - 80

Total no. of periodicals - 5

Periodicals purchased during the year -

DEPARTMENT OF STATISTICS

Conference/Seminar/Workshop/Exhibition etc.

Prof. Kashinath Chatterjee

International

1. Delivered lectures to the Ph.D. students of the Department of Statistics, Central China Normal University, Wuhan, China on Uniform Designs.
2. Delivered a Seminar Lecture on Designs for Model Selection at South-central University for Nationalities, Wuhan, China.
3. Delivered a Seminar Lecture on R-optimal Supersaturated Designs at Yunnan University, Kunming, China.

National

1. Delivered an invited talk at A National Conference on Engineering Mathematics at Indian Institute of Technology, Kharagpur.

Prof. Sudhansu S. Maiti

1. 29 June 2017: Delivered an invited lecture entitled "Mahalanobis: A man behind today's data analytics in India, relationship with Tagore and Visva-Bharati" at the Celebration of 11th National Statistics Day, organized by District Statistical Office, Birbhum under Bureau of Economics and Statistics, West Bengal.
2. 07 November 2017: Delivered an invited lecture entitled "Mahalanobis, Tagore and Visva-Bharati" at the Rotary Club of India, Bolpur Branch.
3. 20-22 November 2017: Attended and presented an invited paper entitled "A Journey from Statistical Quality Control to Reliability/Survival Analysis" and chair a session in the Workshop on Reliability Theory and Survival Analysis held at Indian Statistical Institute, Kolkata.
4. 04-06 January 2018: Attended and presented an invited paper entitled "Role of Generalized Process Capability Indices in Quality Improvement" in the International Conference on New Paradigms in Statistics for Scientific and Industrial Research held at CGCRI, Kolkata.

Dr. Arindom Chakraborty

National

1. (November, 2017) Statistics for Life Sciences: An Introduction Course work for doctoral researchers at the Department of Biotechnology, St. Xavier's College, Kolkata.

International

1. (December, 2017) First International Workshop on Poverty Statistics in SAARC Region, National Statistical Institute, Kathmandu, Nepal.

Dr. Tirthankar Ghosh

1. Attended AICTE-QIP Short Term Course on Biomedical Data Analytics (BioMeDicS-2017) held at IIT Kharagpur during September 11-17, 2017.

Dr. Saran Ishika Maiti

1. (18th-23rd March, 2018) Attended 5-day workshop on Advanced Computational Statistics

organized by Interdisciplinary statistical research unit (ISRU), ISI Kolkata from.

Mr. Soumalya Mukhopadhyay

1. (October 12, 2017), Acted as a resource person in the Ph.D coursework 2017 entitled " Statistics Using R" organized by Department of Statistics, West Bengal State University, Barasat.
2. (Januray 4-6, 2018) Attended "International Conference on New Paradigms in Statistics for Scientific and Industrial Research" jointly organized by IAPQR and CSIR-CGCRI, Kolkata.
3. (March 8-9, 2017) Acted as a resource person in "R-Workshop for ecologists" organized by the Agricultural & Ecological Research Unit, Indian Statistical Institute.

Mr. Sourav Rana

1. (Januray 4-6, 2018) Attended "International Conference on New Paradigms in Statistics for Scientific and Industrial Research" jointly organized by IAPQR and CSIR-CGCRI, Kolkata.

Academic Distinctions

Prof. Kashinath Chatterjee

1. Visited Jiann-Ping Hsu College of Public Health at Georgia Southern, USA, from June 19, 2017 - June 30, 2017.
2. Visited Department of Statistics, Central China Normal University, Wuhan, China as visiting scientist from November 23, 2017 to December 3, 2017.
3. Visited the School of Mathematics and Statistics, Yunnan University, Kunming, China for Academic discussion from December 3, 2017. to December 5, 2017.
4. Serving as an Associate Editor of the "Journal of the Indian Society of Agricultural Statistics".

Reviewer of the journals:

- (a) Statistics and Probability Letters,
- (b) Journal of Statistical Planning and Inference,
- (c) Communications in Statistics: Theory and Methods,
- (d) SCIENCECHINA Mathematics.

Prof. Sudhansu S. Maiti

Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2018.

Editorial Board Member, International Journal of Agricultural and Statistical Sciences.

Reviewer for the journals-

- (a) Journal of Testing and Evaluation
- (b) Journal of Data Science
- (c) Annals of Data Science
- (d) Journal of Modern Applied Statistical Methods
- (e) Journal of King Saud University Science
- (f) Journal of Reliability and Statistical Studies.

Dr. Tirthankar Ghosh

1. Visited Department of EOAS, Florida State University, Florida, USA as Research Associate during Aug 2016 to May 2017
2. Worked as reviewer for International Journal of Quality and Reliability Management.

Dr. Saran Ishika Maiti

Reviewer of the journals:-

Educational and Psychological Measurements, International Journal of Indian Psychology.

Mr. Sourav Rana

1. Pal, N., Samanta, S., Rana, S., (2017) The Impact of Constant Immigration on a Tri-trophic Food Chain Model. International Journal of Applied and Computational Mathematics, DOI 10.1007/s40819-017-0317-5.
2. Chowdhury, J., Rana, S., Bhattacharya, S., Roy, P.K.,(2017). Role of Bio-Pest Control on Theta Logistic Populations: A Case Study on *JatrophaCurcus* Cultivation System. Industrial Mathematics and Complex Systems, Pages 319-336.

Publications :

Prof. Kashinath Chatterjee

1. Response modelling approach to robust parameter design methodology using supersaturated designs. K Chatterjee, K Drosou, SD Georgiou, C Koukouvinos Journal of Quality Technology 50 (1), 66-75, 2018.
2. New lower bound for Lee discrepancy of asymmetrical factorials. L Hu, K Chatterjee, J Liu, Z Ou, Statistical Papers, 1-10 (2018).
3. Construction of four-level designs for computer experiments. H QIN, ZJ OU, K CHATTERJEE, SCIENTIA SINICA Mathematica 47 (9), 1089-1100 (2017)
4. Multivariate Bayesian U-type asymmetric designs for non parametric response surface prediction under correlated errors. N Balakrishnan, H Qin, K Chatterjee Communications in Statistics-Theory and Methods 46 (9), 4226-4239 (2017)
5. A 2-optimal designs: the nearly-balanced case. K Chatterjee, SD Georgiou, C Koukouvinos, Statistics 51 (2), 235-246 (2017)
6. Stress-strength models with more than two states under exponential distribution H Qin, N Jana, S Kumar, K Chatterjee, Communications in Statistics-Theory and Methods 46 (1), 120-132 (2017)
7. Uniform Four-Level Designs From Two-level Designs: A New Look. K Chatterjee, Z Ou, FKH Phoa, H Qin, Statistica Sinica 27 (1), 171-186 (2017).

Prof. Sudhansu S. Maiti

1. Saha, M., Dey, S. and Maiti, S. S. (2018): Parametric and Non-Parametric Bootstrap Confidence Intervals of Cnpk for Exponential Power Distribution, Journal of Industrial and Production Engineering, 53(3), 160-169.
2. Dey, S., Saha, M., Maiti, S. S. and Jun, C-H. (2018): Bootstrap Confidence Intervals of Generalized Process Capability Index Cpyk, Communications in Statistics-Simulation and Computation, 47(1), 249-262.
3. Gupta, A., Nazrin, C. S. and Maiti, S. S. (2017): Situation of Intimate Partner Violence-A Statistical Study, International Journal of Reviews and Research in Social Sciences, 5(2), 93-102.
4. Hassan, A. S., Hemeda, S. E., Maiti, S. S. and Pramanik, S. (2017): The Generalized Additive Weibull-G Family of Distributions, International Journal of Statistics and Probability, 6(5), 65-83.
5. Maiti, S. S. and Mukherjee, I. (2017): Estimation of the PMF and CDF of some Standard

Discrete Distributions Useful in Reliability Modeling, *International Journal of Agricultural and Statistical Sciences*, 13(2), 735-751.

6. Sen, S., Chandra, N. and Maiti, S. S. (2017): The Weighted Xgamma Distribution: Properties and Application, *Journal of Reliability and Statistical Studies*, 10(1), 43-58.

Dr. Arindom Chakraborty

1. Roy, S., Chakraborty, A., Moitra, S & Bhattacharya, K (2017): Monitoring of airborne fungal spore load in relation to meteorological factors, air pollutants and allergic symptoms in Farakka, an unexplored Biozone of Eastern India; *Environmental Monitoring and Assessment* 189: 370.
2. Saha, M., Chakraborty, A.& Bhattacharya, K (2017): Distribution pattern of airborne fungi In indoor environment of a district Hospital of West Bengal, India; *Journal of Palynology* Vol. 53 (2017) : 95-108.
3. Saha, M., Chakraborty, A.& Bhattacharya, K (2017): Indoor and Outdoor Airspora of West Bengal State Central Library, India. *Advances in Pollen Spore Research* Vol. XXXV (2017) : 81-90
4. Basak, T., Chakraborty, A. and Bhattacharya, K. (2017): Investigation of Aerial Pollen Diversity in Santiniketan, West Bengal and Prediction of Pollen Concentration: A New Statistical Approach for Forecasting of Pollen Season. *Indo American Journal of Pharmaceutical Sciences*, Vol-4 (11), 4576-4587.
5. Banerjee, S., Sar, A., Misra, A., Pal, S, Chakraborty, A.& Dam, B. (2018) Antibiotic supplementation in feed modulates gut bacterial population and selects short chain fatty acid producers that facilitate improved metabolism and growth of conventional poultry birds *Microbiology*, 164: 142-153, doi: 10.1099/mic.0.000597.

Dr. Tirthankar Ghosh

1. Krishnamurti, T.N, Dipak K Sahu, Vinay Kumar, Ruby Krishnamurti, Ghosh, T., Anu Simon, Thomas, A. , Sarvesh Dubey, (2017), Extreme orographic rains from streams of moist marine layer wind systems with a possible geoengineering application, *International Journal of Hydrology*, 1, 229-242.
2. Vinay kumar and Tirthankar Ghosh (2018), Performance of Multimodel Schemes for Seasonal Precipitation over Indian Region, *Advances in Meteorology*, Volume 2018, Article ID 5874270, 14 pages, <https://doi.org/10.1155/2018/5874270>.
3. T. Ghosh and T.N. Krishnamurti (2018), Improvements in hurricane intensity forecasts from a multi-model superensemble utilizing a generalized neural network technique, *Weather and Forecasting* (in press).

Mr. Soumalya Mukhopadhyay

1. Das,D., Moniruzzaman, M., Mukhopadhyay, S., Karan, S., Sarbajna, A. and Chakraborty,S.B.: Impact of Metal Toxicity on Oxidative Balance and Mitochondrial Enzyme Function in Muscle of Tilapia. *Bulletin of Environmental Contamination and Toxicology* , 100(5) pp. 647-652.No

DEPARTMENT OF COMPUTER AND SYSTEM SCIENCES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

GATE:

Arnab Sadhu (UGC NET 2017)

Subhayan Bhattacharya (UGC NET 2017)

KaushikKarmakar (UGC NET 2017)

Subinoy Manna (GATE 2018)

SaikatSubhra Paul (GATE 2018, UGC NET 2017)

Avishek Nandi (UGC NET-JRF- 2017)

Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Attended by Teachers / Research scholars in details.

Teachers:

Prof Alak K Datta

- i. Invited Talk : "Introduction to Algorithms with special emphasis to graph algorithms" at Vidyasagar University during 27-29 March 2018 in collaboration with Academy of Discrete Mathematics and Applications (ADMA).
- ii. Chaired a session in national workshop on : "Introduction to Algorithms with special emphasis to graph algorithms" at Vidyasagar University during 27-29 March 2018 in collaboration with Academy of Discrete Mathematics and Applications (ADMA).

Prof. Balaram Bhattacharyya

- i. Chaired a session in Ninth International Conference on Advances in Pattern Recognition, (ICAPR-2017) December 27-30, 2017. held in Systems Science and Informatics Unit, Indian Statistical Institute, Bangalore.
- ii. Presented research paper "Peptide poset mining for antiviral target regions in Human Rhinovirus", Ninth International Conference on Advances in Pattern Recognition, (ICAPR-2017) December 27-30, 2017. held in Systems Science and Informatics Unit, Indian Statistical Institute, Bangalore.

Prof. Paramartha Dutta

- i. Invited lecture in the International Seminar on "Emerging Trends in Information Science and Technology (ISETIST 2017)" organized by the Department of Computer and Information Science of Raigunj University on 13/01/2017.
- ii. Invited lecture in the TEQIP - II sponsored Short Term Course on "Expert Systems and Machine Intelligence Techniques- Applications to Electrical, Electronics and Communication Engineering (ESMIT 2017)" organized by and at the Department of Electrical Engineering of College of Engineering and Management, Kolaghat held during 24/01/2017 to 29/01/2017.
- iii. Invited lecture in the TEQIP - II sponsored National Level Orientation and Faculty Development Programme on "LaTeX: The Art of Technical Writing" organized by and at the Department of Information Technology of RCC Institute of Information Technology, Kolkata held during 06/02/2017 to 10/02/2017.
- iv. Invited lecture in the Two days' Workshop on "Scientific Document Writing using LaTeX"

- organized jointly by the Department of Computer Science of Aliah University, Kolkata and the Computer Society of India, Kolkata Chapter, at the Department of Computer Science of Aliah University, Kolkata during 11/02/2017 to 12/02/2017.
- v. Invited lecture entitled "Selected Topics of Artificial Neural Network" in the one day National Symposium on "Recent Trend of Computational Intelligence" organized jointly by the Department of Computer Science of University of GourBanga, Malda, West Bengal in Technical Collaboration with the IEEE Computational Intelligence Society, Kolkata Chapter on 15/06/2017.
 - vi. Invited lecture entitled "Artificial Neural Network" in the Five days' Faculty Development Programme organized jointly by the Brainware University, Kolkata and Beainware Engineering College, Kolkata at the Brainware University, Kolkata on 12/07/2017.
 - vii. Invited lecture entitled "Hybrid Intelligent Techniques" on 17/07/2017 in the Two weeks' Faculty Development Programme on "Hybrid Computational Intelligence" organized by and at the Department of Information Technology of RCC Institute of Information Technology, Kolkata under the aegis of Electronics and ICT Academy, National Institute of Technology, Patna held during 17/07/2017 to 27/07/2017.
 - viii. Invited lecture entitled "Hybrid Intelligence" on 08/08/2017 in the One day Symposium on "Computational Intelligence: Theories, Applications and Future Aspects" organized and at the Department of Computer Science and Engineering of Assam University, Silchar held on 08/08/2017.
 - ix. Invited lecture entitled "Image Registration" in the Two days Seminar on "Image Processing and Pattern Recognition" during 09/09/2017 to 10/09/2017 organized by the Department of Information Technology of Siliguri Institute of Technology, West Bengal, India on 10/09/2017.
 - x. Invited lecture entitled "Energy Characteristics of Quantum Dot Cellular Automata based Circuits" in the One day Seminar on "Quantum Computers - The Future of Computing (QCFC 2017)" organized by the Department of Computer Science and Engineering of Techno India - Batanagar, West Bengal, India on 16/09/2017.
 - xi. Invited lecture entitled "Introduction to Machine Learning" in the Two days Seminar on "Machine Learning" during 10/11/2017 to 11/11/2017 organized by the Department of Computer Science and Engineering of Siliguri Institute of Technology, West Bengal, India on 10/11/2017.

Research Scholars

Debaditya Barman

- i. Participated and successfully completed 5 day GIAN Workshop on Big Social Data Analysis at IIT Patna from 26.02.2018 to 02.03.2018.
- ii. Attended International Seminar on Computational Intelligence (ISIC 2017) organized by Department of Information Technology, Jadavpur University on 16.12.2017.
- iii. Attended one day National Seminar "Recent Trend of Computational Intelligence" organized jointly by the Department of Computer Science of University of GourBanga, Malda, West Bengal in Technical Collaboration with the IEEE Computational Intelligence Society, Kolkata Chapter on 15/06/2017.

Uddalak Mitra

- i. Pattern Recognition and Machine Intelligence: 7th International Conference, PReMI 2017, Indian

- Statistical Institute , Kolkata, India, December 5-8, 2017,
- ii. Ninth International Conference on Advances in Pattern Recognition(ICAPR-2017) December 27-30, 2017. Systems Science and Informatics Unit, Indian Statistical Institute, Bangalore.

Arnab Sadhu

- i. 1st International Conference on Biotechnology and Biological Sciences (Biospectrum 2017), 25 - 26 August, 2017, held at University of Engineering & Management, Kolkata
- ii. One Day International Seminar on Intelligent Computing (ISIC 2017) In Technical Collaboration with IEEE Computational Intelligence Society Kolkata Chapter On December 16, 2017, held at Department of Information Technology, Jadavpur University

Md. Nasir

- i. 1st International Conference on Biotechnology & Biological Sciences, BIOSPECTRUM 2017 at University of Engineering & Management, Kolkata, India held on 25th - 26th August,2017.

Avishek Nandi

- i. GIAN workshop on Contrast Enhancement in Poor Visibility, Tripura University, 5 - 9th March 2018
- ii. GIAN workshop on Image and Video Forensics, Tripura University, 12 - 16th March 2018
- iii. Workshop on Brain Computer Interfacing for Rehabilitative Robotics, Jadavpur University, 27 - 29 March, 2018

Ongoing Research Projects in the Department

1. Name of the Project: "Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments"

Name of the Teacher : Dr.Utpal Roy, Professor

Co-Investigator(CI):Mr.Subhasis Banerjee, Assistant Professor

Sponsoring Agencies: Department of Atomic Energy(DAE), Bhaba Atomic Research Centre (BARC), BRNS Project(April-2014).

Amount Sanctioned:Rs. 17.00 lakhs (approx.)

Extension activities / NSS / Cultural and other activities organised by the Department and participated by the teachers and students of the Department.

- I. Organized 3rd Annual Coding competition CodeCom-2018 in technical collaboration with IEEE computational Intelligence Society, Kolkata chapter on 11.03.2018.
- II. Organized 2nd Annual inter departmental Quiz contest- QUIZARD-2K17 on 05.09.2017.

Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):

Prof. Paramartha Dutta

Patent:

Published:

- a. S. Roy, P. Dutta and D. Mukhopadhyay, "Quantum Dot Cellular Automata based Portable Industrial Radiography System", Indian Patent No. 201731000500 dated 05/01/2017.
- b. S. Bhattacharyya, S. S. Mukherjee, P. Dutta, S. Chakraborty, B. Roy, B. Chakraborty, I. Pan,

H. Bhaumik and A. Mukherjee, "A LED based Colorimeter Device", International Patent No. PCT/IN2016/000206 dated 11/08/2016, International Publication No.: WO 2017/029681 A1, International Publication Date: 23/02/2017.

Applied:

- a. S. Roy, P. Dutta, D. Mukhopadhyay and S. Bhattacharyya, "A portable molecular quantum dot cellular automata X-Ray system and Method of its operation thereof", PCT Application No. PCT/IB2017/050329 dated 23/01/2017.
- b. S. Roy, P. Dutta, D. Mukhopadhyay and S. Mondal, "Quantum Dot Cellular Automata based Portable Cancer Cell Demolition System and Method of its operation thereof", PCT Application No. PCT/IB2017/050622 dated 04/02/2017.
- c. S. Roy, P. Dutta, D. Mukhopadhyay and M. Ghosh, "Quantum Dot Cellular Automata based Food Irradiation System and Method of its working", PCT Application No. PCT/IB2017/050660 dated 08/02/2017.

Award

1. Life Fellow of the Institution of Engineers, India (F 121919-3) since 2016.
Prof. Utpal Roy
1. Mother Teresa Excellence Award: May 2017 (by Indian International Friendship Society, New Delhi).
2. Invitation of Honour form the Editorial Desk to present Biographical profile in www.asianbiographies.in by RIFACIMENTO INTERNATIONAL
3. Winner of Marquis Who's Who 2018

Journal Edited:

1. Behavioral Analytics and its Application in Management Decision Making, (in) International Journal of Business Analytics, IGI Global, USA, 2018.
Editors : AnirbanMitra, D P Acharya, Utpal Roy

Publications within the year April 2017 - March 2018

- i) Text books
- ii) Other books
- iii) Monographs
- iv) Research Papers.(Author(s), title of Paper, year journal volume No., Pages),
- v) Number of paper published in Peer / reviewed journals: National/International

Teachers:

Prof. Alak Kumar Datta

Journal:

1. Datta, A. K., &Debnath, C. (2017). Spanning cactus: Complexity and extensions. Discrete Applied Mathematics(Elsevier), V. 233, pp. 19-28, 2017.

Books:

Edited:

1. S. Bhattacharyya, S. De, I. Pan and P. Dutta, Edited Book entitled "Intelligent Multidimensional Data Clustering and Analysis" published by IGI Global, USA, ISSN: 2327-1981; eISSN: 2327-

- 199X, 2017.
2. S. Bhattacharyya, P. Dutta, S. De and G. Klepac, Edited Book entitled "Hybrid Soft Computing for Image Segmentation", published by Springer International Publishing AG, Cham, Switzerland, 2017.
 3. S. Bhattacharyya, I. Pan, A. Mukherjee and P. Dutta, Edited Book entitled "Hybrid Intelligence for Image Analysis and Understanding", published by John Wiley, UK, ISSN: 9781119242925, 2017.
 4. J. K. Mandal, P. Dutta and S. Mukhopadhyay, Edited Book entitled "Computational Intelligence, Communications and Business Analytics" (Proceedings of the First International Conference on Computational Intelligence, Communications and Business Analytics), published by Springer Nature, Singapore, DOI: 10.1007/978-981-10-6427-2, eBook ISBN: 978-981-10-6427-2, 2017.

Prof. Paramartha Dutta

Journals:

1. A. Banerjee, A. Sufian and P. Dutta, "EMR-PL: Energy-efficient Multipath Routing Based on Link Life Prediction", Journal of Information and Optimization Science, vol. 39, No. 1, pp. 285 - 301, Taylor and Francis, 2017, [ESCI indexed]
2. K. Datta, D. Mukhopadhyay and P. Dutta, "Design and analysis of an energy efficient and compact two-dimensional two-dot one-electron quantum-dot cellular automata-based ripple carry adder", International Journal of Convergence Computing, vol. 2, no. 3, pp. 161 - 182, Inder Science Publishers, 2017, ISSN online: 2048-9137 ISSN print: 2048-9129.
3. K. Datta, D. Mukhopadhyay and P. Dutta, "Comprehensive study on the performance comparison for logically reversible and irreversible parity generator and checker designs using two-dimensional two-dot one-electron QCA", Microsystem Technologies, Springer Berlin Heidelberg, pp. 1 - 9, DOI: 10.1007/s00542-017-3445-2, Print ISSN 0946-7076, Online ISSN 1432-1858, 2017. [SCI indexed]
4. M. Ghosh, D. Mukhopadhyay and P. Dutta, "Design of an arithmetic circuit using non-reversible adders in 2 dot 1 electron QCA ", Microsystem Technologies, Springer Berlin Heidelberg GmbH, pp. 1 - 11, DOI:https://doi.org/10.1007/s00542-017-3526-2, Print ISSN 0946-7076, Online ISSN1432-1858, 2017. [SCI indexed]
5. A. Barman and P Dutta, "Facial expression recognition using distance and shape signature features", Pattern Recognition Letters, Elsevier 2017, DOI: 10.1016/j.patrec.2017.06.018 (In Press) [SCI indexed]
6. A. Pal, P. Dutta, A. Chakrabarti, J. P. Singh and S. Sadhu, "Biogeographicbased temporal prediction of link stability in mobile ad hoc networks", Wireless Personal Communication, Springer 2018 (In Press) [SCI indexed]
7. K. Datta, D. Mukhopadhyay and P. Dutta, "Comprehensive Design and Analysis of Gray Code Counters using 2-dimensional 2-dot 1-electron QCA", Microsystem Technologies, Springer Berlin Heidelberg, DOI: https://doi.org/ 10.1007/s00542-018-3818-1, Print ISSN 0946-7076, Online ISSN 1432-1858, 2018 (In Press) [SCI indexed]
8. M. Ghosh, D. Mukhopadhyay and P. Dutta, "Influence of structure of 2 dimensional 2 dot 1 electron QCA cells in design of a pipelined subtractor", Microsystem Technologies, Springer

Berlin Heidelberg GmbH, pp. 1 - 11, DOI: [https://doi.org/ 10.1007/s00542-018-3826-1](https://doi.org/10.1007/s00542-018-3826-1), Print ISSN 0946-7076, Online ISSN 1432-1858, 2017. (In Press) [SCI indexed]

Conference Proceedings

1. S. Mondal, D. Mukhopadhyay and P. Dutta, "A Design of a 4 Dot 2 Electron QCA Full Adder Using Two Reversible Half Adders", in proceedings of First International Conference on Intelligent Computing and Communication (ICIC2016), University of Kalyani, India, Springer Advances in Intelligent Systems and Computing Series, no. 458, pp. 327 - 335, 2017, DOI: 10.1007/978-981-10-2035-3_33.
2. K. Datta, D. Mukhopadhyay and P. Dutta, "Design of a BCD Adder using 2-Dimensional Two-Dot One-Electron Quantum Dot Cellular Automata", in proceedings of First International Conference on Intelligent Computing and Communication (ICIC2 2016), University of Kalyani, India, Springer Advances in Intelligent Systems and Computing Series, no. 458, pp. 345 - 354, 2017, DOI: 10.1007/978-981-10-2035-3_33.
3. A. Barman and P. Dutta, "Facial expression recognition using distance signature feature", in proceedings of the International Conference on Advanced Computational and Communication Paradigms (ICACCP 2017), Sikkim Manipal Institute of Technology, Rongpo, Sikkim, India, Springer, 2017 (To appear).
4. A. Barman and P. Dutta, "Facial Expression Recognition using Shape Signature Feature", in proceedings of the Third International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2017), pp. 174 - 179, IEEE, 2017.
5. A. Barman and P. Dutta, "Texture Signature based Facial Expression Recognition using NARX", in proceedings of the International Conference on IEEE Calcutta Conference (CALCON 2017), IEEE, 2017 (To appear).
6. S. Mondal, M. Ghosh, K. Datta, D. Mukhopadhyay and P. Dutta, "A design and application case study of binary semaphore using 2 Dimensional 2 dot 1 electron Quantum Dot Cellular Automata", in proceedings of the 52nd Annual Convention of the Computer Society of India (CSI 2017), Springer CCIS, 2018 (To appear).
7. S. Dasgupta and P. Dutta, "A theoretical framework of lifetime prediction of Wireless Sensor Networks", in proceedings of the 52nd Annual Convention of the Computer Society of India (CSI 2017), Springer CCIS, 2018 (To appear).
8. A. Sufian, A. Banerjee and P. Dutta, "FSNRP: Fuzzy-controlled Priority Scheduling of Non-Real Time Data Packets in Mobile Ad-hoc Networks", in proceedings of the 11th IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS 2017), 2017 (To appear in IEEE Xplore).

Book Chapters:

1. A. Sufian, A Banerjee and P. Dutta, "Survey of Various Real and Non-real-time Scheduling Algorithms in Mobile Ad hoc Networks", pp. 121 - 133, Industry Interactive Innovations in Science, Engineering and Technology, Springer Lecture Notes in Networks and Systems Book Series (LNNS, Vol. 11) 2017.
2. S. De, S. Das, S. Bhattacharyya and P. Dutta, (eds. S. Bhattacharyya, I. Pan, A. Mukherjee and P. Dutta),. "Multilevel Image Segmentation using Modified Genetic Algorithm (MfGA)-based Fuzzy C-Means", in Hybrid Intelligence for Image Analysis and Understanding, pp. 1-22,

John Wiley, UK, ISBN: 978-1-1192-4292-5, 2017.

3. A. RoyChowdhury, J. Hazra and P. Dutta, (eds. S. Bhattacharyya, I. Pan, A. Mukherjee and P. Dutta), "A Hybrid Approach for Band Selection of Hyperspectral Images", in Hybrid Intelligence for Image Analysis and Understanding, pp. 263-282, John Wiley, UK, ISBN: 978-1-1192-4292-5, 2017.

Prof. Balam Bhattacharyya

Journal:

1. Arnab Sadhu and Balam Bhattacharyya, "Common subcluster mining in microarray data for molecular biomarker discovery". September 2017, Interdisciplinary Sciences: Computational Life Sciences, pages 1-12, DOI 10.1007/s12539-017-0262-3.

Conference:

1. UddalakMitra and Balam Bhattacharyya, "Classification of Vector-Borne Virus Through Totally Ordered Set of Dinucleotide Interval Patterns", Pattern Recognition and Machine Intelligence: 7th International Conference, PReMI 2017, Kolkata, India, December 5-8, 2017, Springer LNCS series. DOI 10.1007/978-3-319-69900-4_51.
2. UddalakMitra and Balam Bhattacharyya, "Peptide poset mining for antiviral target regions in Human Rhinovirus", Ninth International Conference on Advances in Pattern Recognition, (ICAPR-2017) December 27-30, 2017. Systems Science and Informatics Unit, Indian Statistical Institute, Bangalore. In press (IEEE Xplore)
3. Arnab Sadhu and Balam Bhattacharyya, "Phenotype Interweaved Network of Genes using Rough Set", 2018, In Proceedings of the International Conference on Computing and Communication Systems (pp. 811-819). Springer, Singapore.
4. UddalakMitra and Balam Bhattacharyya, "Classification of dsDNA Virus Through Sequence Patterns." In Proceedings of the International Conference on Computing and Communication Systems, pp. 781-790. Springer, Singapore, 2018.

Prof. Utpal Roy

Journal:

1. S. Roy, U. Roy, D.D. Sinha, "ACO-Random Forest Approach to Protect the Kids from Internet Threats through Keystroke", International Journal of Engineering and Technology, Vol 9 No 3S July, 2017 ISSN 0975-4024 (UGC Approved), 2017.
2. Modified AODV with double ended queue(dqAODV) with reduced overhead , SoumenSaha, Utpal Roy, DevaduttaSinha : Advances in Wireless and Mobile Communications. , Volume 10, Number 5, pp. 1081-1095, 2017.
3. S.Banerjee,Dr U. Roy, "Mixed model routing for VANET to handle city road and rural areas",2018 IJCRT | Volume 6, Issue 1 February 2018 | ISSN: 2320-2882,page:1282-1288

Conference:

1. S. Roy, U. Roy, D.D. Sinha, "Identifying Soft Biometric Traits through Typing Pattern on Touchscreen Phone," Proceedings of Social Transformation-Digital Way CSI 2017, Kolkata.CCIS Springer Series, 2018. (Accepted).
2. S. Roy, U. Roy, D.D. Sinha, "Typing Pattern in Identifying Soft Biometric Information and Its Impact in User Recognition", Proceedings of Information Technology and Applied Mathematics

- ICITAM 2017, Haldia. Advances in Intelligent Systems and Computing, ISSN 2194-5357, Springer, March, 2018. (Accepted)
3. S. Roy, U. Roy, D.D. Sinha, "Protection of Kids from Internet Threats: A Machine Learning Approach for Classification of Age-group Based on Typing Pattern ", Proceedings of the International Multi Conference of Engineers and Computer Scientists 2018 Vol I, IMECS 2018, March 14-16, 2018, Hong Kong, ISBN: 978-988-14047-8-7.
 4. Re-broadcast AODV(reAODV) Based Routing Protocol Modification Over AODV For VANET In City Scenario by SoumenSaha, Utpal Roy, DevaduttaSinha at ICITAM2017 at Haldia. An International Journal of Natural Computing Research (IJNCR) ISSN (online) 2319-7064(DBLP indexed), Jan 2018.
 5. S. Roy, U. Roy, D.D. Sinha, "Efficacy of Typing Pattern Analysis in Identifying Soft Biometric Information and Its Impact in User Recognition". In: Battiato S., Farinella G., Leo M., Gallo G. (eds) New Trends in Image Analysis and Processing - ICIAP 2017. ICIAP 2017, Catania, Italy, 11-15 Sep, 2017 . Lecture Notes in Computer Science, vol 10590. Pp320-330, Springer, Cham, 2017, ISBN: 978-3-319-70741-9.

Book Chapter:

1. Internet of Things (IOT) Technologies, Applications, Challenges and Solutions, CRC Press Taylor & Francis Group, Boca Raton, FL 33487-2742, Chapter 6, ISBN: 978-1-138-03500-3, 2017.S. Roy, U. Roy, D.D. Sinha, "User Authentication: Keystroke Dynamics with Soft Biometric Features",

Ms. Kakali Datta

Journal

1. K. Datta, D. Mukhopadhyay and P. Dutta. "Comprehensive Design and Analysis of Gray Code Counters using 2-dimensional 2-dot 1-electron QCA". Microsystem Technologies, Springer Berlin Heidelberg, <https://doi.org/10.1007/s00542-018-3818-1>, Print ISSN0946-7076, Online ISSN1432-1858, pages 1-19, 2018.

Conference

1. SunandaMondal, MiliGhosh, KakaliDatta, DebarkaMukhopadhyay and ParamarthaDutta. "A design and application case study of binary semaphore using 2 Dimensional 2 dot 1 electron Quantum Dot Cellular Automata" in the proceedings of 52nd Annual Convention of Computer Society of India (CSI 2017) will be held at Science City, Kolkata during 19th January to 21st January 201.
2. KakaliDatta, DebarkaMukhopadhyay and ParamarthaDutta. "Comprehensive Study on the Performance Comparison of Logically Reversible and Irreversible Parity Generator and Checker Designs using Two-dimensional Two-dot One-electron QCA". Microsystem Technologies, Springer Berlin Heidelberg, pages 1-9, DOI: 10.1007/ s00542-017-3445-2, Print ISSN 0946-7076, Online ISSN 1432-1858, 2017.

Mr. Subhasis Banerjee:

Journal:

1. S.Banerjee,Dr U. Roy, "Mixed model routing for VANET to handle city road and rural areas",2018 IJCRT | Volume 6, Issue 1 February 2018 | ISSN: 2320-2882,page:1282-1288

Mr. Debaditya Barman

Conference:

1. Barman, D., &Chowdhury, N. (2018). "A Nonnegative Matrix Factorization Based Approach to Extract Aspects from Product Reviews."In *Advanced Computational and Communication Paradigms* (pp. 255-266). Springer, Singapore.
2. Sarkar, R.,Barman, D., &Chowdhury, N. "To Detect the Influencers in a Dynamic Co-authorship Network using Heat-Diffusion Model" in proceedings of the International Conference on Advanced Computational and Communication Paradigms (ICACCP 2017), Sikkim Manipal Institute of Technology, Rongpo, Sikkim, India, Springer, 2017 (To appear).

Designing New Course / Curriculum or any other teaching innovations introduced by the Department:
Department has designed the syllabus of proposed M.Tech. in Computer Science.

DEPARTMENT OF ENVIRONMENTAL STUDIES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE examination:

Sl. No.	Name of the Student	Qualifying examination
1	Ruby Sarkar	UGC (LS)
2	Subhajit Sarkar	UGC (LS)

Departmental Seminar:

The Department organized the following seminar:

Sl. No.	Name of the Speaker	Title	Date
1	Prof. Soumya Chakraborty, Emeritus Professor, CSU, Pomona, USA	Gravity Waves	6th November 2017
2	Mr. Arunendu Banerjee, Environmental Designer, Kolkata	Water Scarcity	2nd February, 2018
3	Prof. Dawn Bazley, University of Toronto, Canada	Arctic Biodiversity	2nd February, 2018
4	Prof. Dawn Bazley, University of Toronto, Canada	Strategies to improve power point presentation	12th February 2018
5	Prof. Dilik Kumar Das, BCKV, Kalyani	Soil Health: An imperative for efficient nutrient management	5th March 2018
6	Prof. Dawn Bazley, University of Toronto, Canada	MINI ADA LOVELACE DAY WORKSHOP - editing and creating Wikipedia pages.	20th March, 2018

Besides, there are about 30 seminar presentations from Ph.D. scholars and M.Sc. students of the department during the last one year.

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail

Shibani Chaudhury

1. Shibani Chaudhury: Resource person : Topic: Tagore , Environment and Community development.

- International Seminar on Rabindranath Tagore on Co-Operative Society and Community Development, organized by Visva-Bharati Co-Operative Credit Society Ltd and Department of Life Long Learning and Extension (REC) , Visva-Bharati, August 18- 19, 2017.
2. ShibaniChaudhury: Invited Lecture (Tagore, Education and Environment) on " VanBhoj, Shiksha and Rabindranath Tagore" organized by Tagore Institute of Art & Education, Banavila, Daranda, Birbhum, December 7, 2017.
 3. ShibaniChaudhury: Resource Person"Alternative Energy: Integration of Biomass energy and Solar energy" at the Refresher Course on Wither School in Environmental Science & Earth Science organised by The University of Burdwan , Burdwan, 10.30a.m. -12.00 noon, February 1, 2018
 4. ShibaniChaudhury: Resource Person"Bioindicators Predict Climate Change"at the Refresher Course on Wither School in Environmental Science & Earth Science organised by The University of Burdwan , Burdwan, 2.15 p.m. -3.45 p.m., February 1, 2018
 5. ShibaniChaudhury: Participated in Panel Discussion International Interdisciplinary Conference on Road Map for the Development of Eco-Tourism in and around Santiniketan&Birbhum, 23-25 March, 2018

Pratap Kumar Padhy

1. Padhy, P. K. (2017). Participated the National Seminar on "RastriyaSamgosthi: Sahitya, SanskritiebomVigyan" organized by Hindi VigyanSahityaParishad' (HVSP) of Bhabha Atomic Research Centre (BARC), Trombay, Mumbai in association with Visva-Bharati, during 17-18 November 2017.
2. Majee, C. K., Mondal, S. and Padhy, P. K. (2017). Effects of air pollution on MoringaoleiferaLam., a medicinal plant: A comparative study between Durgapur and Santiniketan, West Bengal, India. National seminar on Environmental Pollution, Biodiversity Conservation and Climate Change: Issues and Challenges. Organised by Department of Environmental Science and Department of Zoology, Nistarini College, Purulia, W.B., India in association with Scientific and Environmental Research Institute, Kolkata, during 8-9th September, 2017.
3. Majee, C. K. and Padhy, P. K. (2017). Impact of atmospheric dust on Morphology of Kalmegh (Andrographispaniculata): King of bitters. 2nd Regional Science and Technology Congress (Western Region), 2017. Organised by The University of Burdwan, Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, during 16-17th November, 2017.
4. Nayek, S. and Padhy, P. K. (2017). Daily personal exposure to inhalable particulates during cooking with solid bio-fuels in a poor rural Indian community. Third International Conference on "Mother Earth: Environmental Crisis & Sustainable Strategies". Organised by Department of Environmental Science, The University of Burdwan, Burdwan during 11-13th January, 2018.
5. Chowdhury, M., Ghosh, S. and Padhy, P. K. (2017). Seasonal variation of ambient particulate matter and heavy metals at a semi urban area of Bolpur, West Bengal. 2nd Regional Science and Technology Congress (Western Region), 2017. Organised by The University of Burdwan, Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, during 16-17th November, 2017.

6. Karmakar, D. and Padhy, P. K. (2017). Measurement of carbon sequestration potential of some dominant tree species at Barjora forest for the development of shelter belt at Barjora, Bankura. National seminar on Environmental Pollution, Biodiversity Conservation and Climate Change: Issues and Challenges. Organised by Department of Environmental Science and Department of Zoology, Nistarini College, Purulia, W.B., India in association with Scientific and Environmental Research Institute, Kolkata, during 8-9th September, 2017.
7. Ghosh, S., Rabha, R., Chowdhury, M. and Padhy, P. K. (2017). Predicted equations of the pulmonary function of school going children using spirometry Data. 2nd Regional Science and Technology Congress (Western Region), 2017. Organized by The University of Burdwan, Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, during 16-17th November, 2017.
8. DeepaKumari, Mazumdar, P., Padhy, P. K. and Jaehong Shim (2017). Simultaneous removal of Cong red and Cr (VI) in aqueous solution by using Mn powder extracted from battery waste solution Oral presentation in the International Symposium on Sustainable Urban Environment. Organized by Tezpur University, Assam, India, during 23-24th June 2017.
9. DeepaKumari, Padhy, P. K., Begum, N. A. and Kumar, M. (2018). Application of dried plant biomass as novel biosorbent for removal of cadmium and lead from aqueous solution. Poster presented in National Symposium on Recent Advances in Chemistry Research. Organized by Department of Chemistry, Visva-Bharati, Santiniketan, on 11th March 2018.
10. DeepaKumari, Padhy, P. K., Begum, N. A. and Kumar, M. (2018). Removal of cadmium from natural water systems by using Burmese grape leaf extract, a natural biosorbent. Poster presented in the National Conference on Frontier Areas of Research and Applications using Electron Microscopy. Organized by SikshaBahavana, Visva-Bharati and PalliSikshaBhavana, Visva-Bharati, Santiniketan, on 16th March 2018.

Pulak Kumar Patra

1. Invited Speaker in the Indian Meteorological Society, Kolkata chapter lecture session on "Ozone and its importance" held in Regional Meteorological Centre, Alipore, Kolkata on 18-09-2017.
2. Participant in the National Seminar on "RastriyaSamgosthi: Sahitya, SanskritieBomVighyan" organized by Hindi VigyanSahityaParishad' (HVSP) of Bhabha Atomic Research Centre (BARC), Trombay, Mumbai in association with Visva-Bharati, during 17-18 November 2017.
3. Invited Speaker in the National Seminar on "Beach Erosion & Anthropogenic exploitation at coastal line of Odisha and its effect on Olive riddley sea Turtle, Irrawaddy Dolphin & Fish population and measures for conservation" organised by Aabahan, a leading NGO in collaboration with Dept. of Zoology, Berhampur University on 29th -30th , March, 2018.

S. Balachandran

1. S. Balachandran, Paper presented entitled "Health hazards of open refuse burning", in National Seminar on waste Management of local self government (Municipalities and Panchayats) Organised by PalliSamgathanaVibhaga (PSV) and Institution of Public Health Engineers (IPHE) 16-17 March 2018 , Sriniketan, Visva-Bharati.
2. BuddhadebGhosh, Koyeli Das, NabanitaChakraborty, IndranilBhui, ShibaniChaudhury,

SrivinasanBalachandran , Poster presentation "Management of kitchen waste through various application: An approach" in National Seminar on waste Management of local self government (Municipalities and Panchayats) Organised by PalliSamgathanaVibhaga (PSV) and Institution of Public Health Engineers (IPHE) 16-17 March 2018 , Sriniketan, Visva-Bharati.

3. Dipti Thakur, AmanBasu, ParulKuiry, KakaliKuiri, Soma Mondal, SammaKhatun, TulikaSaha, DebasmitaBehra and S. Balachandran, Poster presentation "Integration of waste management sectors of university: Creating an efficient waste segregation, collection system for viable waste management." in National Seminar on waste Management of local self government (Municipalities and Panchayats) Organised by PalliSamgathanaVibhaga (PSV) and Institution of Public Health Engineers (IPHE) 16-17 March 2018 , Sriniketan, Visva-Bharati.

Ongoing Research Projects in the Departments:

Shibani Chaudhury

- a) Name of the Project: Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge :BioCPV.

A research project under the Indo-UK Collaborative Research Initiative on Bridging the Urban and the Rural Divide. (BURD) (2012-2017)

Sponsoring agency:DST, New Delhi (Indian Side)

Amount Sanctioned:Rs.5,57,17,125/- of which amount for Visva-Bharati is Rs.2,26,70.325/-. ShibaniChaudhury (PI), Prof. A. Hazra (Co-PI) and Dr. S. Balachandran (Co-PI). The other Co-PIs are from IITM and IITB.

- b) Name of the Project Enhancement & securing Women and Child Health through Capacity Building and Technological Advancement.

Sponsoring Agency: DST (SEED) 2015-2018.

Amount Sanctioned : 34 lakhs, Sujit K. Paul (PI) and ShibaniChaudhury (Co-PI)

S. Balachandran

- a) Name of the Project: Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge :BioCPV.

A research project under the Indo-UK Collaborative Research Initiative on Bridging the Urban and the Rural Divide (BURD).

Sponsoring agency:DST, New Delhi (Indian Side)

Amount Sanctioned:Rs.5,57,17,125/- of which amount for Visva-Bharati is Rs.2,26,70.325/-. Prof. ShibaniChaudhury (PI), Prof. A. Hazra (Co-PI) and Dr. S. Balachandran (Co-PI). The other Co-PIs are from IITM and IITB

Extension activities/NSS/cultural and other activities organized by the department and participated by the teachers and students of the department

The DES observed the Earth Day on April 22, 2017 by organising an Awareness Rally in the Visva-Bharati campus, involving students, scholars and faculty members of various departments of university.

The M.Sc. students, research scholars and faculty members of Department of Environmental Studies (DES) were actively involved in the Environmental Awareness Campaign in the PoushMela 2017. During this six days programme, the students and faculty members of DES monitored various environmental quality parameters (air and noise) of the Mela ground and its adjoining area. The Environment Cell, Visva-Bharati carried out procession in the Mela ground to create awareness of menace of plastic carry bags & plastic cups during PoushMela. Famous Environmental Activist, Mr.SubhasDatta also took part in the Awareness Camp and also interacted with the students, scholars and the faculty members. Painting and Slogan competitions were also held. The response for these competitions from the general public including housewives was encouraging. The local tribal community also volunteered in this programme and sold their eco-friendly goods from the stall.

ShibaniChaudhury

1. ShibaniChaudhury: Expert for the Technical Session on Environmental Science in the 25th WB State Science & Technology Congress organized by the Department of Higher Education, Science and Technology and Biotechnology, Government of WB, 4-5 March, 2018
2. ShibaniChaudhury: Chairperson at the lectures delivered by Professor Dawn Bazely, University Professor, York University, Toronto, Canada organized by Center for Women Studies, Visva-Bharati, March 17, 2018.
3. ShibaniChaudhury: Chairperson for Plenary Session at the 3rd International Conference on Mother Earth: Environmental Crisis & Sustainable Strategies organized by Department of Environmental Studies, The University of Burdwan, Burdwan, 11-13, January 2018.

Pratap Kumar Padhy

1. Invited for chairing a Technical Session in the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats), Organized by PSV, Visva-Bharti, Santiniketan and IPHE, Indiaduring 16-17th March 2018.

Pulak Kumar Patra

1. Invited for Co-Chairing a Technical Session in the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats), Organized by PSV, Visva-Bharti, Santiniketan and IPHE, India during 16-17th March 2018.

S. Balachandran

1. Joint organising secretary in National Seminar on waste Management of local self government (Municipalities and Panchayats) Organised by PalliSamgathanaVibhaga (PSV) and Institution of Public Health Engineers (IPHE) 16-17 March 2018, Sriniketan, Visva-Bharati.

Publications within the year April 2017-March 2018:

Shibani Chaudhury

1. SurajGhosh, ShibaniChaudhury, Kumar Manoj , July 2017 , An Appraisal of the Mayurakshi River System Water Quality - the Agrarian Basin, SSRG International Journal of Agriculture & Environmental Science (SSRG - IJAES), V4(4),53-59. ISSN:2394 - 2568, DOI-10.14445/23942568/IJAES-V4I4P109

2. S. Balachandran and ShibaniChaudhury, Indian Energy Scenario: Prospects and Constrains, August 2017 In India's Development Juggernaut, 342-362 , Edited by NareshChaturvedi ISBN.978-81-8097-284-3 , Published by SahityaSangam Allahabad, India.
3. DebasreeSinha and ShibaniChaudhury, Cellulose fermentation: The Microbial way (a brief review) In Environica (Vol-2) 55-67, January 2018, ISBN : 978-93-84106-97-3, Published by Levant Books, India and Department of Environmental Studies, The Univ. of Burdwan, Burdwan, India.

Pratap Kumar Padhy

1. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.) (2017). Emerging Issues in Environmental Science: Concerns and Management, New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 234.
2. Rout, T. K., Padhy, P. K. and Masto, R. E. (2017). Human Exposure Risks of Potentially Toxic Elements in the Dust: A Comparison Between Residential and Commercial Sites of a Coal Mining Town. In: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 91-112.
3. Goswami, R., Padhy, P. K. and Mazumder, S. (2017). Bacterial Arsenic Resistance Mechanisms: New Insights. In: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 187-193.
4. Manoj, K. and Padhy, P. K. (2017). Canal-Top Solar Power Plants in Gujarat (India): An Innovative Way to Harness Renewable Energy. In: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 211-219.
5. Nayek, S. and Padhy, P. K. (2018). Approximation of personal exposure to fine particulate matters (PM2.5) during cooking using solid biomass fuels in the kitchens of rural West Bengal, India. Environmental Science and Pollution Research (in press). DOI: 10.1007/s11356-018-1831-7.
6. Rabha, R., Ghosh, S. and Padhy, P. K. (2018). Effects of biomass burning on pulmonary functions in tribal women in North-Eastern India. Women and Health (in press). DOI: 10.1080/03630242.2018.1452834.
7. Ghosh, S., Rabha, R., Chowdhury, M. and Padhy, P. K. (2017). Seasonal Trends and Correlation of Criteria Pollutants and Heavy Metals in Ambient Air of Bolpur (Semi Urban), India. International Journal for Research in Applied Science & Engineering Technology, 5 (8), 1490-1498.

Pulak Kumar Patra

1. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.) (2017). Emerging Issues in Environmental Science: Concerns and Management, New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 234.
2. P.K. Patra, 2018, Environmental Studies, Studera Press, Delhi, 390p.ISBN-9789385883118

3. S. Chakrabarti, P.K. Patra, B. Mandal, 2017 Phytotoxicity effects of fluoride on crop plants: a review. *Asian Journal of Biological and Life Sciences* vol. 6 p.414-419.
4. S. Chakrabarti, P.K. Patra, 2017 Hydrochemical analysis of ground water of Rampurhat-II block, Birbhum district, West Bengal, India, *Rasayan Journal of Chemistry* v.10: pp1424-1430.
5. P. Pati and P.K. Patra, 2017 Benthic foraminiferal assemblage as pollution proxies in nearshore environment of East Coast of India (In) *Emerging Issues in Environmental Science: Concerns and Management* (eds. P.K. Padhy, P.K. Patra and U.K. Singh) New Delhi Publishers, New Delhi p.321-330. ISBN: 978-93-85503771. pp.169-176.
6. M. Hossain and P. K. Patra, 2017 Pre And Post Monsoon Variation in Physico-Chemical Characteristics of Ground Water: A Study From Bolpur Block, Birbhum District, West Bengal (In) *Emerging Issues in Environmental Science: Concerns and Management* (eds. P.K. Padhy, P.K. Patra and U.K. Singh) New Delhi Publishers, New Delhi p.321-330. ISBN: 978-93-85503771. pp.177-186.
7. P. K. Patra 2017 Environmental Value Education: A Key to Sustainable Development (In) 'Environmental Education in India: through ages' (eds. J. Mete and S. Ghosh), New Delhi Publishers, New Delhi p.321-330. ISBN: 978-93-81274-78-1
8. A K Patra and P K Patra and R K Patra. 2017. Climate change and Indian Agriculture. (In) 'Water Resources: Mapping, Monitoring and Management'. (eds., P K Tyagi, A Chauhan and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 152-166. (ISBN 978-93-5056-861-3)
9. A K Patra and PK Patra. 2017. Evapotranspiration and Crop Production. (In) 'Farming Techniques and Crop Production' (eds., A Chauhan, A Sharma and J Ray). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 123-140. (ISBN 978-93-5056-855-2)
10. A.K. Patra and P. K. Patra. 2017. Hydro-meteorological hazards and Indian agriculture. (In) 'Water resources management: monitoring and assessment' (eds., S. Gupta and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 87-107. (ISBN 978-93-5056-799-9).

S. Balachandran

1. P Bhuyan, P Deka, A Prakash, S Balachandran, RR Hoque (2018) Chemical characterization and source apportionment of aerosol over mid Brahmaputra Valley, India, *Environmental Pollution* 234, 997-1010
2. M Gope, RE Masto, J George, S Balachandran (2018) Exposure and cancer risk assessment of polycyclic aromatic hydrocarbons (PAHs) in the street dust of Asansol city, India, *Sustainable Cities and Society* 38, 616-626
3. M Gope, RE Masto, J George, S Balachandran (2018) Tracing source, distribution and health risk of potentially harmful elements (PHEs) in street dust of Durgapur, India, *Ecotoxicology and Environmental Safety* 154, 280-293
4. Nibha Mishra, Mahua Basu, S. Balachandran, Xavier Savarimuthu, Arijit Basu (2017) Enzymatic Targets For Drug Discovery Against Alzheimer's Disease, In book: *Advances in Studies on Enzyme Inhibitors as Drugs. Volume 2: Miscellaneous Drugs, Chapter: Enzymatic Targets for Drug Discovery Against Alzheimer's Disease*, 31-50, Publisher: Nova Science publication, Editors: Satya P. Gupta

5. Karishma Hussain, Raza R. Hoque, Srinivasan Balachandran, Subhash Medhi, Mohammad Ghaznavi Idris, Mirzanur Rahman, and Farhaz Liaquat Hussain (2018) Monitoring and Risk Analysis of PAHs in the Environment, Springer International Publishing AG 2018 C. M. Hussain (ed.), Handbook of Environmental Materials Management, https://doi.org/10.1007/978-3-319-58538-3_29-2
6. S. Balachandran and Shibani Chaudhury, Indian Energy Scenario: Prospects and Constraints, August 2017 In India's Development Juggernaut, 342-362, Edited by Naresh Chaturvedi ISBN.978-81-8097-284-3, Published by Sahitya Sangam Allahabad, India

A brief history of the development of the Bhavana/Sadana/Vibhaga concerned with an indication of future plans for development:

The Department of Environmental Studies (DES), Siksha Bhavana, Visva-Bharati was established in 1999 during the IXth Plan period as the Centre for Environmental Studies. The Centre became a Department in the year 2012. The Department provides new dimensions in the various fields of environment with an interdisciplinary approach. It also highlights the distinguishing features of culture, tradition and ethos of Rabindranath Tagore regarding thorough global perspective and trends. The Department started its academic curriculum from the session 2000-2001, with the teaching of compulsory course in environmental studies for all second year undergraduate students of the university. The Department introduced M.Sc. and Ph.D course in Environmental Sciences from 2003 and started M. Sc. Course in Environmental Science from the session 2003-04. The faculty members of the Department are doing research work on different aspects of environment. During the year 2014-15, the department has got the DST-FIST sanction grant of Rs. 1.0 crore and some sophisticated instruments have been procured out of the FIST grant (1st installment) already and the department will develop good infrastructure for quality research, in different fields of environment. One of its founding objectives has been to act as a Nodal Department in the Eastern India, in the field of Environmental Studies.

Any other relevant information:

The faculty members of DES actively participate in environmental awareness programme in and around Santiniketan - Sriniketan - Bolpur areas. Resource persons are invited to the Department to help the students in different environmental activities.

DEPARTMENT OF BIOTECHNOLOGY

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:

Prerna Bali (2014-16)	- NET-2017, GATE 2017
SaheliKundu (2014-16)	- NET-2017
Chandan Kumar Verma (2015-17)	- GATE-2018
Ravi Kumar (2015-17)	- GATE-2018
SupriyaSumanKeshary - (2015-17)	- NET-LS 2017, GATE-2018
Saikat De (2015-17)	- NET CSIR 2017 (Rank 43), GATE 2017
ShreetamaKundu (2016-18)	- GATE 2018
MadhuriSil (2016-18)	- GATE 2018

Deaprtmental seminar (Speakers, title of the seminar, date)

Sl. No.	Date	Name of the Speaker	Title
1	15.09.2017	Prof. Adinpunya Mitra, IIT, Kharagpur	Insight into the Biology of scent volatiles emission in a few evening blooming tropical flowers cultivated in West Bengal
2	31.10.2017	Prof. Gabor Galiba, Div. of Plant Molecular Biology, Inst. Of Agricultural Research, Hungary Academy of Science.	The regulation of Light dependent frost tolerance in wheat
3	31.10.2017	Dr. Gabor Kosby, Div. of Plant Molecular Biology, Inst. Of Agricultural Research, Hungary Academy of Science.	Redox regulation in wheat under stress.
4	31.10.2017	Dr. Sushil Kumar Sahu, Post Doc fellow, Johns Hopkins University, USA	Discovery of tools to modify the rate of uracilated HIV DNA in Macrophages
5	12.01.2018	Dr. Sankar Bhattacharya, Dept. of Zoology, SidhoKanhu University, WB.	Changing perspective in Immunology and unresolved question

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by the Teachers/Research Scholars in details:

Prof. S.P. Adhikary

- (i) Invited lecture in the seminar on Climate change: impact on aquatic environment and fish health, 6th Sept. 2017, Central Institute for Freshwater Aquaculture, Bhubaneswar.

- (ii) Invited lecture in the annual conference of Indian Botanical Society, 15&16 Sept. 2017, Punjabi University, Patiala, Punjab.
- (iii) Invited lecture in the seminar of Hindi BigyanSahityaParishad, Bhabha Atomic Research Centre held in Institute of Agriculture, Visva-Bharati, 17th and 18th Nov. 2017.
- (iv) Invited lecture in the National seminar on Emerging Trends in Biotechnology and crop improvement at Rama Devi Womens' University, Bhubaneswar, 21 & 22 November 2017.
- (v) Invited lecture on in-service rules and code of conduct of Teachers and inaugurating the Training programme for newly appointed college teachers in Govt. of Odisha at Berhampur University on 15th Jan. 2018.
- (vi) Invited lecture in the workshop on "Recent advances in Cryptogamic Botany" at University of Calcutta on 7th February 2018.
- (vii) Invited lecture in the International workshop on Biodiversity and climate change at IIT, Kharagpur on 24 to 27 February 2018.

Dr. Tathagata Choudhuri

- (i) Invited lecturer on the topic "NM23-H1 INDUCES APOPTOSIS VIA INHIBITION OF NF-KB SIGNALLING THROUGH INTERACTION WITH VFLIP K13" at the National conference of 10th Young Investigators Meeting 2018 in Thiruvananthapuram on 5th -9th march, 2018.

Dr. Jolly Basak

- (i) Invited lecture on the topic "Identification and characterization of Phaseolus vulgaris microRNAs differentially expressed under MYMIV infection" at the International Symposium on "Translating Genes and Genomes" held at IICB Kolkata on 29.1.18.
- (ii) Attended and presented paper in an International Symposium "Genome 10K and Genome Science Conference held at Earlham Institute, Norwich, UK from 29/08/2017 - 01/09/2017.

Dr. Narottam Dey

- (i) Attended and presented paper in an International Symposium on Rice Functional Genomics (ISRFG-2017) which was held from 24th to 28th September, 2017 at Suwon, South Korea.
- (ii) Attended and presented paper in Next Gen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference 2017 which was held from 2nd October to 4th October, 2017 in Bhubaneswar, Odisha.
- (iii) Attended and presented paper in an International Symposium on Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience which was held from 6th to 9th February, 2018 at ICAR-NRRI, Cuttack, Odisha.
- (iv) Attended and presented paper in a National Seminar on Advent of Biotechnology in Life Processes (NSABLP-2018) which was held from 22nd March to 23rd March, 2018 at Department of Biotechnology, The University of Burdwan, West Bengal.

Research scholars

- (i) Three research Scholars - Subhrajit Ganguly, Arijit Kr. Ghosh, Nilanjana Das. Working under the guidance of Dr. Samiran Saha attended the National Conference on Frontier Areas of Research and Applications using Electron Microscopy, March 16, 2018, organized by Shiksha Bhavana and Palli Siksha Bhavana Visva-Bharati.

- (ii) Pratyasha Samanta working under the guidance of Dr. Narottam Dey presented two posters entitled "Molecular and physiological study of deep water rice" and "Molecular and physiological study of deep water rice" in a National symposium 'Towards climate smart agriculture - A key to livelihood security' in a National symposium 'Towards climate smart agriculture - A key to livelihood security' entitled" at Institute of agricultural science, Calcutta university on 9th to 11th December, 2017.
- (iii) Sayani Goswami working presented poster entitled "Study of Submergence 1A in selected landraces: a molecular and bioinformatical approach" in a National symposium 'Towards climate smart agriculture - A key to livelihood security' entitled" at Institute of agricultural science, Calcutta university on 9th to 11th December, 2017.
- (iv) Soumya Prakash Das under the guidance of Dr. Narottam Dey presented a poster entitled "Morphological, Genetic and Molecular Study of Multiple Kernelled Rice (*Oryza sativa* L)" in a National symposium 'Towards climate smart agriculture - A key to livelihood security' entitled" at Institute of agricultural science, Calcutta university on 9th to 11th December, 2017.
- (v) Soumya Prakash Das under the guidance of Dr. Narottam Dey presented a poster entitled "Detail computational study of MIKC-type-II MADS-box transcriptional factors involved in Floral Organ Development in Rice, Maize and Sorghum " in a seminar "Breaking Barriers through Bioinformatics & Computational Biology" at IIT, Delhi on July 31st to 1st August, 2017.
- (vi) Chakraborty N and Basak J: "Mungbean yellow mosaic India virus infection highlights the differential response of viral genes in resistance/susceptibility in Vignamungo at International symposium on Plant Biotechnology for Crop Improvement, IIT Guwahati, 20th - 21st January, 2017.
- (vii) Padmalochan Hembram and Basak J: "Identification and characterisation of differentially expressed salinity stress responsive transcripts in *Phaseolus vulgaris* (L.) cv. S-9" at International symposium on Plant Biotechnology for Crop Improvement, IIT Guwahati, 20th - 21st January, 2017.
- (viii) Chakraborty N and Basak J: "Transcriptome Profiling of Vignamungo upon Mungbean Yellow Mosaic India Virus Infection" at the 38th Annual Meeting of the Plant Tissue Culture Association (India) and National symposium, 'Plant Biotechnology: Current perspectives on medicinal and crop plants' at CSIR IICB, Kolkata, 3rd-5th March, 2017.
- (ix) Nisha Patwa and Basak J: "Identification and characterization of *Phaseolus vulgaris* micro RNAs under Mungbean yellow mosaic India virus infection" at the 38th Annual Meeting of the Plant Tissue Culture Association (India) and National symposium, 'Plant Biotechnology: Current perspectives on medicinal and crop plants' at CSIR IICB, Kolkata, 3rd-5th March, 2017.
- (x) Sonali Bej and Basak J: "Salinity stress induced variation in cytosine methylation in French Bean (*Phaseolus vulgaris* L.)" at the 38th Annual Meeting of the Plant Tissue Culture Association (India) and National symposium, 'Plant Biotechnology: Current perspectives on medicinal and crop plants' at CSIR IICB, Kolkata, 3rd-5th March, 2017.
- (xi) Sk. Md. Nasim and Jolly Basak. "Genome-wide epigenetic studies in *Phaseolus vulgaris* L. during MYMIV infection". International Conference on "Frontiers in Biological, Environmental and Medical Sciences" held from 08-10th March, 2018. Organized by, The University of Burdwan, West Bengal, India.
- (xii) Alfred Besra and Jolly Basak. "Standardization of In planta transformation in *Phaseolus vulgaris*".

International Conference on "Frontiers in Biological, Environmental and Medical Sciences" held from 08-10th March, 2018. Organized by the The University of Burdwan, Burdwan, West Bengal, India.

Ongoing research projects in the Department:

- (i) Name of the teacher: **Dr. Tathagata Choudhuri (PI)**
- (ii) Name of the Project: KSHV induced primary effusive Lymphoma and interaction with Nm 23-H1
- (iii) Sponsoring agencies:UGC (2015-2018)
- (iv) Amount sanctioned: 10,66,000/-
- (i) Name of the teacher: **Dr. Jolly Basak (PI)**
- ii) Name of the Project: "Identification and characterization of Phaseolus vulgaris long non-coding RNAs responsive to mungbean yellow mosaic india virus infection."
- iii) Sponsoring agencies: CSIR , Govt. of India
- iv) Amount sanction: Rs. 31Lacs
- i. Name of the teacher: **Dr. Narottam Dey (PI)**
- ii. Name of the project: Genetic improvement and popularization of KomalChawl-a potential rice preparation for soldiers posted in remote places
- (iii) Sponsoring agents: Life Science Research Board (DRDO, Govt. of India)
- (iv) Amount sanctioned: 26,34,688/-
- i. Name of the Teacher: **Dr. Narottam Dey (PI)**
- ii. Name of the project: Development of SNP and miRNA based functional markers for abiotic stress (drought, salinity and submergence) tolerance among selected West Bengal rice land races.
- (iii) Sponsoring agents: DST, Govt. of India
- (iv) Amount sanctioned: 11,99,800/-
- (i) Name of the teacher: **Dr. Samiran Saha (PI)**
- ii) Name of the Project: 'Chemotherapeutic efficacy of Theaflavins on cancer cells through induction of autophagic cell death'
- iii) Sponsoring agencies: DBT , Govt. of India
- iv) Amount sanction: Rs. 25 lakh.
- (i) Name of the teacher: **Dr. Tathagata Choudhuri & Dr. SamiranSaha (Co-Investigators)**
- (ii) Name of the Project: Medicinal plants - All India coordinated project of ICAR (PI at NERC, ICAR, Barapani, Meghalaya)
- (iii) Sponsoring agencies: ICAR (2015-2018)
- (iv) Amount sanctioned: 23,20,000/-
- (i) Name of the teacher: **Dr. Narottam Dey (Co-Investigator)**
- (ii) Name of the project: Responses of crop plants (rice and wheat) to combination of light and drought stresses
- (iii) Sponsoring agencies: DST, Govt. of India

(iv) Amount sanctioned: Rs. 31, 56,000/-

Extention activities/NSS/ Cultural and other activities organised by the Department and participated by Teachers and students of the Department:

- (i) Fresher's Welcome - 23rd Aug, 2017
- (ii) Teachers' Day celebration - 5th Sept, 2017
- (iii) Gandhi Punyaha celebration - 10th March, 2018
- (iv) Annual Day celebration cum 1st Reunion of the Dept. - 8th April, 2018

Academic distinctions gained by Teachers/ Scholars of the Department as a whole (Including recognition as DSA or CAS) etc.

Prof. S.P. Adhikary

- (i) NACC peer team visit as Chairperson to Jagdish Chandra DAV College, Dasuya, Punjab, 18-19 September 2017, to visit RNT PG College, Rajasthan as Chairperson, 7-8 May 2018
- (ii) NACC peer team visit as Chairperson to L.M.H.P. Charitable Trust Adarsh College, Vita, Maharashtra, 5-6 October 2017.
- (iii) Chancellor's nominee as expert in faculty selection committee of Berhampur University, Odisha, 3-4 November 2017.
- (iv) Invited for NAAC Assessor's program on revised accreditation framework on 8-9 February 2018 at NAAC, Bangaluru
- (v) Member of executive Council of National Academy of Agriculture Sciences, New Delhi, 2014-2017.
- (vi) Chairman, Odisha State Higher Education Policy, Govt. of Odisha 2016-2017.
- (vii) Member of the Executive Council of Central University of Orissa, Koraput, 2016-2019 and member of IQAC from the management group from EC.
- (viii) Member of the Governing of Nabahrushna Choudhuri Institute of Developmental Studies, ICSSR Institute, Bhubaneswar 2015-2017.
- (ix) Member of the Search Committee of Govt. of Odisha for selection of Vice-Chairman and Member Secretary of Odisha State Higher Education Council, 2017.
- (x) Vice Chancellor of Fakir Mohan University, Balasore to 2nd August 2017.

Dr. Nilanjana das

- (i) Participated in the NIAS-DST training program from 11 to 22 December 2017 on " Science, Technology and Society: Multidisciplinary prospective" at the National Institute of Advanced Studies (NIAS), Indian Institute of Science, Bengaluru, Karnataka

Dr. Jolly Basak

- (i) Successfully completed the Winter School (equivalent to Refresher Course) of UGC-HRDC, Burdwan University from 30.1.2018 to 19.2.2018.

Publications within the year April 2017 - March 2018

Research papers (Authors, title of the paper, year, Journal vol. no., pages):

1. Aritra Simlai, Anjali Gangwar, Sarthaki Avinash Ghonge and Amit Roy. Antimicrobial and Antioxidative Activities in the Stem Extracts of *Derris trifoliata*, a Mangrove Shrub. 2017,

Journal of Pharmaceutical Research International, ISSN 2456-9119, Volume:17:1-10, DOI : 10.9734/JPRI/2017/34455.

2. Protyusha Dey and Amit Roy. Molecular structure and catalytic mechanism of fungal family G acidophilic xylanases., 2018, 3Biotech. Volume: 8:78, Springer Berlin Heidelberg. Online ISSN 2190-5738 DOI: <https://doi.org/10.1007/s13205-018-1091-8>.
3. Asthana M, Sahu SK, Kumar A, Mohanty S, Chakrabarti S, Das P, Chattopadhyaya NR, Chatterjee K, Singh SP, Rajasubramaniam S, Choudhuri T. Role of Interleukin 28B polymorphisms in response to Interferon based therapy for hepatitis C virus clearance. *Curr Drug Metab.* 2018 Jan 28(19).
4. Kumar A, Mohanty S, Das P, Sahu SK, Rajasubramaniam S, Choudhuri T. 1, 25(OH)2D3 Induces Reactivation and Death of Kaposi's Sarcoma-Associated Herpesvirus of Primary Effusion Lymphoma cells. *Sci Rep.* 2017 Sep 29;7(1):12438.
5. Roy Chattopadhyay N, Das P, Chatterjee K, Choudhuri T. Higher incidence of nasopharyngeal carcinoma in some regions in the world confers for interplay between genetic factors and external stimuli. *Drug Discov Ther.* 2017;11(4):170-180.
6. Mohanty S, Kumar A, Das P, Sahu SK, Choudhuri T. Multi-targeted therapy of everolimus in Kaposi's sarcoma associated herpes virus infected primary effusion lymphoma. *Apoptosis.* 2017 Sep;22(9):1098-1115.
7. Das, Chanchal, Das, Nilanjana and Jena, Chandan Kumar, Differential extraction of flavonoids, total phenols and reducing sugars using water, methanol and ethyl acetate from medicinal plants of Bankura. 2017. *J. Inst. Chemists, India*, 89: 146-157.
8. Mallick, Tamanna, Karmakar, Abhijit., Batuta, Shaikh, Ahamed, Giasuddin, Das Sreeparna, Alam, Md. Niharul, Mukherjee, Madhumanthan, Das, Nilanjana, Mandal, Debabrata and Begum, Naznin Ara. 2018. Fluorescent small molecules are big enough to sense biomolecule synthesis of aromatic Thioesters and undertaking their interactions with cDNA. *ACS Omega*, 3: 334-348.
9. Chakraborty N and Basak J. Molecular and biochemical characterization of mungbean yellow mosaic India virus resistance in leguminous host Vignamungo. 2018. *J Plant Biochem Biotech.* DOI 10.1007/s13562-018-0441-2.
10. Nithin C, Thomas A, Basak J and Bahadur RP. Genome-wide identification of miRNAs and lncRNAs in *Cajanus cajan*. 2017. *BMC Genomics*, 18:878
11. Basak J, Roy Chowdhury M and Bahadur RP. A Molecular Dissection of Non-Host Resistance in Plants. 2017. *Res J Biotech*, 12(10):73-83.
12. Chakraborty N and Basak J. Transcriptomics: A successful approach to unravel the molecular mechanism of plant-pathogen interaction in post-genomic era. 2017. *Res J Biotech.* 12:90-100.
13. Bej S and Basak J. Abiotic Stress Induced Epigenetic Modifications in Plants: How Much Do We know? 2017. Springer International Publishing, N. Rajewsky et al. (eds.), *Plant Epigenetics, RNA Technologies*, DOI 10.1007/978-3-319-55520-1_24.
14. Patwa. N and Basak. J. Plant microRNAs - Tiny yet significant regulators of disease. Accepted in *Research Journal of Biotechnology*. 2018. *Res J Biotech* (in press).
15. Goswami S, Kar RK, Paul A and Dey N, Genetic potentiality of indigenous rice genotypes from Eastern India with reference to submergence tolerance and deepwater traits. 2017.

Current Plant Biology 11-12: 23-32.

16. Goswami S, Kar RK, Paul A and Dey N, Study of selected biochemical parameters related to submergence tolerance in rice (*Oryza sativa* L.) with special reference to land races and wild species. 2017, Research Journal of Chemistry and Environment 21:11 (29-38) .
 17. Paul A, Goswami S, Banerjee , Paul A and Dey N, Biochemical and Genetic exploration of aromatic rice lines (*Oryza sativa* L.) from eastern India, 2017, Plant Cell Biotechnology and Molecular Biology, 18(5&6):231-240.
 18. Dey N, Global transcriptome analysis in rice (*Oryza sativa* L.), 2017, Canadian Journal of Biotechnology. Vol. 1 page: 290. (special issue).
 19. Saha I, De AK, Ghosh A, Sarkar B, Dey N and Adak MK, Preliminary Variations in Physiological Modules When sub1A QTL Is under Soil-Moisture Deficit Stress. 2018, American Journal of Plant Sciences (9) : 732-744.
 20. Mohanty, D. and Adhikary, S.P. : Standardization of protocol for preparation of liquid extracts from seaweeds, quantification of their phytohormones and application for crop improvement.), 2018 Journal of Geo Marine Science (NISCAIR), 47 (6) (in Press).
 21. Keshri, N., Suku, P., Kumar, D. and Adhikary, S. P.: Response of sub-aerial cyanobacterium *Scytonemamilli* to UV-C irradiation. 2017, Indian Journal of Experimental Biology (NISCAIR), (in Press).
 22. Dhanesh Kumar, PetrKaštánek and S. P. Adhikary: Exopolysaccharides from cyanobacteria and microalgae and their commercial application, 2018, Current Science (Accepted)
- (v) Numbers of papers published in peer reviewed journals: National: 6; International: 16 ;
Total = 22

Designing New course/curriculum or any other teaching innovations introduced by the Department.

Syllabus for M.Sc. Biotechnology two year courses was revised and upgraded. The new syllabus implemented from the 2017-18 academic year for 2017-19 batch of the PG students.

A brief history on the Department of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The teachers of the Department of Life sciences felt the need of starting a Centre for Biotechnology at Visva-Bharati during the last decade of last century and with their coordinated effort the Centre was established in 1997. All the teachers of Botany, Zoology and other science Departments assisted in conducting the programme. The Centre got support from the Department of Biotechnology as a HRD Centre students got admitted in to the course after being successful in the combined entrance Examination of Biotechnology conducted by JNU from 2004-05 academic year. Hence the status of the centre was known as an All India centre and students from across different states of India admitted to the 2 years P.G. course. The syllabus was also as per the model developed by DBT from time to time since then. Faculty positions were sanctioned for the centre in the early 2000 and the teachers in Biotechnology joined in 2002. The Centre was elevated to a Department in 2010. Since then it has its own BOS and Head of the Department and is functioning as an independent Department under Siksha Bhavana. The Department has a total of seven sanctioned faculty positions, One

Professor, Two Associate Professors and Four Assistant Professors besides one permanent non-teaching staff (peon). To run the Department, it has appointed three non-teaching employees, one office assistant, one laboratory attendant and one peon with due approval of the University on contractual basis and paid from the Departmental budget since 2013. The student strength of the Department was 10 upto 2010, increased to 15 until 2013 and from 2014-15 the strength approved is 19 and for their admission the existing reservation policy of the Government is followed.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

The Department of Biotechnology moved to the new Extension complex of SikshaBhavana in 2015 with dedicated laboratories for 6 teachers, one office-cum HOD room, One meeting cum-computer room, two class rooms, One large practical room with dedicated instruments, One Instrumentation room and one seminar-cum-auditorium with about 100 sitting capacity. However, the space is still insufficient considering the growth of the Department with almost every faculty with multiple projects from external funding agencies also a large number of research scholars are working and publishing papers in referred journals with good impact factor. The Department still require one more instrumentation room, sitting room of HOD, one animal house to conduct important biotech experiments with testing with animal models, one student common room and a Departmental library as we receive 1.5 lakhs each year from DBT to meet the need of literature as per the updated syllabus from time to time. Since Biotechnology is a skill based course, the students are admitted here as per the merit-um-option in all India examination, to impart teaching to students of this region it is required to have more seats to be filled-up through our own entrance examination. The Department can handle a total strength of 24 per year. Hence the number of vacant seats after admission of the students from Combined entrance examination of DBT can be admitted from our own entrance examination so that Visva-Bharati would contribute to generate manpower in this subject for this region of India.

CENTRE FOR MATHEMATICS EDUCATION

Visiting Professors/Fellows to the Department

Date	Title of the talk	Resource person & affiliation
25.09.2017	Introduction to cryptography and network security	Dr. Santo Banerjee , University Putra Malaysia, Malaysia.
08.12.2017	Mathematical Modeling for Epidemiology	Dr. Ibrahim M. Elmojtaba , Dept. of Mathematics and Statistics, Sultan Qaboos University, Qman.
08.12.2017	On fractional differential equations	Dr. N. Al-Salti , Department of Mathematics and Statistics, Sultan Qaboos University, Qman.
08.12.2017	A fractional differential equation for	Prof. Joydev Chattopadhyay , Indian Epidemiology Statistical Institute, Kolkata.
04.02.2018	Geometry and linear algebra	Prof. Sujit Kumar Sardar , Department of Mathematics, Jadavpur University, Kolkata
12.02.2018	An introduction to Lie groups	Prof. Pralay Chatterjee , The Institute for Mathematical Sciences, Chennai
26.2.2018	On Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Dept. of Mathematics, Burdwan University
05.03.2018	On Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Dept. of Mathematics, Burdwan University
12.03.2018	On Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Dept. of Mathematics, Burdwan University
19.3.2018	On Real and Complex Analysis	Prof. K. C. Chattopadhyay (Retired Professor), Dept. of Mathematics, Burdwan University

Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

Teacher's day was celebrated on 5 September 2017 in the Centre for Mathematics organized by the students of the Department of Mathematics.

Publications within the year April 2017- March 2018

i) Research Papers (Author(s), Title of the Paper, Year, Journal, Volume No., Pages): See below

1. Face to face interaction of multi-solitons in spin $\frac{1}{2}$ quantum plasma, K Roy, S Choudhury, P. Chatterjee and C S Wong, Pramana -J. Phys. 88, 18 (2017).
2. Dynamics of the positron acoustic waves in electron-positron-ion Magnetoplasmas, R Ali, A Saha and P. Chatterjee, Indian J Phys ,DOI 10.1007/s12648-017-0957-7(2017).
3. Oblique Interaction of Ion-Acoustic Solitary Waves in epi Plasmas, T K Maji, M K Ghorui, A Saha & P. Chatterjee, Brazilian Journal of Physics 3 (47), 295-301 (2017).
4. Propagation and interaction of two soliton in a quantum semiconductor plasma with exchange correlation effects, S Choudhury, T K Das, M K Ghorui and P. Chatterjee, Physics of Plasmas 24 (6), 062103 (2017).
5. Nonlinear excitations for the positron acoustic waves in auroral acceleration regions, A Saha, R Ali and P. Chatterjee, Advances in Space Research 60 (2017) 1220-1236.
6. Effect of dust ion collisional frequency on transition of dust ion acoustic waves from quasiperiodic motion to limit cycle oscillation in magnetized dusty plasma, T K Das, A Saha, N Pal, P. Chatterjee, Physics of Plasmas 24, 073707 (2017).
7. Oblique Interaction of Ion-Acoustic Solitary Waves in e-p-i Plasmas, T K Maji, M K Ghorui, A Saha and P. Chatterjee, Brazilian Journal of Physics, 47 (2017) 295-301.
8. Comment on "Solitonic and chaotic behaviors for the nonlinear dust-acoustic waves in a magnetized dusty plasma"[Physics of Plasmas 23,052301 (2016)], R Ali, A Saha and P. Chatterjee, Physics of Plasmas 24, 094701 (2017).
9. Bifurcation of Travelling waves and Quasiperiodic Behaviors Dust Acoustic Waves in Strongly Coupled Dusty Plasma, T K Das, S Choudhury, P. Chatterjee, Brazilian Journal of Physics 38,Ppo-010066-010077(2017).
10. Analytical electron acoustic solitary wave solution for the forced KdV equation in super thermal plasmas, R Ali,A Saha, P. Chatterjee, Physics of Plasmas 24, 122106 (2017).
11. The effect of kappa distributed electrons on the dust ion acoustic solitary wave in a collisional dusty plasma, T K Das, S Choudhury, A Saha, P. Chatterjee, JURNAL FIZIK MALAYSIA, 38,Ppo- 010016-010025 (2017).
12. Deformed Korteweg-de Vries equation of two solitons in a quantum semiconductor plasma in the presence of the electron-phonon collision frequency and exchange-correlation potential, S. Chowdhury,T. K. Das, S. Choudhury, P. Chatterjee, EPJ Plus, 132:473, (2017).

Citation Indices of Teachers (Source: Google Scholar)

Sl.	Name	Total Citations	H-index	I10-index	Research Field
	Prof. Prasanta Chatterjee (Prof. In-charge)	(Since 2013) 1797 (1390)	(Since 2013) 25 (21)	(Since 2012) 66 (55)	Plasma Dynamics, Nonlinear Dynamics and Chaos

Designing New Course / Curriculum or any other teaching innovations introduced by the Department:

Centre for mathematics education do not have any permanent faculty member. Still the centre is planning to introduce a new M Phil Course on Mathematics Education.

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development:

The Centre for Mathematics Education was established long back. Several students have obtained their PhD degree from this centre.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included

Prof M R Amin, Prof G Mondal and Prof A Pal of West West University, Bangladesh visited the centre in December 2007 for an academic collaboration.

INTEGRATED SCIENCE EDUCATION & RESEARCH CENTRE (ISERC)

Name of the student qualified in UGC/CSIR/NET/SLET and GATE: ONE (CSIR)

Departmental Seminar: Two (02);

(i) DST INSPIRE CAMP during September 11-15, 2017,

(ii) Short Duration Lecture Workshop 2018 during February 12-14, 2018

National and International standard Conference/Seminar/Workshop etc. attended by the Teacher/Research Scholar

Sl.	Name of the Teacher/ Research Scholar	Name of the Conference/ Seminar etc. attended by the member	Venue and Duration
Teachers			
(i)	Dr. Subrata Sinha	Short Duration Lecture Workshop on "Recent Trends in Interdisciplinary Sciences"	ISERC, Siksha Bhavana, Visva-Bharati 12-14th February 2018
(ii)	Dr. Susanta Ghosh	Short Duration Lecture Workshop on "Recent Trends in Interdisciplinary Sciences"	ISERC, Siksha Bhavana, Visva-Bharati 12-14th February 2018
(iii)	Dr. Mahasweta Nandi	National Seminar on Current Developments in Chemical Sciences International Conference on Chemistry for Human Development (ICCHD-2018)	Jadavpur University March 7, 2018 University of Calcutta and Heritage Institute of Technology, Kolkata, India, January 8-10, 2018
(iv)	Dr. Umesh Kumar Singh	Short Duration Lecture Workshop on "Recent Trends in Interdisciplinary Sciences" One-day National Seminar Cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization	ISERC, Siksha Bhavana Visva-Bharati 12-14th February 2018 Department of Agricultural Engineering, PSB, Visva- Bharati, Sriniketan, West Bengal 29th January 2018
	Swapan K Pandit	International Meeting on "Indian Society of Theoretical and Applied Mechanics - 2017"	Osmania University, Hyderabad, 15-18th December, 2017

Research Scholars

(i) Koushik Majhi	International Conference on Chemistry for Human Development (ICCHD-2018)	January 08-10, 2018, University of Calcutta and Heritage Institute of Technology, Kolkata
	Short Duration Lecture Workshop on "Recent Trends in Interdisciplinary Sciences"	ISERC, Siksha Bhavana Visva-Bharati 12-14th February 2018
(ii) Rijia Khatun	International Conference on Chemistry for Human Development (ICCHD-2018)	January 08-10, 2018, University of Calcutta and Heritage Institute of Technology, Kolkata
	Short Duration Lecture Workshop on "Recent Trends in Interdisciplinary Sciences"	ISERC, Siksha Bhavana Visva-Bharati 12-14th February 2018
(iii) Trisha Das	National Conference on Frontier Areas of Research and Applications using Electron Microscopy	Visva-Bharati, March 16, 2018
	National symposium on 'Recent Advances in Chemistry Research',	Visva-Bharati, March 11, 2018
	National Seminar on Current Developments in Chemical Sciences	Jadavpur University, March 7, 2018
	International Conference on Chemistry for Human Development (ICCHD-2018)	University of Calcutta and Heritage Institute of Technology, Kolkata, India, January 8-10, 2018
(iv) Debdas Singha	National Conference on Frontier Areas of Research and Applications using Electron Microscopy	Visva-Bharati, March 16, 2018
	National symposium on 'Recent Advances in Chemistry Research'	Visva-Bharati, March 11, 2018

(v) Ananya Pal	National Conference on Frontier Areas of Research and Applications using Electron Microscopy	Visva-Bharati, March 16, 2018
	National symposium on 'Recent Advances in Chemistry Research'	Visva-Bharati, March 11, 2018
	National Seminar on Current Developments in Chemical Sciences	Jadavpur University March 7, 2018
(vi) Indrani Mukherjee	One-day National Seminar Cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization	Department of Agricultural Engineering, PSB, Visva-Bharati, Sriniketan, West Bengal, 29th January 2018
	National Conference on Frontier Areas of Research and Applications using Electron Microscopy	Siksha Bhavana and Palli Siksha Bhavana, Visva-Bharati, Santiniketan 16th March 2018
(vii) Krishna Das Goswami	International Meeting on "Indian Society of Theoretical and Applied Mechanics -2017"	Osmania University, Hyderabad, 15-18th December, 2017
(viii) Samrat Hansda	International Meeting on "Indian Society of Theoretical and Applied Mechanics - 2017"	Osmania University, Hyderabad, 15-18th December, 2017

On-going Research Projects in the Department:

Name of the Investigator	Title of the project and	Amount Sanctioned	Funding Agency
Dr. Subrata Sinha (Principal Investigator)	Investigation of polyaniline based nanocomposites by steady state and time-resolved spectroscopic techniques (2016-2019)	Rs. 7,00,000/-	CSIR
	Development of new functional materials and green processing routes for efficient and stable organic photovoltaic devices (2018-2020)	Rs. 61,04,600/-	DST-RMES

Extension activities organised by the department and participated by the teachers and students of the Department:

Teacher's Day was observed in a solemn programme by the students of Integrated Science Education and Research Centre (ISERC) in the First floor seminar room of ISERC block of Integrated Science building.

Publications within the year April 2017 - March 2018

Year	Books/Books chapter published	Papers published in Journals	
		National	International
2017-2018	04	01	13

DETAILS OF PUBLICATION

Book edited:

1. Emerging Issues in Environmental Science Concerns and Management, Ed. PK Padhy, PK Patra & UK Singh (ISBN: 978-93-85503-77-1), New Delhi Publishers, New Delhi, India.

Chapter in Books:

1. Sanjoy Shil and Umesh Kumar Singh (2017) "Historical Aspects of Environmental Education in India" Environmental Education in India Through the Ages, Ed. Jayanta Mete & Subhankar Ghosh (ISBN-978-93-85503-68-9), New Delhi publishers (pp 284-292).
2. Umesh Kumar Singh, Sneha Pratap Singh, Pankaj Kumar (2017) "Non Conventional Energy and its role in climate change mitigation: In context of India's Renewable Energy Mission" Emerging Issues in Environmental Science Concerns and Management, Ed. PK Padhy, PK Patra & UK Singh (ISBN: 978-93-85503-77-1), New Delhi Publishers (pp 195-210).
3. Abaidya Nath Singh, Devendra Mohan, Prashant Bhushan, Deepak Gautam, Umesh Kumar Singh, Pankaj Kumar (2017) "Emerging Contaminants -An Concise Overview" Emerging Issues in Environmental Science Concerns and Management, Ed. PK Padhy, PK Patra & UK Singh (ISBN: 978-93-85503-77-1), New Delhi Publishers (pp 121-134).

Papers published in peer reviewed journals:

1. Mukta Singsardar, Rajib Sarkar, Koushik Majhi, Subrata Sinha, Alakananda Hajra. Bronsted acidic ionic liquid-catalyzed regioselective synthesis of pyrazolopyrimidines and their photophysical properties, Chemistry Select, 3, 1404-1410, 2018.
2. Koushik Majhi, Rijia Khatun, Sourav Jana, Alakananda Hajra, Aparna Shukla, Pralay Maiti, Arka Dey, Partha Pratim Ray, Subrata Sinha. Synthesis and characterization of host-guest inclusion complex of m-cresol with β -cyclodextrin. J. Inc. Phenom. Macrocyclic Chem., 90, 61-73, 2018.
3. B. Roy, M. Ghosh, P. Mukherjee, S. Chowdhury, B. C. Gupta, K. Majhi, S. Sinha. Ground state charge transfer complex formation of some metalloporphyrins with aromatic solvents: Further theoretical and experimental investigations. Spectrochim. Acta Part A: Mol. Biomol. Spectrosc., 188, 311-317, 2018.
4. Kumar B, Singh UK, Ojha SN (2018) "Evaluation of geochemical data of Yamuna River using WQI and multivariate statistical analyses: a case study" International Journal of River Basin

Management, 1-13.

5. Mukherjee I, Singh UK (2018) "Groundwater fluoride contamination, probable release and containment mechanisms: a review on indian context" *Environmental Geochemistry and Health* DOI: 10.1007/s10653-018-0096-x.
6. B.M. Daas, P.K. Ghosh, S. Ghosh, composite of grapheme oxide and zeolite as a potential inhibitor for alkaline corrosion of aluminium, *Indian Journal of Science and Technology*, 10(25), 115049-15059, 2017.
7. Basu Maan Daas and Susanta Ghosh, Electro-Oxidation of Methanol and Ethanol Catalyzed by Pt/ZSM-5/C, *Electroanalysis*, 29, 2516-2525, 2017.
8. Basu Maan Daas and Susanta Ghosh, Catalytic ability of novel Pt/MCM-41 for fuel cells, *Journal of the Iranian Chemical Society*, 15(4), 987-996, 2018.
9. Trisha Das, Hiroshi Uyama and Mahasweta Nandi, Pronounced effect of pore dimension of silica support on Pd-catalyzed Suzuki coupling reaction under ambient conditions, *New Journal of Chemistry*, 42, 6416-6426, 2018.
10. Trisha Das, Hiroshi Uyama and Mahasweta Nandi, Pd-bound functionalized mesoporous silica as active catalyst for Suzuki coupling reaction: Effect of OAc⁻, PPh₃ and Cl⁻ ligands on catalytic activity, *Journal of Solid State Chemistry*, 260, 132-141, 2018.
11. Aradhita Bhattacharjee, Trisha Das, Hiroshi Uyama, Partha Roy and Mahasweta Nand, Cu- and Ni-Grafted Functionalized Mesoporous Silica as Active Catalyst for Olefin Oxidation, *Chemistry Select*, 2, 10157-10166, 2017.
12. Trisha Das, Ankita Roy, Hiroshi Uyama, Partha Roy and Mahasweta Nandi, 2-Hydroxy-naphthyl functionalized mesoporous silica for fluorescence sensing and removal of aluminum ion, *Dalton Transactions*, 46, 7317-7326, 2017.
13. Mahasweta Nandi, Trisha Das, Soumen Saha and Hiroshi Uyama, Direct synthesis of magnesium doped mesoporous silica: Their catalytic activity in Knoevenagel Condensation. *Materials Today: Proceedings*, 4, 10007-10015, 2018.
14. Swapan K.Pandit, Anirban Chattopadhyay, A robust higher order compact scheme for solving general second order partial differential equation with derivative source terms on non-uniform curvilinear meshes. *Computers & Mathematics with Applications*, 74(6), 1414-1434, 2017.

Designing New Course/ Curriculum or any other teaching innovation introduced by the Department

The centre offers Ph.D. programme in Physics (Spectroscopy, Condensed Matter Physics), Chemistry (Electrochemistry, Material Science), Environmental Science (Hydrology, Water & Soil Pollution), Mathematics (Computational Fluid Dynamics) and Life Science (Cancer Biology, Neurobiology, Molecular Diagnostics). As per DST-INSPIRE FELLOWSHIP guidelines, students are recommended to different national institutes and universities like IIT Bombay, IIT Delhi, IIT Guwahati, IIT Chennai, IIT Kharagpur, TIFR, NCL-Pune, SINP-Kolkata, IACS-Kolkata, IISc Bangalore, etc. for doing project work under the supervision of their Mentors.

Brief history of the development of the Centre/ Department concerned with an indication of the future plans for development

University Grants Commission in its XI Five-Year Plan has accepted the recommendation of The High Level Committee (HLC)) as constituted by The Paridarsaka (Visitor) of Visva-Bharati University, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha-Bhavana (Institute of Science), Visva-Bharati. The course is intended for attracting highly motivated students to research and education in basic sciences. After successful completion of the course, Five-Year Integrated M. Sc. degree with Physics/Chemistry/Mathematics/Life Science/Earth and Environmental Science major is awarded to the candidates.

Particulars in details of the Department Library:

- (a) Area (in Sq. Meters) quoted for the library: 300
- (b) Is there separate provision for Reading room: No
- (c) Total no of books: 288
- (d) Total No of books purchased during the year: 10
- (e) Total No. of periodicals: NIL
- (f) Total No. of periodicals purchased during the year: NIL
- (g) Total No. of readers: 80
- (h) Total number of Books and Periodicals issued: 10
- (j) Total No. of Staff members: NIL

KALA-BHAVANA **(Institute of Fine Arts)**

Kala-Bhavana - the faculty of visual art in Visva-Bharati

Kala Bhavana, the faculty of fine arts in Visva-Bharati, was envisaged by Rabindranath Tagore to encourage visual sensibility and creativity as an indispensable part of complete education. With its inception in 1919 its formation predates the formal establishment of the university.

While it may be perceived as a continuation of the efforts towards defining the modern in Indian visual practice that began with the efforts of Abanindranath Tagore and his students/followers in Kolkata, the Santiniketan movement gained its distinctive characteristic, aims and directions from the stewardship of Nandalal Bose, Abanindranath's able student. With Rabindranath Tagore's catholic view towards visual practice as a remarkable example and his pantheistic philosophy as a guiding principle, Kala-Bhavana responded to nature and life in and around Santiniketan elevated beyond the nationalist/'revivalist' modes of articulation, contextually locating visual practice within the modern Indian scenario. This has been its distinctive marker ever since till the present.

Kala-Bhavana has five departments - Painting, Design, Sculpture, Graphics (Printmaking) and History of Art. The Design department locates its practice in two major directions - textile design on the one hand, ceramics and glass on the other. Each of these departments runs the complete range of university courses from the undergraduate to Doctoral research.

A remarkable vision of both Rabindranath Tagore and Nandalal Bose was to conceive a museum and library as integral - and essentially necessary - part of the pedagogic structure in Kala-Bhavana. Books relevant to visual practice collected by the poet constituted the initial nucleus of the library, and traditional artifacts accumulated by Nandalal and Rabindranath - perhaps as early as 1915 onwards - initiated the "Nandan" museum as an academic body whose collection was to serve as motivating and illuminating examples for the contemporary practice by both the students and the teachers of the Bhavana. More recent practices in the institute may have shifted focus towards relatively current modes of expression, but the library and the museum continue to remain as a very significant and important support system for visual practice. The present collection of the museum crosses beyond 19,000 items, and is a modest cross-section of the work of the great pioneers of the new art movement as well as art objects across the world, in keeping with Nandalal Bose's conviction in a Pan-Asian spirit. Similarly, the library consists of books that cover almost all directions in world art.

More recently, the addition of a Centre for Interdisciplinary Practice, a studio-based opportunity that is open to all students and faculty members of Kala-Bhavana irrespective of their departments of specialization, has provided a positive impetus towards new-media experiments from an interdisciplinary perspective. This is an effort to restore the initial faith that Kala-Bhavana had in an all-round creative spirit that is not fettered down by disciplinary and mediumistic specialization. The centre has effectively initiated workshops and residencies, which has offered the possibility of encounter between the Kala-Bhavana community and the visiting experts and artists.

With its forthcoming centenary in 2018-19 in view, Kala-Bhavana is geared up to elevate the institution to prominence in the context of national and global visual practice.

Principal
Kala-Bhavana

DEPARTMENT OF DESIGN

The Department of Design consists of two major design disciplines - Textile Design and Ceramics & Glass Design - and runs regular undergraduate & post-graduate courses in both, namely, BFA/DFA & MFA/Advanced Diploma. The Department also offers a two-year Certificate course in Design, a One-Year Course (in Design) for Foreign students and a One-Year Course (in Design) for Indian students.

The Department is constituted of qualified teachers who have achieved recognition through outstanding creative activities. Their expertise enables the department to explore organic and traditional materials for design through curricular activities that may be unique in the context of academic institutions. As with other studio-practice departments in Kala-Bhavana, it maintains a rational balance between theory and practice by incorporating courses in Art History as a compulsory component within its undergraduate and post-graduate level of studies. Interdisciplinary openness is also encouraged, and it finds a wonderful experience during the annual Nandan Mela when students go beyond the usual curricular patterns into free exchange. Students and faculty members of the department also actively participate in workshops and exhibitions.

As part of the vision of Kala-Bhavana as a whole, the Department has also initiated collaboration with other national and foreign institutions/universities, and have had productive exchange programmes with France, Netherland and Thailand over the past five years. These include, Faculty of Fine Arts, Silpakorn University, Bangkok, Thailand; Faculty of Fine Arts, Dhaka University, Bangladesh; Faculty of Fine Arts, Bhurafa University, Thailand; Faculty of Fine Arts, Netherlands; Faculty of Fine Arts, Korea; Faculty of Fine Arts, Ubon Ratchathani Rajabhat University, Bangkok, Thailand and the Mrs. Elliona Abraham Kholili Team comprising individuals from U.K; U.S.A, Bangladesh and Nepal.

A list of the distinguished alumni would include late Riten Majumder (eminent designer, founder member of Fab India and advisor of NID), late Prof.K.G.Subhranian (eminent artist and designer and recipient of Padmabibhusana), late Devi Prasad Gupta (eminent ceramist), late Nirmala Patabardhana (eminent ceramist), late Prof.Nani Gopal Ghosh (textile designer), Prof.Pranab Roy (textile designer), late Priya Ravish Mehra (textile designer and scholar), Prof. Paresh Chatterjee (eminent textile designer & scholar), late Prof. Gouri Bhanja (eminent designer specialized in traditional Floor Decorations), and late Prof. Amala Sarkar (eminent textile designer), among others. The department benefits immensely from the presence of two Emeritus Professors in Kala-Bhavana, Jogen Chowdhury & Sanat Kar.

Name of the students qualified in UGC/CSIR/NET/ SLET and GATE Examinations.
National Scholars: 4 (In the field of visual art & others), 2017-18.

Only Nation and International standard Conference/Seminar/ Workshop /Exhibition etc. attended by Teacher/Research scholar in details.

Ongoing Research Projects in the department

Sl. No.	Name of the Teacher	Name of the Project	Sponsoring agencies	Amount Sanctioned
1	Bhavna Khajuria Basumatary	"Blending Art and Craft Tagore's Education program With special Reference to ceramics"	self	does not arise.
2	Debashish Mahalanobish	"Texture, Comfort and Design of Khadi Fabric"	self	does not arise.
3	Banatanwi Das Mahapatra	"Fibre, Fabricator and Fabric: a Study of form, Space and Time in arts."	Self	does not arise
4	Debasis Das	"Cotemporary Ceramic Murals in Relation with Architecture"	self	does not arise.
5	Archana das	"Technical study of the Indian Pottery Ceramics"	self	does not arise.
6	Anupam Chowdhury	"Indian Studio Potters - a Trend Analysis."	self	does not arise.
7	Madi Linda	"Kalindi Veadan Jena (27 june,1927 - 26 june 2009) Samakalin Bhartiya Studio pottery ke chetra me Unka yogdan".	self	does not arise.

Extension activities/NSS /Cultural and other activities organized by the Department and participated by the teacher and students of the Department.

Teachers and students in the Department participated in various cultural activities as been organized by the Bhavana and the University as a whole.

Academic distinctions gained by teachers /Scholars or the department as a whole (Like recognition as D.S.A or C.A.S .etc.)

Publications within the year April 2017-March 2018

i)Text book ii) Other books iii) Monographs iv) Research Papers.(Author(s),title of paper, year Journal volume No. pages) v) Number of paper published in Peer/reviewed journals; National/ International.

Refer the individual teachers' annual report details

Designing New Course/ Curriculum or any other teacher innovations introduced by the department. Yes.

A brief history on the development of the Bhavana /Sadana/Vibhaga concerned with an indication of the future plans for development.

In the world the role of design is changing rapidly. The academic programme in design of this institution was introduced into the teaching programme along with Fine Arts since the very early stage at the time of inception of Kala-Bhavana. Design as a separate department was established in the year 1980 to offer degree course in undergraduate level. From the year 1993 the Design Department starts its MFA and advance diploma course in design. The academic programme in design is broad based: it introduces the functional design as well as the expressional design. The Design Department is a lively, fast moving and dynamic and has attracted students for all over India and at the same time from abroad namely Bangladesh, Sri Lanka, Korea, Thailand, Russia, China, France, UK, USA, Australia, Croatia, etc in the different courses and a wide range of specialization. It offers BFA and MFA courses as well as diploma and advance diploma courses for the Design Ceramic and Glass as well as Design Textile separately. Besides these the Department have other courses i.e. two years certificate course in craft, one year foreign casual course and one year casual course for Indian nationals. The students can also complete their Ph.D. in Textile and Ceramics stream as well as. The department has also taken leading role in the field of design innovation and development of aesthetic sensibilities. Many institutes are even sending their students and staffs for self enrichment and development. Courses encourage students to develop highly creative, responsive and professional ways of being designers. The students of the Department have also received National Award and INLACK scholarship and other scholarships. The Department now becomes an advanced centre of design and research.

Action Plan for future development:

With reference to the preparation of the comprehensive perspective of action plan for the development of the Design Department, Kala-Bhavana, Visva-Bharati has been proposed as under:

Keeping in view the multi and cross disciplinary shift in current art practices the Design Department have a vision to start the following courses for the coming years.

- (a) Interior design.
- (b) Costume design.
- (c) Design management.
- (d) Online design course for craft.
- (e) Resource Development unit.

Any other relevant information, which in the opinion of the Head of the Department is worth- reporting, should be included.

To further the shifts towards post graduate studies and research the design department will develop regular more frequent national and international exchange practice environment.

To fulfill these purposes addition of various requirements have to be needed to provide an ideal atmosphere of learning.

The contemporary world of designing is changing very fast. There is always a demand for newness. With our present rudimentary infrastructure facilities the Department wish to enhance its academic structure to maintain the present International status. The student number is increasing every year and the Department is trying to maintain student's teacher's ratio close to 1:10.

The Department without hesitation acknowledges the insufficient infrastructure therefore, plan to minimize as possible in the coming years. To sustain the growth of the department the steps are to be taken for modernization and much more all round development of infrastructure.

Departmental Activities

1. 19th - 26th March 2018, Crystal Glaze & Raku Workshop by Sri Arun Mukuti, Followed by the artist's Presentation on his Practice as a Ceramist
2. 25th -27th February 2018, A Workshop on "Conservation & Preservation of Textiles" Proposed & Organized by Suresh-Amiya Memorial Trust, Kolkata in Collaboration with Department of Design, Kala Bhavana
3. 12th November 2017, A Lecture Demonstration and Exhibition by Artists from Thailand, Dr. Sittichai and Smt. Suparnee on Eco Textiles & Environmental Science
4. 30th October 2017, A Presentation on Scenography by Sri Sayantan Mitra (Art Curator, Scenographer and Architect)
5. 28th October 2017, Design: A Way to Practice and Live in Arts, A Presentation by Sri Jogen Chowdhury
6. 2017, Presentation by Mr. Sato, A Japanese Architect
7. 2017, A Film Screening on Jamdani
8. Teacher's workshop on reverse painting organized by Kala Bhavan,Visva-Bharati

Prof. Goutam Das, Principal, Kala Bhavana, Ceramic & Glass

1. March 2018, Participated in the International Workshop & Exhibition at Kokrajhar Assam
2. January 2018, Participated in the International Teachers workshop at Karnataka Chitrakala Parishath, Bangalore, Karnataka
3. January 2018, Participated in the SSVAD Group Exhibition at Kalakriti Art Gallery Hyderabad, Telangana
4. November 2017, Participated in the International Workshop & Exhibition at Sanghai, China

Extension Activities

5. As Kala Bhavana Principal Organised the Following Exhibitions at Nandan Gallery, Kala Bhavana, Santiniketan
 - i) 5th February 2018, Exhibition of Prof. K.G Subramanyan
 - ii) November & December 2017, Nandan Collections

Prof. Prasun Kanti Bhattacharya, H.O.D, Department of Design, Textile

1. 18th January-18th February 2018, Organized and Participated in a Group Show of the SSVAD (Santiniketan Society of Art & Design) Artists at Kalakriti Art Gallery, Hyderabad, Telangana

Prof. Ashok Bhowmik, Textile

1. 27th February-5th March 2018, "Embodied Black", A Solo Show, Jahangir Art Gallery, Mumbai

Sisir Sahana, Professor, Ceramic & Glass

1. 8th January - 9th February 2018, 51st Annual Exhibition (National) "Viswa Rupam" at Birla Academy of Art and Culture, Kolkata
2. 9th to 12th February - 2018, Participated in Delhi International Art Fair, presented by Gallery Art Pilgrim, Gurgaon and Gallery Ganesh, New Delhi
3. August 2017, Exhibition at Gallery Art Pilgrim, Gurgaon, Haryana on "Transitional Spaces"

Extension Activities

4. Writing a script for a Documentary film on VISVA-BHARATI, Visva-Bharati's official project

Sakshi Gopal Das, Associate Professor, Textile

1. Appointed as a Examiner for different courses of the Department of Design, Kala Bhavana and K.B, Visva-Bharati.
2. Personal project of Batik Work and different types of weaving, e.g. Tapestry, Jamdani etc.

Debashish Mahalanobish, Associate Prof., Textile

1. Invited and acted as the Jury member of the primary selection (W.B) of School level painting competition on Energy Conservation, organized by DVC, December-2017.
2. Invited and acted as the Jury member of the final selection (W.B) of School level painting competition on Energy Conservation, organized by DVC, December-2017.
3. Invited as the External Expert and conducted Workshop on "Art & Khadi" Organized by Majhihira National Basic Educational Institute, Birbhum, West Bengal, 2018.
4. Invited as the External Expert and delivered lecture-cum-demonstration on "Printing for the Khadi Fabric" as been organized by Majhihira National Basic Educational Institute, Birbhum, West Bengal, 2018.

Banatanwi Dasmahapatra, Associate Prof., Textile

1. 7th-9th April 2017, Presented "Imagination, Recreation and the Site of Construction: Encountering Reality in the Light of Design" & A Workshop on Tapestry, Varna 2017, K.S School of Architecture, Bangalore, Karnataka
2. 13th December 2017, Invited to Participate in the Art Camp held on the Art Day at Royal Calcutta Turf Club, Kolkata
3. 18th January-18th February 2018, Organized and Participated in a Group Show of the SSVAD (Santiniketan Society of Art & Design) Artists at Kalakriti Art Gallery, Hyderabad, Telangana
4. 24th February-3rd March 2018, Invited as a Residency Artist for Workshop and Seminar by Kalakriti Art Gallery in Collaboration with the Jawaharlal Nehru Architecture and Fine Arts University (JNAFU), Hyderabad, Telangana
5. 24th -25th February 2018, Poster Presentation in the R & D Showcase at International Institute of Information Technology (IIIT), Hyderabad, Telangana
6. Current Research Project-Study of Ragamala Painting in Association with Hindustani Classical Music
7. Publication- "From the Memory of Visual Equity", Art East: A Contemporary Art Magazine, Vol II, Issue I & II, December 2017, pp 215-16
8. Extension Activities

- i) 24th April, 2017 "A Route to Reveal Discourses in Contemporary Art Practice", M.F.A Students in Conversation with Prof. R. Sivakumar and Prof. Jogen Chowdhury, Conducted at Santiniketan Society of Art and Design (SSVAD)
- ii) 1st & 2nd December 2017, Convener of Nandan Mela, Kala Bhavana, Santiniketan

Anupam Chowdhury, Prof., Ceramic & Glass

1. 6th August to 9th August 2017 conduct Ceramics & Glass workshop at Hopetown Girls School, Dehradun, Uttarakhand
2. 1st November to 28th November 2017, Participated and Completed Orientation Programme, Organized by Ranchi University 5th September 2017
3. 18th January-18th February 2018, Organized and Participated in a Group Show of the SSVAD (Santiniketan Society of Art & Design) Artists at Kalakriti Art Gallery, Hyderabad, Telangana
4. 24th February-3rd March 2018, Invited as a Residency Artist for Workshop and Seminar by Kalakriti Art Gallery in Collaboration with the Jawaharlal Nehru Architecture and Fine Arts University (JNAFU), Hyderabad, Telangana

Archana Das, Asst. Prof., Ceramic & Glass

2018- participated in the crystal glaze & raku workshop by Arun Mukuti..

Bhavna Khajuria Basumatary, Assistant Professor, Ceramic & Glass

1. 2017, Appointed as Vice-principal (Campus) of Kala Bhavana, Visva- Bharati, Santiniketan
2. 2017-Appointed Member of Board of Studies, Centre for Women's Studies
3. 2018- participated in the crystal glaze & raku workshop by Arun Mukuti.

Debasish Das, Asst. Prof., Ceramic & Glass

1. 7th march 2018, Presented on "Traditional and Contemporary Ceramic Art", Organized by Rajya Charukala Parishad, Department of Information and Cultural Affairs, Government of West Bengal, Kolkata
2. 19th - 27th January 2018 , Participated in an International Exhibition "Mugs & Cups" organized by Weavers Studio Centre for the arts, Kolkata
3. East Zone Silver Medal Award for Ceramic by Prafulla Dahanukar Art foundation 2018
4. 5th Aug to 13 Aug 2017, Participated in "EWFAS", International Ceramics Art Camp, Organized by SSVAD, Santiniketan, West Bengal
5. 1st November to 28th November 2017, Participated and Completed Orientation Programme, Organized by Ranchi University 5th September 2017, Teachers workshop at Kala Bhavana

Madi Linda, Asst. Prof., Ceramic & Glass

1. 15th December 2017 Appointed as Programme Officer of the NSS Unit of Kala- Bhavana, Visva- Bharati, Santiniketan,
2. 2017 East Zone Silver Medal Award of Tapestry Prafulla Dahanukar Art Foundation, Mumbai
3. 25 to 26 August 2017, Coordinator : Inter College Youth Festival, Inter -University Fest Cum, Selection Trail- 2017- 18 (Fine Arts Events)
4. 4th July to 31st July 2017 Orientation Programme, U.G.C Human Resource Development Centre, Ranchi University Ranchi (Jharkhand)

DEPARTMENT OF SCULPTURE

Departmental Seminar (Speakers, Title of the Seminar, Date)

Ten Days workshop with Karl Antao organized by Lalit Kala Akademi regional center Kolkata.
Three days workshop on casting in organic materials by Romanian artist Alexendru Poteca.
Kala- Bhavana Teachers Art Workshop at Kala-Bhavana, Santiniketan from 05th - 07th September 2017.

Only National and International Standard Conference/Seminar/Workshop/ Exhibition etc. attended by Teachers/ Research scholars in details.

Pankaj Panwar (Professor)

Workshops & Symposiums

2017: JAIPUR Art Summit Exhibition and Workshop / symposium

2017: Shanghai International Art workshop and exhibition, China

2018: International Artist teachers Camp & Symposium, Chitrakala Parishad, Bangalore

2017: Lecture presentation on " Role of medium and material in contemporary sculpture", Charukala, Kolkata

Exhibitions:

2017: "Fields of Depth", An exhibition of photographs, Ganges gallery in collaboration with Art Multidiscipline, Kolkata.

2017: "Drawings by Sculptors", Gallery Art and Soul, Mumbai

2018: Annual Exhibition of Society of Contemporary Artists, Birla Academy

2018: "Response" An exhibition of New media, Installation, site-specific Art, at the Gem cinema, CIMA, Kolkata

2018: "Journey Envisioned", An exhibition of Society of Contemporary Artists, Gallery Time and Space, Bangalore

2018: Exhibition of SSVAD members, Kalakriti Art Gallery, Hyderabad

2018: "Journey Envisioned", Exhibition of Society of contemporary Artists, Gallery Time and Space, Bangalore

Residency

2018: Residency at Hyderabad school of Arts, Hyderabad University

Honorary Positions:

BOS External member, Dept. of Plastic Arts, BHU, Varanasi.

BOS External member, Dept of Visual Arts, Ravindra Bharati University, Kolkata.

Member of the Board of Trustees, KMOMA, Kolkata museum of modern Art, Kolkata.

Member of the advisory committee, CIMA young artist award. CIMA, Kolkata.

Member of the advisory committee, Charukala Parishad (Dept. of Visual Arts), Govt. of West Bengal.

Member of the advisory committee, " Margin to Mainstream", Socio-cultural Organization, Santiniketan.

Guide / Supervisor:

Three Ph. D scholars and three National scholars.

Sutanu Chatterjee (Associate Prof.)

Exhibitions:

2017: 'New Works'- A One-man show of sculpture and drawing. Organized by 'Debovasha Boi O Shilpo Abash', Kolkata.

2017: 'The Golden Thread' - International Artist Residency/ Symposiums. Organized by Narrative Movements in Darwin International School, Suri, Birbhum-.

2017: 'Sister Nivedita' - A tribute from - All-India Exhibition of Painting and Sculpture - Organized by Indian National Forum of Art and Culture. - 2017.

Workshop:

2017: Glass Painting Workshop - Organized by Kala Bhavana Teachers in Teachers day

2018: Conducted - Sculpture workshop and Presentation in Royal Global School of Fine Arts, Royal global University, Guwahati, Assam

Monumental Sculpture and Painting experience in Public place:

2018: Completed & Installed terracotta Relief sculpture on 'Indian Wedding Ceremony' (40 x 8 ft.) in hotel Pushpanjali, Durgapur for Ganapati India International Private Limited & ITC.

2018: Completed - Fresco Painting (20 x 10ft.) around mirror in Hotel Pushpanjali, Durgapur for Ganapati India International Private Limited & ITC

Publication:

Amar Shilpobhabna , Debovasha, Kolkata, 2017

Editor & contributor, Tuli o Kalam (2nd issue), a little magazine published from Sculpture Dept. for Nandan Mela-2017.

"Nandan Mela'-Srijone o Bhabnay" - An interview about Nandan Mela-2017.

A note introducing the art historian Arun Pal in his book of poems Amar Vitorer Shabdo, 2018.

Interviewed about Nandan Mela on a documentary film - 2017.

Guide / Supervisor:

One National scholar.

Mati Lal Kalai. (Associate Professor & HOD)

Workshops:

30th Oct. to 8th Nov.2017: 'The Golden Thread' - International Artist Residency/ Symposiums. Organized by Narrative Movements in Darwin International School, Suri, Birbhum

05th - 07th Septmber 2017: Glass Painting Workshop - Organized by Kala Bhavana Teachers in Teachers day, Santiniketan from.

External Examiner :

External Examiner (Paper Setter) at Rabindra Bharati University, Kolkata - 2017.

External Examiner at Tripura University. 2017.

Kamal Dhar (Assistant Professor)

Restoration of Ramkinkar Baij's Sculptures , " Milkol, Sujata" And "Harvester"

Rishi Barua (Assistant Professor & Vice Principal, Kala-Bhavana)

Elected Coordinator of Kala Bhavana Centenary Committee

External Examiner and Moderation at Rabindra Bharati University, Kolkata - 2017.

Workshops and exhibitions:

August 5-13, 2017: 'EWFAS'- A Ceramic Workshop organized by Lumierz at SSVAD studio

18th January- 18th February 2018: Kalakriti Art Gallery, Hyderabad, exhibition of SSVAD members

February 17-22, 2018: 2nd Andaman International Art Workshop and Exhibition, Krabi, Thailand.

February 22-27, 2018: 5th International Art and Design Workshop at King Mongkuts University of Technology, North Bangkok, Thailand.

9-15 March 2018: 'North East Cultural Festival'- Ceramic Sculpture Workshop at Rastriya Lalit Kala Kendra, Kolkata,.

17th to 23rd March, 2018: 2nd International Friendship Painting Symposium cum Cultural Festival, 2018, at Kokrajhar Music & Fine Art College, Bodoland, Assam

Amit Kumar Dhara : (Asst. Professor)

Group Show

International Art Exhibitions: Post Contemporary Wave (PCW) organized by "Narrative Movements"

[21st May- 2017: Pcw-" 8" Bainan, W.B.; 30th May- 2017: Pcw-"9" Behala, Kolkata; 3rd June- 2017 Pcw- "10" Pondicherry; 11th June- 2017: Pcw-" 12" Kanchrapara, W.B.; 14th June- 2017: Pcw-" 13" Mumbai; 18th June- 2017: Pcw- "14" Gushkara, W.B.; 19th June- 2017: Pcw- "15" Pune; 22nd June - 2017 Pcw- "16" Santiniketan; 24th June- 2017 PCW Kolkata; 25th June- 2017 PCW- Unakoti, Tripura; 27th December 2017 Pcw - Emblam, Pondicherry; 18th February- 2018 Pcw - Chandrapur, Maharashtra]

24th -30th October- 2017: 16th International Art Exhibition by Members of 'Nandan' Santiniketan at Academy of Fine Arts, Kolkata.

1st September- 17th November 2017: PCW - From India To Netherlands", Galerie Kunst, AAN De Kade, Westvest 9, Delft

24th to 31st December 2017: International Art Exhibition Supported by "Narrative Movements", Sri Aurobindo Ashram Gallery, Pondicherry

International Art in Residence

12th- 18th October 2017: International Artist Residency, "Lake Palace Nahargarh" Parsoli, Chittorgarh, Rajasthan, coordinated by Chitrashaala & Narrative Movements

30th October - 8th November- 2017: International Artist Residency at Suri, W.B., coordinated by "Narrative Movements"

24th to 31st December- 2017: International Land Art Residency at Vaithikuppam Sea Beach, Pondicherry, India coordinated by Narrative Movements.

Seminar & Workshops

Seminar & Workshop on Land Art in Khulna University, Bangladesh, from 27th March to 02nd April, 2018.

Lawanshaibha Kharmawlong. (Assistant Professor)

External Examiner:

External Examiner at Rabindra Bharati University, Kolkata - 2017.

Workshop/ Participated events

2017: Resource person at "18 degrees" Art Festival, Shillong

All India radio (AIR) Santiniketan, a programme on musical performance and speech on the Mystical Meghalaya.

Refresher Course:

Attended RC -301 Refresher Course at HP University, organized by the Department of HRDC, HP University, Shimla - 2017.

Sajad H Hamdani. (Assistant Professor)

Participated in Srinagar Biennale Episode 2 Basil Switzerland March 2018.

Three days Lecture workshop at University of Kashmir Faculty of Performing and Visual Arts September 2017.

Ongoing Research projects in the Department

Development of Smart class room for Audio and video aids for the specialization students.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the department.

a) Departmental students participated in Nandan Mela, the Annual Celebration of Acharya Nandalal Bose's birthday, from 1-3rd December 2018.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) NIL

Publication within the year April 2016 - March 2017: NIL

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.

YES - 2017. (CBCS)

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Since the beginning of Kala Bhavana Department of Sculpture played an important role in the development of the institute as a centre for alternative art practice and set up a new platform in the context of Modern Indian art. The ideology of Rabindranath Tagore, a great thinker and Nandalal Bose, disciple of Abanindranath Tagore contributed to the growth of the Santiniketan School in early twentieth century. The department was started informally under the guidance of Ramkinkar Vajj in 1932. Initially, under Ramkinkar Baij, and later under Sarbari Roychoudhury, Ajit Chakraborty,

Bipin Goswami, Bikash Debnath, Sushen Ghosh and Suren De the department imparted training to innumerable students who later made their mark as eminent sculptors of India.

The Department attracts students from various parts of the country and abroad as well, such as countries like Japan, Korea, Thailand, U.K., France, U.S.A., Bangladesh, Mauritius, U.S.S.R., Srilanka etc.

Many important sculptors studied in the Department who have initiated and contributed in the development of new vocabularies in contemporary sculpture, to name a few from various generations are Sankho Choudhury, Prabhas Sen, Jitendra Kumar, Avtar Sing Panwar, M. Dharmani, Madan Vatnagar, Suren Pandey, Balbir Sing Katt etc.

Any other relevant information, which in the opinion of the head of the department is worth-reporting, should be included.

1. Arpita Das - Exchange Program to France. 2017 - 2018.
2. Enjamil Islam - Silver Medal, National Online art Competition Award, 2018.
3. Enjamil Islam -Rang Sang Award, 2018.
4. Enjamil Islam - 11th South Asian University Festival, March, 2018
5. Sabyasachi Datta - National level Contemporary Public Related Wood Art Camp, January, 2018.

DEPARTMENT OF PAINTING

Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination-

NET Qualified

Arunava Rakshit (JRF-NET, MFA 2nd Semester)

Siddhartha Karmakar

Sumantra Sardar

Biswanath

Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)

- a) 2018, Presentation of works by eminent Turner Prize nominee, Otolith Group, London
- b) Presentation of works by eminent artist Atul Dodiya
- c) 2018, Demonstration and Painting workshop by Arthus Stokcis, Holland, Co-ordinated by Sanchayan Ghosh
- d) 2018, "In- Field Studio", an International Joint Workshop by architect Kengo Sato and Textile designer Miku Watanabi, Japan, in collaboration with Painting Department and Textile Department, Visva Bharati University, Co-ordinated by Dharitri Boro
- e) 2018, Multimedia workshop with students from the top Universities of India, Co-ordinated by Sanchayan Ghosh
- f) 2018, One Day Seminar Program by National Wildlife Conservation at Kala Bhavana, Co-ordinated by Dharitri Boro

National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by Teachers/ Research scholar in details.

September 2017: Department of Painting Faculty organised 3rd India Korea Fine Arts Exchange Exhibition with Daegu Fine Arts Association, Daegu Culture and Arts Center, 11 Exhibition Hall, South Korea, Venue: Daegu Fine Arts Association, S Korea

September 2017: Kala Bhavana Teacher's Reverse Painting workshop

Dilip Mitra

Selected Group Exhibition and Worksop

2017, Joint Drawing Exhibition at NANDAN art Gallery, Santiniketan

2018, A show of SSVAD members at Kalakriti Art Gallery, Hyderabad

Publication:

"Nadalal Bose Studio" (short story on Prof K.G .Subramanian's mural), Shiladitya, Kolkata 2018.

Arghyapriya Majumder

Selected Group Exhibition and Worksop

A show of SSVAD members at Kalakriti Art Gallery, Hyderabad -2018.

"Art of Bengal" - a group exhibition of Bengal Contemporary art at ICCR, Kolkata, 2018

Residency

Art residency at Kalakriti Art Gallery, Hyderabad -2018.

Sanchayan Ghosh

Individual project:

July 2017, Under the Mango Tree: Participated in the workshop as part of the aneducation project of Documenta14, Kassel

2018, Participated in the exhibition 1st Print Biennale , India organized by Lalit Kala Akademy , New Delhi where Merg'E'merge, the 10 year long shadow casting project with Final year students of Kala Bhavana initiated in 2004 was shared

2018, Artists Residency in Andaman and Nicobar islands on Memories of Migration in Port Blair, supported by Regional Lalit Kala Akademi, Kolkata

2017, Participated in Documenta 14, Athens and Kassel as part of the Documenta 14 Education project in the workshop seminar

2017, Designed stage for the theater production Nirvaya(adaptation of the play Mother Courage by Bertolt Brecht) directed by Koushik Sen

2017, Designed stage for the theater production Aswathama written by Manoj Mitra and directed by Koushik Sen, Swapna Sandhani

Group show

2017: Participated in the Multimedia art Exhibition ' Human Ecology and Art' in Chittagong organized by Santaran, Chittagong, Bangladesh

2017-18: Participated in the group show Hangar for the Passerby curated by Akansha rastogi invited by Kiran Nadar Museum of Arts , Noida , presentation on Indian Collectivism

Workshops Conducted and Participated

2017: Conducted workshop on "Site-specific Art Activity" with students of S.N. School,University of Hyderabad

2017: Conducted workshop on Public Art with students of National School of Drama, New Delhi

2017: Conducted workshop on Sitespecific Art in Trasit with students of Charukala Parshad, Dhaka University,and Chittagong Institute of Fine Art, Chittagong and other young artists of Bangladesh,as part of the Multimedia Art workshop in Chittagong

Lecture and Seminar presentation

2017: Presentation on Interactive practice: pedagogy in Chittagong Institute of Fine Arts organized by Santaran

2017: Participated in the panel discussion on Present situation of artist run organization in Bangladesh and India as part of the Multimedia Art exhibition organized by Santaran, Chittagong, Bangladesh

2018: Presented a paper De-Signing a Space: An Interactive Participatory Approach in the seminar In Search of a New Theater Language organized by Theatre Olympics and National School of Drama, New Delhi in Bengaluru

Ambarish Nandan

Selected Group Exhibition and Worksop

Participated in national level art show organized by Art family, at Birla academy, Kolkata, India, 28th March - 2nd April 2017.

Prasanta Kumar Sahu

Selected Group Exhibitions:

- 2018: "Constellations" - a group exhibition at Bihar Museum, Patna, Bihar,
2018: "Written on Water" a group exhibition at Gallery Beyond, Mumbai
2018: "Art of Bengal" - a group exhibition of Bengal Contemporary art at ICCR, Kolkata
2018: " PART/TRAP" a group show of eleven contemporary artists at Gallery Ragini, New Delhi, Curated by Anoop Kamath
2018: " Response" a new-media and installation show at Gems Cinema (an abandoned cinema hall) , Organized by CIMA art gallery, Kolkata; Curated by Rakhi Sarkar
2018: 'SSVAD collectives' a group show at Kalakriti art gallery, Hyderabad
2017: " Artists Postcards" at Busan International art Fair-2017, Bexco, Busan, Korea, 7th to 11th December, Curated by Artists Center, Mumbai
2017: "Exhibition of works done at National Artists' Camp"-with a group of 16 young contemporary artists, Organised by Karnataka ChitrakalaParisath, Bangalore
2017: "Post-age" a group exhibition of art on postcard, at Artists' Center, Mumbai
2017: "Studio Gem Revisited" a 6 person show at Cima Art Gallery, Kolkata
2017: "Paper and Pigments" a 7 person show of paper works at Gandhara art Gallery, Kolkata
2017: Whitefield art collective 2017, Organised by VR Bangalore
2017: 7th Bharat Bhavan Biennial of contemporary Indian art 2017, at Bharat Bhavan, Bhopal
2017: CIMA, The Kolkata Art Festival-2017, an exhibition of works curated by CIMA gallery at Studio Gem (Gem Cinema), Kolkata

Camps/ Workshops/ Seminars

- 2018: Tirupati art camp, Organised by Vishnu Manchu Foundation
2018: " Art in Industry" a national workshop organized by TATA Steel, at Bhubaneswar, Odisha
2017: "Tales From The Land" a community based experimental art workshop at Barbil Arya Iron Ore Mines, Odisha
2017: Art Workshop, Melange Season-III, at Puri , Odisha, Organised by Gallery Artistmindz, Supported by, Airports Authority of India
2017: "Project Tihar"- a collaborative workshop of Painting, Drawing, Print, Sculpture, Video and Installation with the inmates of Tihar Jail, at Tihar Jail No-2, New Delhi, Curated By Veer Munsri
2017: "National Artists' Workshop"-with a group of 16 young contemporary artists, Organised by Karnataka ChitrakalaParisath, Bangalore
2017: " Bengal art camp" in Chandigarh and Amritsar, Organised by Mrs. Tanya Goyal
2017: "Offbeat- Re-interpreting nature" art-camp in Satkosia Gorge Reserve Forest, Odisha
2017: Art Camp in Mahabalipuram and Thanjavur, organized by State Bank of India, Mumbai
2017: Participated in art workshop in Kutch, Bhuj, Organised by Sanghi Cement, Kutch Jury
2017: Jury to "Building Bridges", an international art project by Emergent Art Space, an international non-profit organization based in San Francisco, California
2018: Jury to CIMA Award-2019, a biennially awarded to recognize excellence in visual art and discover genuine talent in India, especially beyond the cities. Organized by CIMA, Kolkata

Sk. Sahajahan

Selected Group Exhibition and Worksop

Two man Drawing Show, Nandan Gallery, Kala Bhavana, 2017

Publication

Cover Page and painting images on the book Vaishakhi o Bob Dylan by Subodh Sarkar

Dharitri Boro**Selected Group Exhibition and Worksop**

2017: Cutting Chai!, a group show organised by Artcore UK in Pickford House Museum, Derby, UK, September, 2017

October 2017: Basar Confluence, organised by GRK, Arunachal Pradesh

2018: Coordinator "In- Field Studio", an International Joint Workshop by architect Kengo Sato and Textile designer Miku Watanabi, Japan, in collaboration with Painting Department and Textile Department, Visva Bharati University,

Camps/ Workshops/ Seminars

October 2017: Residency at Basar Confluence, organised by GRK, Arunachal Pradesh

2018: Curated and participated in the exhibition as a part of National Seminar on Srimanta Sankardev

On going research Projects in the department

Research Projects	Duration	Name of the Teacher	Sponsoring Agencies	Amount	Proposed amount for continuing the project
i) Survey& Documentation of Saharai Murals of Tribal villages, Jharkhand	Ongoing	Prof. Dilip Mitra	None	-	(Site visit and Rs. 2,00,000/- documentation)
ii) Landscape study: Research documentation of landscape transformation of China Clay Mines in Kharia Village, Mohammad Bazar, Birbhum	Ongoing	Sanchayan Ghosh	None	-	Rs. 50,000/- (Site visit and documentation)
iii) Traditional Lime and Brick dust based roof making of song collection	Ongoing	Sanchayan Ghosh	None	-	Rs. 1,00,000/- (For publication of the research project)

Extension Activities

Nandan Mela activities - 2017.

A project by the Painting Dept. on paper making exploring the Fibers of local plant & trees, November 2016.,Laquar toy making workshop, Sara painting workshop, Enamel painting workshop, Enamel paper weight, Mask , Greetings card, Sticker making workshop, Silk scroll and reverse painting workshop, Drawing and calendar designing, Lamp shed making workshop, Puppet making workshop.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) : None

Publication within the year April 2017- March2018:

i) Other books : A printed Visual Book on the Activities of Indo -Korean Art Workshop/Exhibition Project with Daegu Fine Arts Association, Daegu, South Korea

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.

- A. Basic knowledge on web based media practice
- B. Introducing Video art(documentary based digital editing with ideas exploring soundscape and lighting)
- C. Installation Art

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Department of Painting, Kala Bhavana was established in 1919 as an alternative centre of Modern art practice in India. Under the vision and guidance of Nandalal Bose it started as a pedagogic practice that is based on a close contact with tradition and contemporary art practice. Since its initiation the Department has explored a contextual approach to the idea of Modernism keeping close contact with traditional art practice in India and Asia in particular and Europe in general. It has nurtured different approach of Far Eastern techniques of calligraphy, scroll painting, Indian miniature and various other mural techniques and students are being introduced to these practices.It has been the only centre in India that has generated a critical and experimental approach to art activity.

In present times the department has introduced the semester system and implemented new methods of art teaching giving focus to multi-disciplinary art activity in reference to a critical approach to methods and ideas. 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 new systems of sign making including improvisation of new innovations from contemporary visual culture .Introduction of the new methods and materials like new media, installation in the syllabus has created a new environment in the department which is generating dynamic experiments and innovative practices.

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 .

In the last one year experts from, Poland, Holland, UK, Bangladesh have visited the Department and shared their experience with the students & faculty members. The present focus of the department is to generate an open ended approach to multiple forms of visual applications and provide opportunities for students to engage in innovative experimentations to reflect new areas of artistic expression.

Particulars in details of the departmental Library: Attached with Kala-Bhavana profile.

Any other relevant information, which in the opinion of the head of the department is worth reporting, should be included.

Activity of Students in Year April 2017 - March 18

Year April 2017 - March 18

Awards and Scholarships:

National Scholarship, Ministry of Culture, 2016-18- Kalpana Vishwas, MFA 4th Semester; Supriyo Manna, Rachita Dutta, Samiksha, Mantu Singh, Arpita Akhanda (completed MFA in 2017)

Maksud Ali Mondal, MFA 2nd Semester- Kalakand Award, (W.B. State award) 2017 .

Dushyant H.P., MFA 2nd Semester- Prafulla Dhanuka award for Drawing on City merits, 2018
RBI all India Art contest award.

'Award for drawing' award by Karnataka Chitrakala Parishad, 2017.

Upendrajit Rajkumar, MFA 2nd Semester- 1 year scholarship by SD Ahuja Foundation, Kolkata
Apurba Kumar Salui, MFA 4th Semester- Award winner in Young Santiniketan Artists' Exhibition, 2017 at SSVAD.

Subhadip Bhattacharya, MFA 2nd Semester- Rajya Charukala Parisad Certificate of Merit, 2017
Amrita Pramanik, MFA 2nd Semester- SSVAD Annual show Certificate of Merit, 2017

Exhibitions:

Young Talents Program, Alliance Francaise Solo Show, 2017 by Dushyant H.P., MFA 2nd Semester
Annual Group Show by Birla Academy of Fine Arts, Kolkata, 2018: selected participants- Intaz Ansari, Tuhinuddin Mondal, Subhamoy Saha, Upendrajit Rajkumar, MFA 2nd Semester.

SSVAD Annual Exhibition: selected participants- Debaroti Seth, Kalpana Vishwas, Apurba Kumar Salui, MFA 4th Semester; Shubhadip Bhattacharya, Amrita Pramanik (certificate of merit), Tuhinuddin Mondal, Subhamoy Saha, Shikha Suhag, Maksud Ali Mondal, Anirban Das, MFA 2nd Semester.

Khajuraho Art- Mart 2018 participated by: Upendrajit Rajkumar, Aayushi Saini, Shikha Suhag, Tuhinuddin Mondal, MFA 2nd Semester

'Artscape', 7th All Women's Art Exhibition 2018, participated by Debaroti Seth, MFA 4th Semester

Spandan Art Show 2017 participated by Dushyant H.P., MFA 2nd Semester

Odissa Modern Art Gallery, 2017 participated by Subhamoy Saha, MFA 2nd Semester

Exhibition at Jahangir Art Gallery 2018 by Intaz Ansari, MFA 2nd Semester

Workshops and residency:

Khoj Peers residency: Throngkuiba

Jaipur Art Summit, 2017 : attended by Debaroti Seth, MFA 4th Semester; Maksud Ali Mondal MFA 2nd Semester

LGBT Kolkata International Short Film Festival 2017 participated by Subhamoy Saha, MFA 2nd Semester

Making Tools for Clothing, Indo- Japan Multidisciplinary Workshop, organised by In-Field Studio, Japan and KalaBhavana, 2018, attended by Gadadhar Dhibar, Subhamoy Saha, Maksud Ali Mondal MFA 2nd Semester.

National level Paper making workshop, Trivandrum, 2018 attended by Shubhadip Bhattacharya, MFA, 2nd Semester

National level Multidisciplinary Art workshop for students, 2018, organised by Kala Bhavana, Visva Bharati University, Attended by Shubhadip Bhattacharya, Amrita Pramanik , Tuhinuddin Mondal, Subhamoy Saha, Gadadhar Dhibar, MFA 2nd Semester

Kalyani Art Workshop, Kalyani University, 2018, attended by Amrita Pramanik , MFA 2nd Semester

Art Workshop conducted by Science Institute of Bengaluru, attended by - Debaroti Seth, Kalpana Vishwas (Awarded), MFA 4th Semester ; Amrita Pramanik (Awarded), Ekta Kumari, Maksud Ali Mondal, Intaz Ansari, Aayushi Saini, Shikha Suhag, Upendrajit Rajkumar, Tuhinuddin Mondal, Arpan Das, MFA 2nd Semester

International Documentary Film Workshop, Kala Bhavana, 2017 attended by Tuhinuddin Mondal, MFA 2nd Semester

'Art Park' workshop, Bangalore, 2017 attended by Dushyant H.P., MFA 2nd Semester

Workshop conducted by North Bengal Cultural Forum, 2018 attended by Upendrajit Rajkumar, MFA 2nd Semester

Gagan Mela Workshop, Kolkata 2018 attended by Tuhinuddin Mondal, MFA 2nd Semester

Conservation and Restoration of Oil Painting, Kala Bhavana 2017, attended by Debaroti Seth, MFA 4th Semester

Paschimbongo Charukala Utsav 2017, attended by Apurba Kumar Salui, Upama Chakravarty, MFA 4th Semester

International Student Exchange Program

Naphisabiang Khonguar from BFA attended Students exchange program at EPCC Ecole Superieure des Beaux-Arts, France

On the occasion of the fine arts fair (Nandan Mela), all the teachers and students of painting department actively participate and produce a large variety of art works such as painting calendars, clay toys, individual paintings, enamel paintings, performances etc.

DEPARTMENT OF GRAPHIC ART

Departmental seminar/workshop/ Exhibition :

Poster -Print workshop, by Amit Mukhopadhyaya ,organize by Department of Graphic art, Jan'2018
Six Students from BFA and MFA final year along with two Faculties from Department of printmaking,
Faculty of fine arts, University of Dhaka, Bangladesh Under exchange programme. 26th to 3rd
Dec 2017

Bula Chakravorty Agbo, Artist from London , delivering lecture and demonstration on printmaking
at department of Graphic art, Kala Bhavana. March 2018

Snigdha Kumari,sem-V, she has been in Holland for student exchange programme.

Only national and international standard conference / seminar / workshop/ exhibition etc attended by teachers / research scholars in details (Maximum 2 per teacher)

Nirmalendu Das

2018: 1st international Biennale of prints, India, Lalit kala academi New Delhi.

2017: Resource person for the "Non-toxic intaglio process" at Govt. Art college , Thrissur, Kerala

Arpan Mukherjee

2017: Participated in 'Depth Of Field', A n group show, Gallery Ganges, Kolkata .

2018: conducted workshop on Alternative photography in Mumbai, Organized by 'Sarmaya'

Ajit Seal

2018: Demonstration on Platography at Bharati Vidyapeeth's College of Fine Art's Pune.

2017: International Printmaking Workshop Uttarayan Art foundation Vadodara

Salil Sahani

2018: 1st international Biennale of prints, India, Lalit kala academi New Delhi.

2017: Conducted intaglio workshop at College of Fine Arts, Karnataka Chitrakala Parishath
Bengaluru.

Uttam Kumar Basak

2017: Participated in Exhibitaion of Contemporary Prints by 65 Indian Artists National Art Gallery
of Bangladesh , Shilpakala Academy, Dhaka , Bangladesh.

2018: Participated in 1st International Print Biennale India, in invitee section, Lalit Kala Akademi,
N.Delhi,

M. Thomas Singh

2017: Conducted Collography workshop at College of Fine Arts, Karnataka Chitrakala Parishath
Bengaluru.

2017: Participated International Art show at Ramkinker Art Gallery Org. by DAG (Duars Artist
Group)

Prashant Phirangi

2018: Resource person for the "Gum Bicromate Process" at CISFA -college of Art, Nagpur,India

2017: Award- Honorable mentioned in 6th Guanlan International Biennale of Prints, China

Aditi Ganeev Sangwan

2018: Conducted a workshop and Seminar on Hybrid print at Charukala Dhaka University Bangladesh

2018: Presented a Art talk on Cyanotype in the realm of Visual art at Bengal foundation Dhaka, Bangladesh

Ongoing research project in the Department: Nil**Departmental seminar/workshop/ Exhibition :**

Poster -Print workshop, by Amit Mukhopadhyaya ,organize by Department of Graphic art, Jan'2018
Six Students from BFA and MFA final year along with two Faculties from Department of printmaking, Faculty of fine arts, University of Dhaka, Bangladesh Under exchange programme. 26th to 3rd Dec 2017

Bula Chakravorty Agbo, Artist from London , delivering lecture and demonstration on printmaking at department of Graphic art, Kala Bhavana. March 2018

Snigdha Kumari,sem-V, she has been in Holland for student exchange programme.

Only national and international standard conference / seminar / workshop/ exhibition etc attended by teachers / research scholars in details (Maximum 2 per teacher)**Nirmalendu Das**

2018: 1st international Biennale of prints, India, Lalit kala academi New Delhi.

2017: Resource person for the "Non-toxic intaglio process" at Govt. Art college , Thrissur, Kerala

ARPAN MUKHERJEE:

2017: Participated in 'Depth Of Field', A n group show, Gallery Ganges, Kolkata .

2018: conducted workshop on Alternative photography in Mumbai, Organized by 'Sarmaya'

AJIT SEAL:

2018: Demonstration on Platography at Bharati Vidyapeeth's College of Fine Art's Pune.

2017: International Printmaking Workshop Uttarayan Art foundation Vadodara

SALIL SAHANI:

2018: 1st international Biennale of prints, India, Lalit kala academi New Delhi.

2017: Conducted intaglio workshop at College of Fine Arts, Karnataka Chitrakala Parishath Bengaluru.

UTTAM KUMAR BASAK:

2017: Participated in Exhibitaion of Contemporary Prints by 65 Indian Artists National Art Gallery of Bangladesh , Shilpakala Academy, Dhaka , Bangladesh.

2018: Participated in 1st International Print Biennale India, in invitee section, Lalit Kala Akademi, N.Delhi,

M. THOMAS SINGH:

2017: Conducted Collography workshop at College of Fine Arts, Karnataka Chitrakala Parishath Bengaluru.

2017: Participated International Art show at Ramkinker Art Gallery Org. by DAG (Duars Artist Group)

Prashant Phirangi

2018: Resource person for the "Gum Bicromate Process" at CISFA -college of Art, Nagpur,India

2017: Award- Honorable mentioned in 6th Guanlan International Biennale of Prints, China

Aditi Ganeev Sangwan

2018: Conducted a workshop and Seminar on Hybrid print at Charukala Dhaka University Bangladesh

2018: Presented a Art talk on Cyanotype in the realm of Visual art at Bengal foundation Dhaka, Bangladesh

Ongoing research project in the Department: Nil**Extension activities / NSS/ Cultural and other activities organized by the department and participated by the teachers and students of the department.**

Artist Residency programme at Somnath Hore international residency programme, Lalbandh Village:Flavia from Brazil been invited as artist in residence for one month.

Academic distinctions gained by Teachers/ Scholars or the department as a whole (Like recognition as D.S.A or C.A.S .etc.)

Publication within the year April 2017-March 2018

Designing New course/ Curriculum or any other teaching innovations introduced by the department.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Any other relevant information which in the opinion of the HOD is worth - reporting should be included.

Artist Residency programme at Somnath Hore international residency programme , Lalbandh Village:Flavia from Brazil been invited as artist in residence for one month.

Academic distinctions gained by Teachers/ Scholars or the department as a whole (Like recognition as D.S.A or C.A.S .etc.)

Publication within the year April 2017-March 2018

Designing New course/ Curriculum or any other teaching innovations introduced by the department.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.**Any other relevant information which in the opinion of the HOD is worth - reporting should be included.**

DEPARTMENT OF HISTORY OF ART

Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination-
Nilanjana Gogoi (UGC-NET)

Departmental Seminar (Speakers, Title of the Seminar, Date)

1. 16th & 17th November 2017. Living Traditions: A National Conclave on Folk & Tribal Art and Performances of Bengal and North-East. Organized jointly by the Department of History of Art, Kala Bhavana and Lalit Kala Regional Centre, Kolkata
2. 19th January 2018 Lars Gerdmar, "Two icons to two Popes - on the history, theology and aesthetics of the art of icons", [jointly hosted with the Department of Philosophy & Religion, VB]
3. 27th March 2018 Dr. Verna Blewett, "Finding Kiron Sinha"

Only National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by Teachers/ Research scholar in details.

R. Siva Kumar:

1. 19th April 2017, delivered a lecture on invitation from the Kerala Lalit Kala Akademi, at the Darbar Hall, Ernakulam titled 'Drawings of K G Subramanyan'.
2. 26th May 2017, delivered a lecture on invitation from the Kerala Lalita Kala Akademi, at the Darbar Hall, Ernakulam titled 'Somnath Hore'.
3. 19 October 2017, delivered a lecture on invitation from China Art Academy, Hangzhou titled, 'Abanindranath: Regaining the Narrative Voice.'
4. 20 October 2017, delivered a lecture on invitation from China Art Academy, Hangzhou titled, 'Rabindranath and Modern Indian Art at Santiniketan.'
5. 15 November 2017, delivered a lecture on invitation from Akar Prakar, Kolkata, titled 'Rabindranath's Self-Presentation and the Body in his Paintings'.
6. 2 Dec. 2017, delivered a lecture on invitation from The Kasturbhai Lalbhai Museum, Ahmadabad, titled, 'Two Paths to Modernism: Abanindranath and Rabindranath.'
7. 21 March 2018, delivered a lecture under the ICCR Lecture on India series at the National Gallery of Ottawa, titled, 'Traversing Cultures, Celebrating Life, and Making Art in Post-Independent India.'
8. 29 March 2018, delivered a lecture on invitation from the Asian Institute, The Munk School, University of Toronto, titled, 'From Interlocutor to Painter: Rabindranath Tagore and Modern Indian Art.'

Meghali Goswami

1. 20th October 2017, Invited Lecture in a National Seminar on Road Map for Development of Cultural Tourism in and around Santiniketan & Birbhum, Visva Bharati in collaboration with the Ministry of Tourism, Government of India for Observation of Paryatan Prav.
2. 23rs -25th March 2018, Invited Lecture in International Interdisciplinary Conference "Road Map for the Development of Eco-Tourism in and around Santiniketan, Birbhum, Visva Bharati, Santiniketan in collaboration with Ministry of Tourism, Government of India.

3. 27th April 2018, Invited Lecture on Folk Tribal Art of India , Folk us Art Gallery, Silchar Assam.
4. 2018, Curated and wrote catalogue for the show Boundless Form , artists Monoj Poddar and Nisha Khatun, NIV Art Center, New Delhi.
5. 2018, Curated and wrote catalogue for the show Highlightenment, artist Meghansh Thapa , Jahangir Art Gallery, Mumbai.
6. Curated an exhibition , Srimanta Sankardava and his Times, organized by Assamese Language Unit, Bhasha Bhavana, Visva Bharati, Santiniketan, West Bengal

Sanjoy Kumar Mallik:

1. 16th & 17th March 2018, Delivered a two-day/three-lecture series on The Bengal Revivalism: Tagore & Santiniketan [addressing as case studies the artists - Abanindranath Tagore, Gaganendranath Tagore, Rabindranath Tagore, Nandalal Bose, Benode Behari Mukherjee & Ramkinkar Baij] as part of their course titled 'Post Graduate Diploma in Modern and Contemporary Indian Art & Curatorial Studies', Bhau Daji Lad Museum, Mumbai,
2. 17th March 2018, Presented an illustrated lecture titled "Chittaprosad: the artist as documenter", for the opening ceremony Documenting political art as history to mark the retrospective exhibition of the artist Chittaprosad at DAG Gallery in Fuller Building, 57th Madison Avenue, New York.

Anshuman Dasgupta:

June, 2017, Exhibition: Documenta 14 Radio Project , Kassel , Germany, June composed a 50 minutes work transmitted in 8 countries

September 2017, Hosted by Brazil

Soumik Nandy Majumdar:

1. 29.07.18, Delivered an invited lecture in the National Seminar titled "National Conclave of Visual Art Writers in Indian Languages" organized by the Lalit Kala Academy in collaboration with the Sahitya Akademi, New Delhi. Title of presentation: 'Contemporary Art writings in Bengali Language for the lay readers.'
2. 23rd - 26th September, 2017, ASEAN-India Artists workshop at Udaipur organized by the Ministry of External Affairs and Seher, New Delhi.

Rishav Gandhar Narzary:

17th to 23rd March 2018, International Painting Symposium organised by Kokrajhar Music & Fine Arts College Assam.

Ongoing research Projects in the department : Nil

Extension activities

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)

Individual Distinctions:**R. Siva Kumar**

ICCR visiting professor at Carleton University, Ottawa, Canada for the winter semester 2018

Meghali Goswami

1. Associateship of U.G.C Inter University Center for Humanities and Social Science, Indian Institute of Advance Studies Shimla for 2017
2. Associateship of U.G.C Inter University Center for Humanities and Social Science, Indian Institute of Advance Studies Shimla for 2018

Publication within the year April 2017 - March 2018:**R. Siva Kumar****Book**

Santiniketane Silpacharcha, Karigar, Kolkata 2018, ISBN: 978-81-936847-0-2

Essays

1. 'Drawing as Attention, Pondering and Remaking', Catalogue text for K. G. Subramanyan: Sketches, Scribbles, Drawings, Kerala Lalita Kala Akademi, Trichur 2017, pp. 1-4.
2. 'Ramkinkar's Final Decade', booklet brought out by Debovasha, Kolkata, May 2017.
3. 'All Art Education is a Training to Creatively Respond to an Unknown Future,' The Wire, (<https://thewire.in/>), 13 May 2017.
4. 'Dreaming Hope with Open Eyes: K. G. Subramanyan's Response to the World Gone Wrong,' in Seeking Poetry of the Real: K.G. Subramanyan, Political Works, Art Heritage, New Delhi, 2017.

Meghali Goswami

1. Visual Art of Northeast India: A collection of Opus, Sharada Publishing House, Delhi, 2017 ISBN:978-93-83221-17-2
2. Goswami, M & Deka, M, Temple Sculptures of Assam, Aayu publication, New Delhi 2017 ISBN-10: 9385161563 ISBN-13: 978-9385161568

Journals:

1. "Birbhum as a Cultural Hub", Academic Discourse, an International Refereed Research Journal, Print ISSN:2278-3296, Online ISSN: 2349-4441
2. "Artist Rokeya Sultan" [accepted for publication], Kala Dirgha a six monthly bi-lingual (Hindi & English) Contemporary Visual Art Journal, 2018

Sanjoy Kumar Mallik:

Arun Pal/Eye and Hand, Sagnik Books, Kolkata, 2018

Rishav Gandhar Narzary

- 1) "Archetypes of Art History: Regarding Historiographic Studies of Fundamental Theoretical Models", Academic Discourse, Volume- 6, No. 2, ISSN: 2278-3296, December 2017.
- 2) "Fundamental Theoretical Models and Historiography of Art History", Chihna, Gauhati artists' Guild, Volume XXXVI, No. 36, ISSN: 2320-0464, October 2017.

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.

Soumik Nandy Majumdar designed a new course on Art Writing as one of the Elective Courses for the BFA specialization in History of Art.

The Department reformulated its Undergraduate course (BFA) in accordance with the UGC-CBCS framework.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Teaching Art History to students in Kala-Bhavana initiated through an informal beginning and an organic evolution before arriving at an institutional framework. The arrival of renowned art historian Stella Kramirsch to Santiniketan at the end of 1922 on an invitation from Rabindranath Tagore may be identified as inaugural moment of Art History at Kala Bhavana. Kramirsch was perceived by Rabindranath as an ideal person because of her keen interest in Indian art and her training at Vienna, whereby she would be able to usher in a global perspective to art historical discourse at Santiniketan which was already imbued with a pan-Asian breadth. She was followed by other visiting scholars and the discourse continued informally, till Art History became a taught and examined course at Kala Bhavana in 1958. The restructuring of courses and disciplines ten years later led to the introduction of Art History as distinctive area of specialization.

The Department is persevering towards enlarging its archival collection and aiming towards a comprehensive visual archive that would serve both pedagogic and research needs of the faculty and students and ultimately emerge as a centre of exchange of knowledge in the region. The increased stress on research and documentation, should lead on to a much-needed emphasis on knowledge generation rather than on the accumulation and pedagogic dissemination of information.

The Department has been striving to incorporate relatively recent methodological apparatus and polemical directions in the discipline, and to widen the scope and possibilities of Art History from within as well as without the limits of institutional teaching-learning modules. This invariably involves enhanced interaction with scholars, beyond the efforts of the regular staff members in the teaching community, so that a greater diversity of interest and research can be encouraged among the students.

Any other relevant information, which in the opinion of the head of the department is worth reporting, should be included

Activity of Students in 2017-18: -

Activity of the teachers in 2017-18:

Meghali Goswami

1. Nomination to the Board of Studies of Royal School of Fine Arts (RSFA), The Assam Royal Global University, Guwahati

2. Nomination to the Departmental Research Committee (DRC) of History of Art Department , Rabindra Bharat University ,Kolkata
3. Upgrade syllabus for Fine Arts Degree Course, Kokrajhar Music and Fine Arts College Kokrajhar, B.T.C Assam 2018
4. Invited as an expert to drafting the course curriculum in Conclave for Syllabus development of Royal Global University 2017
5. Member of Internal Complaints Committee for Prevention of Sexual Harassment against Women at Work Place 2018, Visva Bharati Santiniketan.

Sanjoy Kumar Mallik

Editor, "Kala-Bhavana 100 years" book project to mark the Centenary of the institution

Anshuman Dasgupta

1. Awarded PhD from Goldsmiths College, University of London.
2. Official Researcher, "Bauhaus 100 years", Germany
3. Curator, 100 Years of Kala Bhavana
4. Jury, FICA, Amol Vadehra Memorial award,
5. Jury, Shrine Empire, Best critics award

Soumik Nandy Majumdar

1. May, 2017. Nominated as the invited Jury in the Allotment Committee of the Lalit Kala Akademi, New Delhi for the year 2017 - 2018.
2. 16 & 17 November 2017. Convener of the National Conclave on Folk & Tribal Art and Performances of Bengal and North-East. Organized jointly by the Department of History of Art, Kala Bhavana and Lalit Kala Regional Centre, Kolkata

NANDAN KALA BHAVANA MUSEUM

The Nandan Museum of Kala-Bhavana is a reference museum collection which is an integral part of the academic structure of the institution. Initially intended to be a repository of exemplary objects that could be referred to by the faculty and students in comprehending and putting to practice the philosophy upon which visual-practice was based at Kala-Bhavana, the role that the collection of objects played in early days may have shifted significantly with transformations in pedagogy and practice within the institution (which is in itself a transition that reflects the will of the institution to actively transform with the times, rather than remain stultified by a limited notion of tradition), the Nandan Museum remains an important source of reference to scholars and researchers especially studying the history of the institution and its practice.

Provided below are the achievements as well as services provided by the Museum within the period of 2017-18:

Documentation of Art Objects

Digitalization of Art Objects	:	2553 Nos.
Accession & Documentation of Art Object (Strong room-1)	:	440 Nos.
Accession & Documentation of Art objects (Strong room-2)	:	362Nos.

Preventive and Curative Conservation of Art objects

Curative Conservation	:	169Nos.
Mounting with acid free mount board& fixing of hinges	:	153 Nos.
Integrated pest management	:	02 Times.

Rearrangement of Art object in Strong Room No.1

Rearrangement of art object in Strong Room No.-1 according to the ascending order of Accession Numbers [04055 - 10207/29] with proper references of storage location.

Object wise list of Art object in Strong Room No.-1

Object wise list of 13,333 numbers of art objects in Strong Room No.-1 up to Accession Numbers 10207/29 completed.

Object wise list of Art object in Strong Room No.-2

Object wise and material wise list of 8783 numbers of art objects in Strong Room No.-2 from Accession Numbers 1K to 8195K completed.

Achievement and other activity of Museum Staff

Amulya Kumar Jena, Preservation Assistant, Kala-Bhavana Museum, assisted during the conservation work of outdoor sculptures "Sujata", "Harvester", and "Mill Call" by Ramkinkar Baij at Kala-Bhavana, Visva-Bharati.

Special Exhibition & other activities at Nandan Gallery, Kala Bhavana Museum

1. 11th August 2017 Exhibition of art-works arranged for Japan Consulate General Mr. Taga.
2. 21st August 2017 Exhibition of Photographs
3. 25th August 2017 Exhibition of art-works of Chittaprosad

4. 8th September 2017 Exhibition of work by Dilip Mitra and Sk. Sahajahan
5. 18th September 2017 Exhibition of work by S.P. Kar-Chowdhury
6. 27th October 2017 Exhibition of work by students of Siksha-Satra
7. 5th November 2017 Exhibition of work by members of Dum Dum Photographic Association
8. 6th November 2017 Exhibition of art-works by SUTRA
9. 24th November 2017 Exhibition of work by students of Patha-Bhavana
10. 8th December 2017 Exhibition of art-works on the occasion of Nandan Mela
11. 27th January 2018 Exhibition of art-works from the Kala-Bhavana Nandan Museum Collection
12. 5th February 2018 Exhibition of works of K.G. Subramanyan
13. 20th February 2018 Exhibition of work by Japanese artists
14. 2nd March 2018 Exhibition of work by Arun Paul

Screening of Documentary film

2nd March 2018: Documentary film on Arun Paul

National Seminar

26th March 2018: National Seminar on combating wildlife crime

Special services provided

1. 3rd April 2017: Assistance provided to Amit Kumar Dhara, for the Demonstration of art objects at the Kala-Bhavana Museum collection to BFA 3rd year students of Kala-Bhavana
2. 11th May 2017: Reference information on Java Batik and Santiniketan batik from the collection at Kala-Bhavana Museum to PhD scholar Pantra Shyam
3. 17th July 2017: Assistance provided to Prof. Dilip Mitra, for the Demonstration of art objects at the Kala-Bhavana Museum to BFA 4th semester students of Kala-Bhavana
4. 21st July 2017: Assistance provided to Sk. Sahajahan, for the Demonstration of art objects at the Kala-Bhavana Museum to BFA 3rd semester students of Kala-Bhavana
5. 4th August 2017: Assistance provided to the Principal, Government College of Art, Kolkata, for study and reference of art objects at the Kala-Bhavana Museum Collection
6. 13th August 2017: Assistance provided to the Japan Consulate General Mr. Taga for study and reference of art objects at the Kala-Bhavana Museum Collection
7. 14th August 2017: Assistance provided to Prof. Nanda Dulal Mukherjee, for the Demonstration art objects at the Kala-Bhavana Museum to BFA 3rd semester students of Kala-Bhavana
8. 5th September 2017: Assistance provided to the Fukuoka Museum Executive Director, Japan, for the study and reference of art objects at the Kala-Bhavana Museum Collection
9. 23rd September 2017: Assistance provided to Grant Watson & Franziska Zahl, for study and reference of art object at the Kala-Bhavana Museum Collection.
10. 14th October 2017: Assistance provided to Betti H. Albert, Asia Art Museum, San Francisco, USA, for study and reference of art objects at the Kala-Bhavana Museum Collection
11. 12th November 2017: Assistance provided to the students of Kala-Bhavana to study the art objects at the Kala-Bhavana Museum Collection
12. 20th January 2018: Assistance provided to P. Bilnari, California, for study and reference of art objects at the Kala-Bhavana Museum Collection

SANGIT BHAVANA
DEPARTMENT OF RABINDRA SANGIT, DANCE & DRAMA
DEPT. OF HINDUSTHANI CLASSICAL MUSIC

- (i) Dept. of Rabindra Sangit, Dance & Drama**
(ii) Dept. of Hindusthani Classical Music

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Swapnadeepa Gandhi (JRF), Deboshree Das (NET & JRF), Nibedita Das(JRF), Anamika Mishra (NET), Resmita Nandi (NET & JRF), Reema Dasgupta (NET & JRF), Jagannath Barman (Rajib Gandhi Fellowship), Satarupa Sadhukhan(NET), Ferdous Begum (NET), Mantu Saha (NET), Partha Dey (JRF), Rajrishi Chakraborty(JRF), Ashok Barman (NET), Nabendu Kiran Debnath (NET), Supriya Chakraborty (NET), Sourav Roy (NET), Amrita Majumder (NET), Surashree Chatterjee (NET), Monali Bairagi (NET)

Programmes held by the Department:

Sangit-Bhavana has organized, conducted and performed numerous cultural programmes under the able leadership of Principal and Head of Sangit-Bhavana, Santiniketan and in other places of India during 2017-2018. This portrays the essence of Tagorean thoughts regarding dance. It is a continuance of the tradition in Santiniketan.

Performances that were rendered in the festivals, conferences and seminars were all based on research on these areas, particularly on the music and its development by Rabindranath Tagore. Dance performances, as part of festivals were researched following the vision of Tagore.

Santiniketan Sangit Sabha, a new initiative of Sangit Bhavana, was instituted to create regular performance space and showcase different genres in the Indian performing arts, with specific emphasis on solo performances. During each session of Sangit-Sabha, we included performances by the students and faculty of Sangit Bhavana.

Research Day seminars for Ph. D students had been organized regularly.

Workshops by experts of different genres in the performing arts have been held. Some of the luminaries are: Budhhadev Dasgupta; Wasifuddin Dagar; Ashish Khan; Swapan Choudhury; Dalchand Sharma; Satyabhan Sharma, Rita Ganguly; Arun Kumar Basu, Amita Dutta, Sadanam P.V. Balakrishnan.

12 January 2018. Tagore's Balmiki Prativa was performed at at Lipika, Santiniketan on the occasion of 12 years of the happenings of Rabindra Utsab.

01 March 2018: Rabindranath Tagore`s Drama "Chandalika" on the occasion of Vasantotsava at Visva-Bharati, was performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

One Week School on 'Natyashastra' organized by Indira Gandhi National Centre for Arts, New Delhi in Collaboration with Aurobindo Ashram, Ramgarh, 29 October - 4 November, 2017.

9 Day Documentary Film Making Workshop, organized by Films Division, Govt. of India and Visva-Bharati from 4-12 September, 2017.

22 May, 2017. Performance of Tagore's "Taser Desh" at Rabindra Sadan, Kolkata on the occasion of the celebrations of the Poet's Birth Anniversary under project of Rabindra Sangit Gabesana Kendra, Sangit-Bhavana.

Throughout the year various other performances were held at Visva-Bharati organized by Karmisabha and Karmi Parishad. Students and all members of the faculty participated in them. Some of the programmes are Naba Barsha Baran (16.04.2017), Book Release function at Chatak (08.08.2017), Upasana for Baishe Shraavan and Briksharopan (09.08.2017), Rabindra Saptaha (11-14 August 2017), Independence Day (15.08.2017), Barsha Mangal (16.08.2017), Dinendra Janmotsab (18.12.2017), 7th Pous Upasana (23.12.2017), Khristotsab (25.12.2017), Maghotsab (25.01.2018), Basanta Vandana (28.02.2018), Basanta Utsab (01.03.2018)

Only National and International Level Standard Conferences/ Seminars/Workshop/ Exhibitions/Performances attended by teachers, Research Scholars in details.

Swapn Kumar Ghosh

7th January 2018: Gave solo performance in the Annual Music Conference, organised by West Bengal State Music Academy, Govt. of West Bengal at Rabindra Sadan, Kolkata.

Prof. Sabyasachi Sarkhel

19 May 2017 .Performed Sitar recital in Shubha e Banaras at Assi ghat, Varanasi.

16 August 2017. Performed Sitar recital at ITC Sangeet Research Academy, Kolkata

21-26 August 2017. Attended as an expert member in UGC NET workshop in Delhi.

04 - 06 September 2017. Visited as a member of UGC NAAC Peer team at Ahmed nagar, Maharashtra (New Arts, Science and Commerce College, Ahmednagar)

18 November 2017. Recorded an interview named Rabibarar Paribar at Doordarshan (TV). Telecasted at DD Bangla, Kolkata on 17th December'2017.

24 November 2018. Recorded sitar recital at All India Radio, Kolkata. Broadcasted on 5th Dec. 2018.

04 December 2018. Delivered lecture and demonstration at Sikkim University, Gangtok.

18 December 2017. Attended as an expert member in UGC NET workshop in Delhi.

8-9 February 2018. Attended NAAC Orientation Programme for NAAC Assessor at NAAC office, Bangalore.

23 February 2018. Performed Sitar recital at Uttarayan complex, Visva Bharati on the occasion of Poetry Festival organised by Bengali Dept. Visva Bharati, Sahitya Academy & Ministry of Culture, Govt. of India.

12 March 2018. Attended the National Seminar of Music as resource person at Rabindra Bharati University, Kolkata.

13 March 2018. Attended as an external expert member in Board of Study meeting at Assam University, Silchar.

16 -17 March 2018. Attended as resource person and delivered lecture in the National Seminar of Music at Agrasen Kanya PG College, Varanasi. Also performed a Sitar recital.

19 -24 March 2018. Attended as an expert member in UGC NET workshop in Delhi.

Prasanta Kumar Ghosh

21-22 May 2017: Solo performance at Rabindra Sadan, Kolkata on the occasion of the celebrations of the Poet's Birth Anniversary. Also gave music direction & performed in Tagore's Drama "Taser Desh" under the project of Rabindra Sangit Gabesana Kendra, Sangit-Bhavana.

24 May 2017: Solo performance at Chittranjan, Burdwan on invitation of Area-7, Sinjuri Burdwan.

09 June 2017: Performed solo Rabindra Sangit at Rabindra Tirtha New Town, Kolkata at the invitation by Tagore Centre, Kolkata

08 August 2017: As solo performer in 22se Sraban mandir performed by Sangit-Bhavana.

Songs performed in Book release "Rabindra Saptaher Bhashanabali & Kalanukramik Balmiki Pratibha" edited by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana. Also sang in Briksha Ropan, participated and performed by Sangit-Bhavana at Sangit-Kala New Building, Visva-Bharati.

10 August 2017: Solo songs perform at Rabindra Sadan, Kolkata on the occasion of death anniversary Gurudev Rabindranath Tagore.

23 December 2017: Solo song performance in 7th Pous (Upasana) at Chhatimtala organized by Visva-Bharati Karmiparishad.

28.02.2018: Music Direction in Tagore's 'Navin' Natika, performed by Students of Sangit-Bhavana at Asrama Ground on the occasion of Vasanta Vandana, organized by Karmi Parishad, Visva-Bharati.

01 March 2018: Directed and Performed in Rabindranath Tagore's Drama "Chandalika" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

Manini Mukhopadhyay

27 April 2017. Gave solo performance at Baidyabati, Hooghly.

9 June 2017. Participated in programme "Tagore-Einstein Dialogue in the light of Buddhist Philosophy" at Rabindra Tirtha, New Town, Kolkata.

20 August 2017. Participated in programme "Dinanta Belai" organized by Saptak, Santiniketan and held at Rabindra Tirtha, New Town, Kolkata.

13 October 2017. Solo Radio Recording at Prasar-Bharati, All India Radio, Kolkata.

15 November 2017. Participated in "Rup theke Rupe" programme organized by Saptak, Santiniketan for Doordarshan, Santiniketan.

29 December 2017. Gave solo performance at Sangit Mela at Mohar Kunja, Kolkata.

Amartya Mukhopadhyay

March 2018. Presented a paper at a National Seminar on 'Modern Indian Theatre in Global Perspectives' at Rabindra Bharati University, Kolkata.

He directed several plays and also performed in some of them.

a) Raktakarabi, April 2017, Doordarshan.

b) Taser Desh, May 2017, Rabindra Sadan, Kolkata.

c) Phalguni, May 2017, Doordarshan.

d) Guru, September 2017, Sharadotsav, Santiniketan.

e) Balmiki Pratibha, January 2018, International Theatre Festival, Santiniketan.

- f) Balmiki Pratibha, January 2018, International Theatre Festival, ICCR, Kolkata.
- g) Nabin, February 2018, Basantotsav eve, Santiniketan.
- h) Rabindra Janmotsav, Visva-Bharati, 2017.
- i) Rup theke Rupe, RabindraTirtha, Kolkata, June 2017. Also Doordarshan telecasted it from January to March 2018
- j) Balmiki Pratibha, Sharadotsav, Sept 2017.

He delivered the following talks

- a) PoushUtsav (Talk), All India Radio, Dec 2017.
- b) Kshonik Basanta, Recitation for Album, Feb 2018.
- c) Basanter Desh, Recitation for Album, Feb 2018.
- d) International Poetry Festival, Recitation, Santiniketan, Feb 2018.
- e) 'Basantotsav' (talk show), represented Visva-Bharati, Doordarshan, February 2018.

Ranjani Ramachandran

8-9 July, 2017. Conducted Workshop on "Introduction to Hindustani Classical Music" for students of the Department of Animation Cinema, Satyajit Ray Film and Television Institute (SRFTI), Kolkata.
6-8 December 2017. Participated in International Seminar "Writing and archiving Music Histories: Challenges and Conversations" organized by Centre for Studies in Social Sciences, Kolkata. Paper presentation "Analysis of a gayaki. A Musician's Perspective of Practice and Theory." Also gave a concert.

16 April 2017. Concert in Mumbai; 40th Sangeet Samrat Alladiya Khan Sangeet Samaroha; Balvikas Sangh Hall, Chembur.

7 May 2017. Concert in Varanasi on the occasion of 1st Death Anniversary of Pandit Balwantrao Bhatt; at Pandit Omkarnath Auditorium, Banaras Hindu University.

8 May 2017. Concert in Varanasi; Subah-e-Banaras.

23 June 2017. Concert in Mumbai; Horizon Series organized by ICCR held at NGMA Auditorium.

19 August 2017. Concert in Mumbai; "Khayal Rang" organized by First edition Arts, Mumbai; Ravindra Natya Mandir, Dadar.

23 November 2017. Concert in Santiniketan; organized by 'Dhrupadi'.

10 December 2017; Dialogue & Conversations between Hindustani and Carnatic Musicians: Ranjani Ramachandran, T.M.Krishna; G5A Foundation for Contemporary Culture, Mumbai.

Sri P.Mukunda Kumar

08 June 2017. Kathakali performance at Guruvayur Temple at Thrissur, Kerala

08 October 2017. Kathakali performance at Irinjalakuda (Thrissur, Kerala).

9-10 October 2017. Kathakali performance at UWS Kalanilayam (Kerala).

10 January 2018. Kathakali performance at Guru Govindan Kutty Memorial Hall (Kolkata)

02 March 2018. Kathakali performance at Thrissur(Kerala)

10 March 2018. Kathakali performance at Irinjalakuda(Kerala) on 10th March, 2018.

Saptarshi Ray:

22 May 2017. Performed solo songs in Drama "Tasher Desh" at Rabindra Sadana, Kolkata

Mrityunjay Kumar Prabhakar

2 February 2018. Presented a Paper entitled "Changing Practice of Indian Theatre in 21st Century" in a National Seminar organized by Department of Drama, Rabindra Bharati University, Kolkata.

15-17 January 2018. Presented paper entitled "Marginality in Ancient Indian Theatre" in an International Seminar organized by Indian Society for Theatre Research and Mahatma Gandhi Antarrastriya Vishvavidyalay, Wardha.

9-11 November 2017. Presented "The Multiple Narratives of Marginality in Ancient Indian Theatre" at National Seminar organized by Bhasha Bhavana, Visva-Bharati.

24-25 August 2017. Delivered lecture on "Method and Instruction in Second Language Teaching through Theatre" at National Seminar organized by Tamil and Marathi Language Unit, Bhasha Bhavana, Visva-Bharati.

15 February 2018. Participated in One Day Seminar on 'Rabindra Nath Tagore' organized by Kalyani Kalamandalam, Kalyani, West Bengal.

17-18 March 2018. Delivered talk on "Ban Sahitya me Saundarya Shastra" at 'Ban Mahotsav' organized by Kalidas Academy, Ujjain (Madhya Pradesh) in Seedhi.

20-22 January 2018. Participated in Seminar on Indian Aesthetics organized by Lalit Kala Kendra, Savitribi Phule Pune University, Pune.

16 August 2017. Participated in National Level Workshop on Curriculum Development for Drama organized by Department of Drama, Rabindra Bharati University, Kolkata.

Participated and performed in the extension activities/NSS/Cultural and other activities organized by the Department.

MOU signed between Sangit-Bhavana, Visva-Bharati and JNMDA (Manipuri University).

18 August 2017: Patriotic Songs performed Faculty and Students by Sangit-Bhavana on the occasion "Jai-Ho" organized by MHRD, Government by India.

15 September 2017: Presented Tagore's Drama 'GURU' at Natyaghar participated of Sangit-Bhavana Students on the occasion of Sarodotsava.

30 October to 2 November, 2017: Performed opening song and closing song with a cultural programme at Lipika, Visva-Bharati on the occasion of International film festival, organized by Visva-Bharati.

17 -18 November 2017: Folk dance "Raibeshe Dance" performed by Students of Sangit-Bhavana at Kala-Bhavana organizing a conclave titled 'Living Traditions: A Conclave on folk & Tribal Art and Performances of Bengal & North East.'

15.01.2018: Tagore Geetnatya "Balmiki Pratibha" performed in ICCR, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

28.02.2018: Tagore's 'Navin' Natika, performed by Students of Sangit-Bhavana at Asrama Ground on the occasion of Vasanta Vandana, organized by Karmi Parishad, Visva-Bharati.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Smt. Arpita Dutta (Das)

Grade 'B High' Artist in Rabindra Sangit, Prasar Bharati All India Radio Kolkata.

Amartya Mukhopadhyay

Attended Refresher Course on 'Visual and Performing Arts' at Himachal Pradesh University, Shimla. From 10 June 2017 to 1 July 2017 and certified as 'A' - Grade.

He served as Secretary, VB Karmi Mandali, VB Karmi Parishad, VB Drama Committee. He was Convenor, Cultural Committee of PoushUtsav 2017, Asstt. Co-ordinator, Kalanukramik Rabindrasangit Prakalpa RSGK., Member of VB Mandir Committee, Daily and Monthly Radio Programme Committee, Visva-Bharati and Sangit-Bhavana Centenary Year Celebration Committee.

Ranjani Ramchandran

Used archival recordings for teaching and learning as a means to introduce students to the stylistic diversity of different musicians. She was also involved in creating awareness (amongst the students) on the use of digital information in music available on the web and introducing them to websites specifically focused on Hindustani classical music traditions, and co-ordinator for various student music presentations.

Sri P. Mukanda Kumar

Designed theoretical and practical syllabus for B.Mus and M.Mus

Publications within the year April 2017-March 2018.

Amartya Mukhopadhyay

Balmikipratibha / Kalanukramik Sonkolon (Edited), Visva-Bharati, Kolkata, Aug 2017, ISBN : 978-81-7522-657-9.

Rabindra Saptah Bhashan 1423 (Jnt.Edited.), Visva-Bharati, Kolkata, Aug 2017, ISBN : 978-81-7522-661-6.

Rabindranatak : Bichitra Bismay (2nd Edition) : Saptarshi Prakashan, Kolkata, , Aug 2017, ISBN : 978-93-827-0694-6.

Ranjani Ramchandran

Published article "Stylistic Diversity within the Gwalior Gharana". Ranyabina (2017). pp. 141-151. "A Musical Polymath". Economic & Political Weekly Vol. LII No. 46 (November 2017). pp. 111-112.

Mrityunjay Kumar Prabhakar:

Hindi Ka Janpakshdhar Rangmanch (Edited). Antika Publication, New Delhi, ISBN No. - 978-93-85013-83-6.

Designing New Course /Curriculum or any other teaching innovations introduced by the Department

Introduced M. Phil. Course.

Introduced Rabindranritya in Sangit-Bhavana.

Introduced new course Choice Based Credit System (CBCS)

Sangit-Bhavana is fortunate to have Prof. Sitansu Ray, Emeritus Professor, Prof. Arup Ratan Bandopadhyay, Emeritus Professor and Prof. K. Jatindra Singh, Visiting Professor to impart lessons according to its regular and new curriculum.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plan for development

Sangit Bhavana as an Institute of Music, Dance & Drama under Visva-Bharati University is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals e.g. Bengali New Year day and Tagore`s birthday, 7th Pous, Festival of the rains, Tagore week, Tree Planting Ceremony, the Autumn festival, Spring festival as well as weekly Mandir Services (Upasana) etc., as laid-down in the statutes of the University since the time of Rabindranath Tagore. Innumerable other musical soirees are also presented in honour of respected guests of the University, seminars of other departments throughout the year. These are activities which lie outside the syllabi of the institute but are integrating factors which help our students to become acquainted with stage performance and become individual performers in later life. This is also considered as an essential aspect which uplifts the tradition of Santiniketan.

It has been increasingly felt that the dance thoughts of Rabindranath Tagore need to be put within a systematic syllabus, which will portray the essence of Tagorean thoughts regarding dance. Hence we sincerely feel that our forthcoming course on Rabindranritya will come up with a contribution to the tradition in Santiniketan.

The Centre for Esraj is another area where the Bhavana feels that it will contribute to the preservation and practice of this rare instrument, which was a favourite of Tagore. Through this Centre we hope to patronize the practice, playing and theorizing the instrument in all manners.

Particulars in details of the Departmental Library

[Please note that columns must be filled up as per requirement of the UGC]

(a) Area in (square meters) quoted for the Library	:	472.11 Square meter.
(b) Is there separate provision for Reading Room ?	:	Yes
(c) Total No. of books	:	36,396. (Books) including 150 (CD/DVD) Gift book: 367
(d) Total No. of books purchased during the year	:	159
(e) Total No. of Periodicals	:	2000 (Bound volume)
(f) Total No. of Periodicals purchased during the year	:	12
(g) Total no. of readers.	:	1341
(h) Total Numbers of books and periodicals issued	:	4124 (through LIBSYS) Class issue: 127
(i) Total No. of Staff-members (category-wise)	:	Total no of staff members at present 01
Assistant Librarian	:	One post (Vacant since retirement)
Professional Assistant	:	One post (Vacant since 01.08.2016)
Semi Professional Assistant	:	1
Peon	:	Vacant

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included

We are bestowed with the responsibility to organize different seasonal and day-marked programmes with the help of thr teachers of the institute who are equally involved with regular academic works. The vision of the great teacher Rabindranath was to give a complete education to the students by which all the humanitarian and cultural aspects, traditional values, philosophical values of life, thoughts, etc., would be imbibed in them. His vision was not to produce mere degree holders but to mould and shape the students in to real humans who would have in themselves all the higher and subtle values of life.

**VINAYA-BHAVANA
(INSTITUTE OF EDUCATION)
DEPT. OF EDUCATION**

A BRIEF HISTORY OF THE DEPARTMENT OF THE BHAVANA

Vinaya-Bhavana, known 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 and an Institution of National Importance by an Act of Parliament, Government of India in the year 1951. The Institute offered the enriched B.Ed. and M.Ed. Programmes till 1998 with a growing demand among the schools for the passouts of Vinaya Bhavana, the then, containing only Department of Education.

Keeping pace with the changing time and needs, the institution has 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. Department of Education now offers two-year B.Ed. programme, two-year M.Ed. programme, two-year M.A. Education programme and Ph.D. programme in Education. Department of Physical Education provides three-year B.A./Bask (Hons) in Physical Education, one-year B.P.Ed., and two-year M.P.Ed programmes along with Ph.D. in Physical Education. The Bhavana library has a rich collection of more than 20,870 books and 3,456 Periodicals. There is a facility of 'Gitanjali Net' connection in the library to serve the needs of the students and teachers of both the Departments.

Department of Education

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 praxis of Education by bridging the gap between theory and practice. Orientation and Training of teachers, initially of craft and afterwards of secondary and masters' level teachers have been its prime concern.

With the passage of time and keeping pace with the contemporary demands, the Department has relentlessly worked and revived its programmes like M.Ed. and B.Ed. with enhanced duration of two years. In course of time the Department widened its scope by way of adding M.A. (Education) Programme as a liberal stream of Education alongside its mainstream, with which it was started. Doctoral level research programme is gaining momentum in the Department at this moment. Its members of faculty have always made their remarkable contributions towards formulation of National Policies of Education and Curriculum Frameworks of NCTE, NCERT and Model Curriculum of UGC.

YOGIC ART & SCIENCE

Departmental Seminar (Speaker, Title of the Seminar, Date)

Pyramid Spiritual Societies Movement, Kolkata organised a meditation workshop on 5th February and 5th March, 2018

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.: Not Applicable

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

Activity	Date
1. The students of the Department of Yogic Art & Science perform their voluntary service in the Gandhi punnahaya occasion as NSS Volunteer.	10.03.2018
2. Students and Teachers attended national seminar on Recent Trends in Yogic Science at Ramkrishna Mission Vivekananda University, Belur, Howrah.	11.03.2018

Academic distinctions gained by teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc.): Not Applicable

Publications within the year April 2017- March 2018: Not Applicable

Designing New course/Curriculum or any other teaching innovations introduced by the Department:

- Using smart phone as a teaching aid.
- Using background music in the time of teaching learning process for creating a friendly environment and better understanding of the topic.

A brief history on the development of the Bhavana/Sadana/Vibhaga/concerned with an indication of the future plans for development:

- Maharshi Devendranath Tagore started Santiniketan Ashrama for a meditation retreat. Then his son, Gurudev Rabindranath Tagore started a Bramhacharya Vidyalaya, a traditional ancient Tapoban type of School, where Yogavayama was compulsory. Slowly, this became a college and ultimately flourished as a University, known as Visva-Bharati. From the inception, Yogavayama was compulsory in Tagore Educational ideology. In 1951 the Visva-Bharati became a Central University, with a national importance. In late nineties, Government of India offered Visva-Bharati to start a Department of Yoga and Human Consciousness. Somehow it was not materialized on that time. In 19th May, 2016 again MHRD and UGC recommended Visva-Bharati to start a Department of Yogic Art & Science, which was accepted in the Academic Council on 30.05.2016. Finally the Department of Yogic Art & Science has been started on 15th May, 2017 on the occasion of 200 year birth anniversary of Maharshi Devendranath Tagore.

- ii) Presently the Department offered B.Sc.(Hons.) in Yoga and PG Diploma in Yoga. In future the Department will offer Masters' degree and Ph.D. programme. Also certificate course in Yoga and P.G. Diploma in Yoga Therapy will start in future.
- iii) In future the department will start an International Research Centre on Yoga Vayayama and related areas.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included:

The Department of Yogic Art & Science is an open air school with traditional Indian culture. In future, a Yoga Gram (a Yoga Village) will be established with cottages of Asana, Pranayama, Kriya, Mudra and Meditation. A Yogic Hospital with Ayurvedic and Naturopathy treatment will come up in near future for the practical class and for treatment purpose. Ayurvedic-Herbal garden will flourish near to the department to preserve the extinct Indian medicinal plants and herbs with a landscaping garden for the practical classes and for the interested visitors.

DEPARTMENT OF PHYSICAL EDUCATION

Name of the Students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Sl. No.	Name	Exam
1	Sk.Noor Kalam	NET
2.	Multan Khan	NET
3.	Anjan Biswas	NET
4.	Ramananda Ghosh	NET

Departmental Seminar (Speaker, Title of the Seminar, Date):

- (i) J. Benz, Canada: National workshop: Lifestyle management technique - 25th to 27 August, 2017
- (ii) National Seminar: Issues and challenges in Sports Science - 25th March, 2018

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.

Prof. Samiran Mondal

- i. Chairperson in a session, International Conference on "Issues on Challenges in Sports Science" at Bangladesh Krida Siksha Pratisthan, 22-23 November, 2018.
- ii. Resource person in an International Seminar on Global Education, Physical Education, Sports, Research and Technology for sustainable development, at Seva Bharati Mahavidyalaya, Dist. Paschim Medinipur, 9th December, 2017.
- iii. Resource Person, National Seminar on Physical Education as a Challenging Profession for New generation, organised by GPECW, Hooghly, 17th January, 2018
- iv. Resource Person, National Seminar on Physical Education and Sport Sciences in the 21st Century, at Department of Physical Education, Jadavpur University, 22-23 March, 2018.

Prof. Sagarika Bandyopadhyay

- i. Resource Person of the NCERT (National Council of Educational Research and Training) Workshop on "Health and Physical Education" held on August 01-04, 2017 at the NCERT Campus, Sri Aurobindo Marg, New Delhi.
- ii. Workshop (National) Director, "Lifestyle Management Techniques" organized at the Department of Physical Education, Vinaya-Bhavana, Visva-Bharati on August 25-28, 2017
- iii. Chairperson of Scientific session at the National Seminar on "Issues and Challenges of Sports Science" organized at the Department of Physical Education, Visva-Bharati on March 25, 2018
- iv. Attended Webinar Workshop on "Sports Sciences" of the ACSM (American College of Sports Medicine) on September 16, 2017.

Dr. Mahesh Sawata Khetmalis

- i. Workshop and Seminar in connection with 155th Birth Anniversary of Swami Vivekananda, organised by Government Physical Education College for Women, Hooghly, West Bengal, 12-17 January, 2018.
- ii. Resource person in National Conference in Sports organised by Mamasahab Mohol College, Pune, Maharashtra, 02-03 February, 2018

- iii. Resource person in National Conference on Current trends in Sports Psychology for Enhancing Sports Performance organised by Loknete Vyankatrao Hiray Arts, Science & Commerce College, Nashik, Maharashtra, 06-07 February, 2018.
- iv. Chairperson in National Conference on "Physical Education and Sports Sciences in the 21st Century," organised by Department of Physical Education, Jadavpur University and WBCIPE, 22-23 March, 2018.
- v. Chairperson in National Seminar on "Issues and Challenges of sports Science", organised by Department of Physical Education, Visva-Bharati, Santiniketan, 25th March, 2018

Dr. Sudarsan Biswas

- i) 27th to 30th August 2017: 2017 FISU World Conference Taipei on "Development through Sports"
- ii) 10th December 2017: Resource Person in International Congress on " Global Innovation and Research in Education, Sports Science and Yoga" Organised by Mahisadal Girls' College, Purba Midnapur.
- iii) 11th December 2017: Chair Person in International Congress on " Global Innovation and Research in Education, Sports Science and Yoga" Organised by Mahisadal Girls' College, Purba Midnapur
- iv) 6th & 7th March 2018: Resource Person in National Seminar on "Mission Olympic through University Sports (MOTUS)2018" Organized by Chaudhary Charan Singh University, Meerut.
- v) 8th to 10th March 2018: Resource Person in International Conference on "Issues and New Ideas in Sports Management" Organized by L.N.I.P.E., Gwalior.
- vi) 29th August 2017: Oral Paper presented on "Indian Universities Sports and Perspective to participation in World Universiade Games" at the 2017 FISU Conference on "Development through Sports" at the University of Taipei.
- vii) 25th March, 2018: Co-Chair Person in National Seminar on " Issues and Challenges of Sports Science" Organised by the Department of Physical Education, Visva-Bharati.

Dr. Sentu Mitra

- i. Act as the Chairperson in a scientific session at the National Conference on Physical Education and Sports Sciences in the 21st Century organized by the Department of Physical Education, Jadavpur University, under the aegis of West Bengal Committee of Institutes of Physical Education, 22-23 March, 2018.
- ii. Act as the Chairperson in a scientific session at the National Conference on Issues and Challenges in Physical Education and Sports Sciences in the 21st Century organized by the Department of Physical Education, Vinaya Bhavana, Visva-Bharati, 25th March, 2018.

Abhijit Thander

- i. Presented Paper on A CONTEMPORARY HORIZON OF ANALYSIS IN FAST BOWLING TECHNIQUE FROM TRANSVERSE PLANE and act as Co-chairperson in National Seminar on "Physical Education and Sports Sciences in the 21st Century" organized by the Department Physical Education, Jadavpur University, 22nd and 23rd March, 2018.
- ii. Acted as Co-chairperson in National Seminar on "Issues and challenges of Sports Sciences" organized by the Dept. of Physical Education, Vinaya Bhavana, Visva-Bharati, 25th March, 2018.

Kallol Chatterjee

- i. 7days workshop on coaching and officiating in Volleyball, International Conference on issues & new ideas in sports management.

On-going Research Project in the Department:

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Dr. Mahesh Sawata Khetmalis	Minor Research Project	UGC, New Delhi	83,000/-

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department

Activity	Date
1. Students participated in Recreational and Competitive Sport Internship programme in 30 adopted villages	
2. Students participated in Recreational and Competitive Sport Internship programme in 20 Primary School	
3. Celebration of Gandhi Punnahaya by the NSS Volunteers	10th March, 2018
4. 3rd Traditional Sport Festival	2nd March, 2018
5. Department of Physical Education and Sports Science, Jessore University of Science and Technology, Bangladesh visited our department for a cultural exchange programme.	14-15 December, 2017
6. 2 nd Recreational Sport Festival	August, 2017
7. Badminton Workshop by West Bengal Badminton Association	2nd July to 8th July, 2017
8. Intramural Competition on Sports and Cultural activities	

Prof. Sagarika Bandyopadhyay

- i. Member, Board of Studies in Tagore Studies of Visva-Bharati
- ii. Member, Board of Studies in Yogic Art and Science, Visva-Bharati
- iii. Member of the Selection Committees for Physical Education at the institute / organization of Central and State Governments
- iv. Member of the Board of Adjudicators for Ph.D. Evaluation of Pt. R.S.Shukla University, Raipur, CG; Utkal University, Bhubaneswar and F.M. University, Balasore, Orissa.

Dr. Sudarsan Biswas

- a) Select the University Players and organize coaching camps for various Inter University participation.
- b) Organised various Inter Department and Inter-Bhavana Competitions.
- c) Organised Ajoy Ghosh Memorial Trophy(Inter University in West-Bengal) as Organising Secretary.
- d) Special Lecturer in International Integration and Sports Cultural Relationship between the Department of Physical Education & Sports Science, Visva-Bharati and Jessore University of Science and Technology, Bangladesh on " University Sports in India".

Dr. Kallol Chatterjee

- i) Leadership Camp, international yoga day

Academic distinctions gained by teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc.):

Prof. Sagarika Bandyopadhyay

- i. Member, Textbook Development Committee on Health and Physical Education of the NCERT (National Council of Educational Research and Training), New Delhi.
- ii. Reviewer, Academic Journal : Educational Research Review
- iii. Associate Editor, International Journal of Physical Education, Sports and Health, P-ISSN Number: 2394-1685; E-ISSN Number: 2394-1693; CODEN Number: IJPEJB; Impact Factor (ISRA): 4.69
- iv. Member of Editorial Board, Journal of Sports Research, P-ISSN: E- ISSN: 2410-6534, Pak Publishing Group.

Publications within the year April 2017- March 2018:

Prof. Samiran Mondal

Journal Publications:

- 1. Biswanath Garai, Dr. Sridip Chatterjee, Prof. Samiran Mondal and Tirtha Mondal. Effect of Exercise on Platelet Variables: An Overview. International Journal of Physical Education, Sports and Health. 4(3):506-510, 2017. P-ISSN: 2394-1685, E-ISSN: 2394-1693.
- 2. Dr. Sridip Chatterjee and Prof. Samiran Mondal. Effect of combined yoga programme on blood levels of thyroid hormones: A quasi-experimental study. Indian Journal of Traditional Knowledge. Vol.16(Suppl) [June 2017]. Publisher: NISCAIR-CSIR, India. Int. Cl.8: C07, C07G 15/00, A61K 38/08, A61K38/22, G01N 33/48, A61B 5/145, A61K 5/02.
- 3. Bijay Kumar Bhagat and Prof. Samiran Mondal. Neurologic, cardiovascular and musculoskeletal injuries in weightlifting. International journal of scientific research. 7(2): 6-7. 2018. ISSN No 2277 - 8179.

Publications:

- 1. Sakaler Janno Vayama, Prof. Samiran Mondal, Dr. Santanu Patar, Classic Book, Kolkata.

Prof. Sagarika Bandyopadhyay

Publications: Book

- 1. Contributor to the Textbook on "Health and Physical Education -Class IX" of the NCERT (National Council of Educational Research and Training), New Delhi

Publications: Journals

- 1. Deboshree Koner and Sagarika Bandyopadhyay "Health Fitness of Mid Age Working Women and Non-Working House Wives - A Comparative Study" Indian Journal of Applied Research, Vol.7, Issue 4, April 2017; pp. 36-37, ISSN: 2249-5555X; Peer Reviewed and Referred International journal, Impact factor: 4.894
- 2. Arup Gayen, Sagarika Bandyopadhyay and Arkapal Bandyopadhyay "Interrelationship amongst Selected Metabolic Markers and Body Fat Distribution of Sedentary Mid Age Men" IOSR

Journal of Dental and Medical Sciences, Volume 17; Issue: 3; March 2018, pp 10-12; Peer Reviewed and Referred International journal, Impact factor: 3.6241.

Dr. Sudarsan Biswas

Publication:

- i) Dalia Begum, Dr. Sudarsan Biswas, "A Study on Relationship Between Intelligence and Fitness Between School Level Football and Volleyball Players" published by Indians Streams Research Journal, Volume-7, Issue-3, year- April 2017, ISSN: 2230-7850.
- ii) Sri Biswajit Garai, Dr Sudarsan Biswas, "A study on reaction ability between the students belonging to above and below poverty line of Birbhum District" Volume: 4, Issue: 5, year: 2017, page, no. 30-32, online ISSN Number:2394-1693
- iii) Sri Biswajit Garai, Dr Sudarsan Biswas, "A Comparative profile study of West Bengal University level Kho-Kho players" Volume: 4, Issue: 3, year: 2017, page, no. 421-428, online ISSN Number:2394-1693
- iv) Sri Madhu Sudan Hazra, Dr. Sudarsan Biswas, "A Comperative study on attitude towards Yoga between the students of education and physical education discipline" published in International Journal of Yoga, Physiotherapy and Physical Education, Volume :2, Issue: 4, July 2017, Page no.52-55 and online ISSN : 2456-5067.
- v) Sri Madhu Sudan Hazra, Dr. Sudarsan Biswas, "A study on mental skill ability of different age level cricket players" published in International Journal of Physiology, Nutrition and Physical Education, year: 2018, page no. 1177-1180, ISSN : 2456-0057.
- vi) Sri Madhu Sudan Hazra, Dr. Sudarsan Biswas, "Level of Participation in Cricket is a Predictor of Coping Skill Ability of the Players" published in International Journal of Creative Research Thoughts, Volume :6, Issue: 2, April 2018, July 2017, Page no.632-641 and ISSN : 2320-2882.
- vii) Sri Swarnava Mukherjee, Dr. Gopal Chandra Saha and Dr. Sudarsan Biswas, "Relationship of Speed with Muscle Strength and Leg Anthropometry of Below Poverty Line School Going Children" published in National Seminar on Fit and Healthy India- Vision 2020: A Physical Education Perspective, page no. 399 to 401, ISBN : 978-93-84869-24-3.
- viii) Dalia Begum, Dr. Sudarsan Biswas, "A Study on Relationship Between Intelligence and Fitness Between School Level Football and Karate Players" published by Golden Research Thoughts, Volume-6, Issue-10, year- April 2017, ISSN: 2231-5063.

Member:

- 1) Life member of the Sports Psychology Association of India.
- 2) Honorary President of Ananda Yoga Centre.
- 3) Life member of National Association of Physical Education and Sports Sciences.
- 4) Member, Seminar Sub-Committee of The Cricket Association of Bengal
- 5) Member, College Sub-Committee of the Indian Football Association(W.B)
- 6) Chairman, University Sports Development Sub-Committee of the West Bengal Basketball Association.
- 7) Vice-President of the West Bengal Judo Association
- 8) Member of Calcutta Judo Club.
- 9) Member of United Cricket 1st Division Club, Kolkata.

- 10) Secretary, Visva-Bharati Sports Board.
- 11) Member Convener, Working Committee of the Visva-Bharati Sports Board.
- 12) Member of the Visva-Bharati Cooperative Credit Society.
- 13) Project Manager & Member Convener, Visva-Bharati Swimming Pool.
- 14) Member of the PWD (Person with Disabilities) Committee of Visva-Bharati.
- 15) Member, International Day of Yoga 2017 Committee at Visva-Bharati.
- 16) Member of the Expert Committee of West Bengal State University for Spot evaluation of ongoing project for the development of Sports Infrastructure and Equipment.

Dr. Mahesh Sawata Khetmalis

- i. November 2017: Published Paper, 'analysis of the dominating power of serve reception in volleyball in different levels of competitions', International journal of innovative knowledge concepts. Online ISSN: 2454-2415.
- ii. November 2017: Published Paper, 'current scenario of gross motor development in children', International journal of innovative knowledge concepts. Online ISSN: 2454-2415.
- iii. November 2017: Published Paper, 'analysis of the dominating power of serve in volleyball in different levels of competitions', International journal of innovative knowledge concepts. Online ISSN: 2454-2415.

Mr. Abhijit Thander

Paper publication in Peer/reviewed journals (UGC Listed)

- i. Adaptations of Physiological State After 5- Over Bowling Spell In Cricket: A Pilot Study." International Journal of Health, Physical Education and Computer Science in Sports 26.1 (2017): 82-84.
- ii. Analysis of Shoulder Alignment to Assess Pace Bowling Action: A Pilot Study. International Education and Research Journal, (2017) 3(5), 536-537.
- iii. A study on front foot placement and its effect on bowling action in cricket. International Journal of Applied Research, (2017). 3(6), 578-580.
- iv. Bowling Speed in Relation to selected kinematic Variables of Pace Bowlers in Cricket. March, 2017, WBCIPE Journal, ISSN: 2348-0777, 3 (1), 6-9

Dr. Kallol Chatterjee

Publication:

- i. Mrinal Das, Dr. Kallol Chatterjee, A Comparative Study on General Motor Ability between Non-Govt. B.P.Ed College and Govt. Aided Under Graduate College Male Students, 2017, Vol. No.I, pages 352-356.
- ii. Champak Bhadra, Dr. Kallol Chatterjee, Effect of Different Duration of Trataka on Heart Rate Variability, 2017, Vol. No.I, pages 357-363.
- iii. Champak Bhadra, Dr. Kallol Chatterjee, Effect of Trataka on Pulse Rate of College Level Male Children, 2018, Vol. No.I, pages 873-875.

Designing New course/Curriculum or any other teaching innovations introduced by the Department:

- i) Designing of B.A/B.Sc (Hons) in Physical Education in CBCS pattern.

- ii) Use of smart phone in the class room for active participation of the student.
- iii) Using Video Method for evaluation in practical activities.

A brief history on the development of the Bhavana/Sadana/Vibhaga/concerned with an indication of the future plans for development:

- i) Department of Physical Education was started in 1998 with an Undergraduate Honours course. In 2001 Postgraduate programme was introduced followed by Ph.D. programme. Presently in the Department of Physical Education one undergraduate honours course and two NCTE recognised sport (B.P.Ed. and M.P.Ed.) are being conducted. All the faculties are engaged with specialised research area such as physiology, exercise and sports psychology, sports biomechanics, sports technology, sports training etc.
- ii) Recently, the name of this Department has been changed and the new name is Department of Physical Education and Sport Science. It has already been accepted by the Academic Council and will be ratified in Executive Council accordingly. In future we are planning to start eight scientific laboratories for research and development of general health and sport performance.
- iii) A smart class room may be opened in near future for the benefit of our students. We are planning to accumulate latest scientific instrument for our state of art laboratories. In future all the laboratories may provide qualified laboratory technicians and other staff members for teaching and research purpose, department may be open for 24 hours to communicate with the foreign countries on their real time zone.
- iv) In future we would like to develop our various sports field, for example - all weather synthetic court for basketball, volleyball, special mat for kabady, wrestling, Zudo, Tikondo, Caretee, synthetic track for athletics, indoor course for badminton, squash, table tennis, volleyball, basketball, cricket etc. Zone for archery, shooting etc. synthetic ground for hockey, handball, football etc., walking and jogging track with lighting facility, driving pool, children's swimming pool, cycling area. State of art gymnasium with weight training, weight lifting and power lifting facilities.
- v) In future the Department would be a Centre for Excellence in Exercise and Sport Science in the world.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included:

The Department of Physical Education is now one of the best department in India. The department expanding its activities in the form of sport cultural exchange programme with neighbouring foreign countries like Bangladesh, Nepal, Bhutan, Myanmar, Sri Lanka and China etc.

PALLI SAMGATHANA VIBHAG
Department of Lifelong Learning and Extension
(Rural Extension Centre)

Introduction:-

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 inception of Sriniketan Experiment (1922). Over the years the department has been giving emphasis on extension and mass education programmes to encourage the villagers to become self-reliant. From inception, the 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 as envisaged by Gurudev Rabindranath Tagore. Considering the growing demands of the society, the Department of Lifelong Learning and Extension (REC) also spread its area of work. Presently, the department provides extension and field outreach services to 50 villages, which are scattered in two Community Development Blocks and under eight Gram Panchayats for holistic development. The rural reconstruction works in the villages carrying out and implemented through the village Development Societies (VDS) situated in the villages were closely and actively associated with the department. Village Development Societies working at the grass root level for implementing as well as formulating different extension activities of the department.

Department of Lifelong Learning & Extension (REC) has adopted an integrated approach to work in three vital areas viz. Teaching, Research and Extension & Field Outreach Programmes.

Teaching & Research Programmes:

- I. Two year Master Degree in Rural Management
- II. A short term diploma courses on 1) Diploma in Horticulture (DH) 2) Diploma in Rural Tourism (DRT) under Community College Programme from the academic session (2016-2017).
- III. Offering regular Ph.D Programme.
- IV. Regular research programme funded by various funding agencies.

Operational Area of Rural Extension Centre:

Blocks covered : 2 (Two), 1) Bolpur-Sriniketan 2) Illambazar

Gram panchayats: 8 (Eight)

Name of the panchayats: Under Bolpur-Sriniketan Block: 1) Raipur-Supur 2) Konkali 3) Sattore 4) Kosba 5) Sain-Muluk 6) Ruppur 7) Albandha-Sorpalehna

Under Illambazar Block: 8) Illambazar.

Total villages covered: 50 (Fifty)

Nature of villages in terms of caste domination:

- a) Number of ST dominated villages: 09 (Nine)
- b) Number of SC dominated villages: 04 (Four)
- c) Number of Minority dominated villages: 06 (Six)
- d) Number of Mixed caste villages: 31 (Thirty one)

Among the manifold and multifaceted activities of REC the following are the most important:-

I) Village Development Societies (VDS):

The village development societies are the focal point of services of the Department of Lifelong Learning and Extension. Further, all the command area villages were grouped under five clusters. The name of the five clusters are Rathindra, Kabiguru, Pratimadevi, Elmhirst, Kalimohon and all these clusters have conducted their meetings on regular intervals for developmental activities in their respective villages.

During this year, partial financial assistance was given to VDSs for the construction, electrification, repairing of society buildings, purchase of essential materialsetc. Village Development Societies are also facilitated with partial financial assistance for conducting cultural programmes, health awareness programmes, sports and other extension programmes in their respective villages by involving local people, resources and institutions.

Youth Development Workshop was organised by the Department at Surul village for discussion on decentralize library meeting at Five Cluster andstrengthening Cluster Level Extension Programmes. Total 150 participants including Secretaries of VDS, MohilaSamities, Librarians, Asst. Librarians participated in the programme. 12 AWWs of the locality was given Anganwadi kits for strengthening their services. This year, as a part of exposure visit programme, total 38 secretaries of village Development Societies participated in exposure visit programme for sharing their experiences and activities with functionaries of Rupayan, Gosaba(affiliated to NarendrapurLokosikshaParishad) at Sundarban, South 24 Pgs. 23 Footballs and 23 Volleyballs distributed among village development societies for promotion of sports in their villages.

Village Development Societies at a Glance

Types of Village Development Societies (Presently Functioning)	Number	No. Of Villages Covered	Societies under Registration Act
Youth Societies	39	50	38
MohilaSamities	12	12	10
Health Society	1	1	1

Mohila Samities (Women's Forum):

Women empowerment is one of the intervention areas of the Department since its early days. For women empowerment the need for formation of MahilaSamities in the villages had been felt long ago since the time of inception of Rural Extension Centre. Addressing the social issues concerning women is the main task of MahilaSamities. Presently, the department has 12 MahilaSamities in the operational area. In connection with women empowerment, different types of awareness and training programmes have been conducted with active support of the MohilaSamities. Besides, they also participated in the MohilaSamabesh on the occasion of Sriniketan annual festival 2018.

Mohila Samities at a Glance

No. of Mahila Samities	No. of Villages Covered	No. of Registered Societies
12	12	10

Brati Organisation:

Rural boys and girls between 9 and 14 years of age are mobilised into groups and motivated for welfare and different innovative activities in their respective villages by their own efforts based ideals of Gurudev. The objectives of the programme are: -

To develop the spirit of community services among the children through Brati organization.

To undertake physical exercise in group in villages and to make a sound body with a sound mind of children through Brati organization.

To develop an awareness among the children and the society the natural equilibrium & environment education.

To develop leadership qualities among the children of Brati organization through group dynamism.

During last year, the Department has formed 23 such Brati Groups in 20 villages under the command area of the Department. For successful implementation of the programme 5-days physical training programme was organized like previous year for the Brati leaders at Sriniketan centrally. The Brati Dal with active support of the Village Development Societies (VDS) conducted and participated in different activities such as Shramdan (offering labour), drawing competition, cultural programmes, and publication of wall magazine, craft making, and leaf collection. Drawing, Sports, Craft making competition was also organized centrally rally at Sriniketan for the children of Brati Dals on the occasion of National Youth Day 2018 at Sriniketan. Besides, "Swachhya Bharat Avijan" was conducted with the Brati Dals in 18 villages through cleaning of drain, roads, tube well platform and pond side etc. Brati Dal attended programme of children's day celebration and they also performed in the programme of National Sports Day at Binaya Bhavana ground organised by Department of Physical Education, Visva-Bharati. Brati Dal actively performed in the inaugural programme of sports of Birbhum district organised by Birbhum District Primary Council at Bolpur Stadium. During this year Brati leaders also attended monthly seminar at Sriniketan for better implementation of Brati programmes.

During annual 'Brati- O -Yubo Samabesh' on 6th February, 2018, as many as 650 Brati children & 38 Brati Leaders with their 19 Brati organization along with the representatives from VDSs including the Librarians, Assistant Librarians and the SHG members participated and performed in different colourful programmes of Brati-O-Yubo Samabesh at Sriniketan play ground.

Brati Organization at a Glance

Number of Brati Organization			Number of Villages Covered	Number of Brati Members		
Male	Female	Mixed		Male	Female	Total
20	02	03	18	220	240	460

Self Help Groups (SHGs):

Organisation and supervision and developing Self Help Groups (SHGs) are another special programme of the department for women empowerment. The main objectives of the programme are-

To improve the socio-economic condition of the rural people particularly rural women through SHG intervention.

To develop the spirit of self-reliance and self-sustenance through SHGs among rural women.

To grow the habits of savings among the rural women.

To enable women to pool their own resources and use it for their income generation.

To develop the spirit of co-operation and self-help in the rural community.

Self- Help Groups at a Glance

No. of SHGs functioning under the Department	Groups (gender wise)	
	Male	Female
100	9	91

Activities conducted with SHGs :

SHGs in our command area villages, apart from their regular meetings, savings, linkages with banks etc. are also taking various entrepreneurial initiatives for improving their own socio-economic condition. Out of which fish farming, small business, agricultural and live stock activities are important. Members of 19 tribal SHGs formed 'Adivasi Mahadal' and they are participated in campus cleaning, library and other official activities in Visva-Bharati. This year, a training programme was conducted at Supur Primary School for SHG members for maintenance of their accounts and sharing of experience, problems and suggestions for better functioning of SHGs in villages. During this year, SHG members also participated in different awareness programme organised by the Department such as 'Swachha Bharat Avijan', 'health, hygiene and cleanliness'.

Rural Library Services:

Rural Library services are one of the important services of Rural Extension Centre through which literacy and education movement are carried out in the villages. Apart from this, another objective of this programme is to develop rural library as an information & cultural centre in the respective villages. This programme in rural areas has been carried out through network of 38 rural libraries with an active and financial support from Raja Rammohann Roy Library Foundation (RRRLF), Kolkata. Librarians and Assistant Librarians of rural libraries have been working voluntarily since inception of the programme.

The objectives of the programme are:

To develop regular reading habits among the village readers.

To develop rural library as a cultural communication and continuing education centre.

To develop self-reliance and self-confidence among the rural youth and students.

To provide all updated information regarding modern and advanced science and technology among the readers of rural library.

Retention of acquired literacy skill for the neo-literates.

To develop rural library as a Centre for sharing, sustaining and strengthening the knowledge base

of the people in general and students in particular.

Glimpse of Rural Library Services

No. of Blocks:	02 (i) Bolpur-Sriniketan (ii) Illambazar
No. of Gram Panchayats:	08
No. of villages covered:	38
No of Village Development Societies:	38
No of Functional Libraries	34
Library exclusively for Health purpose:	01 (Surul Health Society)
No. of Children Libraries:	12
No. of Children's Corner	01
No. of Senior Citizen Corner	01
No. of Computers	08
Library having internet facilities	01

Status of Books:

Total No. of books in Rural Library	1, 34,894
No. of books purchased during the year	4522
Specimen Copies of Books collected during this year	1049

Status of Readers:

No. of enrolled Readers	1610 (approx)
No. of Books issued and returns	20904 (approx)

Activities of the Library during this year:

Library day observation	21 Libraries
Wall Magazine Published by	04 Libraries
Cultural Programme with	18 Libraries
Total seminar organisedcentrally	09 nos.
Total Nos. Of Cluster Level seminar organised at Villages	15 (in a 3 months)

Building construction with the financial support from RRRLF

No. of library building constructed	: 26
-------------------------------------	------

Book Binding:

As per the demand of the Rural Libraries financial assistance was provided to them for binding of damaged and soiled books and as a result 285numbers of books made ready for the use of readers.

Children's Library:

Presently Rural Extension Centre has twelve children's library situated in 12 villages under its command area. These libraries are equipped with children books, Joyful learning materials, playing materials etc.

Other activities of Rural Library Services:

Each of the 35 rural libraries facilitated with 01 nos. of office table for rural libraries

Provided 02 nos of computer along with UPS to two (02) rural libraries namely Adityapur and Nurpur village

Distribution of 133 nos. of books (title) to each rural library this year.

Distribution of 868 nos. of specimen copy among the rural libraries.

Financial assistance provided to 21 libraries for conducting cultural programme in different occasion in their respective libraries involving library readers.

Special Initiative:

This year, special initiative was taken by the Department to organise monthly cluster level meeting at different rural libraries where readers, students, guardians of students, representatives of Panchyat and other stake holders of the department are invited for discussion on betterment of the functioning of rural libraries and initiatives for organising different library based programme such as SahityaSabha, quiz, debate etc. at rural libraries.

Special Awareness Programme:

This year, an awareness building programme on "Cleanliness, Health & Hygiene" was organized in collaboration with Raja Rammohan Roy Library Foundation (RRRLF), Kolkata, (Ministry of Culture, Govt. of India). This programme is part of strengthening "Swachha Bharat Avijan" and "BetiBachao and BetiPadhao" programme initiated by Govt. of India. Total 1591 participants (record participants in al India level By RRRLF) from SHGs members and girls students (IX to XII) of selected schools in our command area villages, members of MohilaSamities, trainees of home nursing, female rural librarians, female Brati leaders, media persons etc. participated in this programme. At the end of the programme certificates distributed by the dignitaries to 30 Home Nursing trainees under the Department. Banners, Chart, posters on "Swachha Bharat Avijan" and "BetiBachao and BetiPadhao" exhibited in different part of Fresco, Sriniketan. Craft Exhibition of SHGs and rural artisanwasalso organized. In the inaugural programme Prof. SabujkoliSen, Vice-Chancellor, Swami DivayanandajiMaharaj, Secretary, Ramakrishna Mission,Saradapith, Belur, Dr. Arun Kumar Chakraborty, Director General, RRRLF, Kolkata delivered their lecture.Dr.BodhirupaSinha, Principal,Patha-Bhavana,Visva-Bharati delivered a lecture on "Swachhata" and "Inculcating Reading Habits among the Students" In the second and interactive session Dr.PuspitaDebbarma, Medical Officer, PM Hospital, V.B. was the speaker on the subject "Health, Hygiene & Cleanliness" All the participants are benefitted by this educational awareness building programme on "Cleanliness, Health & Hygiene".

Running of Rural Health Clinic:

A Crucial initiative under Health Extension Activities:-

Under health extension activities the department has opened health clinic in Benuria and Raipur villages in the year 2013. In this Health Check-up unit villagers are getting regular free treatment facilitieswith free little medicine from these two health check-up units. Rural health clinic provided health check up facilities to 3758 patients in Benuriaand ---Raipur from inception up to March, 2018.

Agricultural Extension Activities:

This Department generally promotes awareness relating to agriculture and assist the VDS in extending

agriculture extension work in the villages. As a part to promote horticulture in the villages, 90 saplings of mango, guava and lemon were supplied to the 30 trainees of Home Nursing on the occasion of HalakarshanaUtsav on 9th August 2017 in Sriniketan. As a special drive to promote plantation in villages, the department organised tree plantation programme in Kartickdangavillage where as many as 50 mango saplings was supplied to the village for plantation in their village. Awareness programme on Horticulture was also organised in Kartickdanga village in collaboration with Department of Horticulture, Visva-Bharati. One of the important initiatives was taken by the department in collaboration with Department of Agriculture Marketing, Govt. of W.B. Under this programme, onion seeds distributed to 14 farmers from our command area villages.

Skill Development Training Programmes:

Imparting vocational training to the various section of population is one of the priority areas of the department. This year department organised number of short term vocational training programmes for skill development among rural youths and women of different villages.

Details of the Skill Development Training Programmes

Sl. No.	Name of the Trainings	Duration	Venue	No. of Participants
1.	Skill Development Training on Home Nursing in collaboration with St. John Ambulance, Suri	30 days	REC	30 participants from SHGs & Mahila Samities Member and Brati Dal etc.
2.	Skill Development Training on Beautician Management in Collaboration with Allahabad Bank, Bolpur	30 Days	Bolpur	
3.	Skill Development Training on Soft Toys Making in Collaboration with Allahabad Bank, Bolpur	10 days	Bolpur	
4.	Skill Development Training on Appliqué	15 days	Goalpara	30 SHGs Members

Continuing Education Programme:

Under continuing education programme different kind of awareness and sensitisation programmes were conducted as per the need of the community.

Training / Sensitisation/ Awareness Generation Programme At a Glance:

Sl. No.	Name to the Programme	Place Participant	Total Agencies/	Collaborative Distinguish Resource persons
1.	Awareness programme for AWWs and Asha Workers on use of technology in ICDS Centre	REC	30	ICDS Bolpur-Sriniketan and Block Primary Health Centre, Bolpur
2.	Awareness programme on Horticulture and rally on Swachha Bharat Abhijan	Kartickdanga	100	Department of Horticulture, Visva-Bharati
3.	Awareness cum rally on Swachha Bharat Abhijan	Nurpur	200	In collaboration with local Panchayat and VDS
4.	Awareness cum rally on	Supur	200	In collaboration with Swachha Bharat Abhijan local Panchayat and VDS
5.	Awareness programme against child marriage	Binuria Sumitra Balika Vidaalaya	400	In Collaboration with SumitraBalikaVidalaya, Binuria
6.	Awareness programme on Nutrition and Health of Pregnant and lactating mothers	Srichandrapur	50	ICDS Bolpur-Sriniketan

Folk Cultural Activities:

To revive the traditional folk culture and to encourage the creative potentialities through this traditional asset in the rural areas is the main objective of this programme. Different types of folk cultural programmes were organised by the members of the village development societies. During the year, Rural Extension Centre organised folk cultural programmes with the active participation with the village folk artists. During SriniketanMaghMela (2018), Rural Extension Centre took part in the programme called "LokoSanskritirAshor" where artists from 16 different villages were participated. This year, number of Village Development Societies received partial financial assistance for organising different folk recreational programmes in their respective villages. Those folk item includes Vadu, Harinum, Yatra, Kirtan are noteworthy. A traditional cultural programme was organised on the occasion of NabbanaUtsavat Paruldanga village where 200 participants from different command villages under the Department.

Crafts Promotion Programme:

Promotion and revival of traditional crafts of villages is the main objective of this programme. The Rural Extension Centre has undertaken the crafts promotion Programme since 2001 a part of

entrepreneurship development among rural artisan. Santiniketan -Sriniketan Craft Society is a registered society under REC which gives the platform to the distressed craftsmen of our command area villages. Craftsmen are engaged in different crafts such as bamboo work, lacquer based handicrafts, wire, clay, jute work, paper pulp, sola pith, leather works, kantha stitch, grass work, appliqué etc. In the year 2015-2016, Rural Extension Centre organized number of exhibitions-cum-demonstration of the rural artisan during important occasions such as during PoushMela 2017, Annual Festival of Sriniketan 2018. They also participated in handicrafts exhibition cum sale counter in National seminar on Cooperative at Lipika, Santiniketan and in awareness programme on "Health, Hygiene and Cleanliness" at Sriniketan.

Special Initiative for Radio Programme on Extension Activities:

Special initiative was started for Radio-recording of the different extension programmes of the department for transmission to the remotest part of the village, so that villagers get encouragement for the developmental initiatives. Till now several programmes has been recorded and transmitted through the Radio. This initiative was taken place with the help of All India Radio, Aakashbani, Santiniketan.

Activities of Audio-Visual Unit:

The department has a separate audio-visual unit. This unit is responsible to provide still & video photographs and to made documentation of all the programmes. During PousMela this unit had prepared an exhibition on rural crafts.

CELEBRATION OF IMPORTANT EVENTS/DAYS:

- 1) Department has celebrated 125th birth anniversary of Leonard K. Elmhirst-the first director of Sriniketan. Secretaries of Village development Societies participated in the celebration.
- 2) On 8th September the International Literacy Day was celebrated at five cluster village. Total 97 Madhyamik and HS Students (A grade) felicitated by a dictionary provided by Santiniketan Trust. Cultural programme and rally was organised on the occasion. At Kartickdanga village a plantation programme was also organised. On that occasion, the students of our department were performed cultural programme & drama. 500 participants including school student was participated on the occasion in each cluster level programme.
- 3) The Children's Day was celebrated at five cluster villages. Drawing competition and cultural programme organised for the children from cluster level villages on the occasion of Children's day.
- 4) The Library Day was celebrated on 20th December 2018 by rural libraries. Rural libraries had observed the day through organising awareness programmes, village rally with various posters, charts and cultural programmes.

LINKAGE DEVELOPMENT:

The Department of Lifelong Learning & Extension (Rural Extension Centre) Visva-Bharati has been developing linkages with the following Institutions:

External:-

1. Raja Rammohan Roy Library Foundation, Kolkata, Ministry of Culture, Govt. Of India
2. Bengal Chamber of Commerce & Industry (BCCI), Govt. of West Bengal

3. Department of Agriculture Marketing, Govt. of West Bengal
4. Directorate of Field Publicity, Ministry of Information and Broadcasting, Government of India.
5. Narendrapur Ramakrishna Mission LokosikshaParishad, R. K. Mission, South 24 Pgs.
6. Elmhirst Institute of Community Studies, Santiniketan.
7. ICDS, Bolpur.
8. Anthropological Survey of India, Govt. Of India.
9. Block Development Office, Illambazar, Bolpur- Sriniketan
10. Block Primary Health Centre, Bolpur&Illambazar
11. Birbhum District Police.
12. District Legal Aid Authority, Birbhum.

Internal:-

- 1 Dept of Social Work (2 students from Social Work department placed for field placement for one year)
- 2 SilpaSadan
- 3 RathindraKrishiVigyan Kendra
- 4 PalliSikshaBhavan
- 5 SikshaSatra
6. Siksha-Bhavana
- 7 PathaBhavana
- 8 RabindraBhavana
- 9 Centre for Women Studies.
- 10 VinayaBhavana(Deptt. of Education).

Seminar / Workshop / Conference/ Exchange Programme:

International Seminar on Vision of Rabindranath Tagore on Cooperative Society and Community Development (Along with a Craft fair and Exhibition) organised this year on 18-19th August 2017 at Lipika, Santiniketan. 134 papers presented in different technical session of the seminar.

Workshop organised on Enhance Cooperation in Higher Education between European Universities/ Institution and Universities/Institution around the World. Librarian of Rural libraries, students from MRM, Social Work, and Environment Science etc. participated in the programme.

This year faculties of BegamRokeya University, Bangladesh visited Lohagarh village for sharing and exchange their experiences. Smt. DipikaPokhrana Director, (Library) Ministry of Culture, Govt. Of Indiavisited Nurpur Rural Library and sharing her experience with the villagers. Ma Zhanwu, Chinese Consulate General Kolkata visited Raipur rural library as part of exchange programme.

A seminar was organised on PMEGP at Sriniketan on the occasion of Annual festival of Sriniketan on 8th February 2008.

International Seminar on "Vision of Rabindranath Tagore on Cooperative Society and Community Development (Along with a Craft fair and Exhibition)" during 18-19th August 2017 at Lipika, Santiniketan.

Speakers:

1. Dr.TanvirMakammel.

2. Prof. Atiur Rahaman
3. Prof. Swapan Datta
4. Prof. Suniti Kumar Pathak

Only National and International Standard Conference / Seminar / Workshop / Exhibition etc. Attended by Teachers/ Research scholars in details:

Dr. Sujit Kumar Paul:

1. Chaired a session in the National Seminar on Human Rights and Social Justice Organized by the SC/ST Welfare Society of VisvaBharati, Santiniketan on 14th April, 2017.
2. Presented a paper on "Empowerment: A Fruit of Modernisation among Santal Women" in National Seminar on "Sustainable Development Goals: Perspectives From the Indian Villages" jointly organized by Department of Rural Development, University of Science and Technology, Meghalaya and State Institute of Panchayat and Rural Development, Assam, held on 30-31 May, 2017.
3. Presented a paper on "Entrepreneurship Development: Linking the Handicraft Sector to Livelihood Development" in National Seminar on "Sustainable Development Goals: Perspectives From the Indian Villages" jointly organized by Department of Rural Development, University of Science and Technology, Meghalaya and State Institute of Panchayat and Rural Development, Assam, held on 30-31 May, 2017.
4. Presented a paper on "Self Wellbeing: An indicator of Development among Tribal Women" in National Conference on "Women and Development" held on 17-18 March, 2017 organized by Department of Lifelong Learning and Extension (REC), Visva-Bharati.
5. Presented a paper on "Portrait of Change: How Entrepreneurship Helped to Transform Lives of Craftswomen" in National Conference on "Women and Development" held on 17-18 March, 2017 organized by Department of Lifelong Learning and Extension (REC), Visva-Bharati.
6. Presented special lecture on "Present Issues on Rural Development" at the Department of Lifelong Learning and Extension, North Bengal University during December 5-6, 2017.
7. Presented activity report on "Enhancement and Securing Women and Child Health through Capacity Building" during the Expert & Review Committee Meeting on Science and Technology for Women and Group Monitoring Workshop at the DST, New Delhi during November 13-15, 2017.
8. Participated International Training Workshop on Major Diseases in Developing Countries and presented paper on "Public Health Policies and Practices in India" at Shandong Academy of Medical Sciences, 18877 Jingshi Road, Jinan 250062, China from 5th June, 2017 to 17th June, 2017.
9. Attended workshop on Teaching, Learning and Evaluation Online with Moodle Mooc Platform and open Evaluation Resources during August 7-9, 2017. At NUEPA, New Delhi.
10. Acted as a Resource Person and delivered lecture on "Tagore's Rural Reconstruction Experiment" in the Refresher Course, organized by the Department of Rural Management & Development, Tripura University on 2/5/2017.
11. Presented a paper on "Rashtriya Swasthya Bima Yajana: A study on the Impact on Women Development" in the International Conference on "Vision of Rabindranath Tagore on Cooperative

Society and Community Development" held on 18-19 August, 2017, organized by Visva-Bharati Cooperative Credit Society and Department of Lifelong Learning and Extension (REC), Visva-Bharati.

12. Presented a paper on "Community Development through promotion of Handicraft and Rural Tourism: A Case Study on Amar Kutir Society for Rural Development" in the International Conference on "Vision of Rabindranath Tagore on Cooperative Society and Community Development" held on 18-19 August, 2017, organized by Visva-Bharati Cooperative Credit Society and Department of Lifelong Learning and Extension (REC), Visva-Bharati.
13. Presented a paper on "Forest and Sustainable Economic Development: A Study among the Santal Women of Birbhum, West Bengal" in the International Conference on "Vision of Rabindranath Tagore on Cooperative Society and Community Development" held on 18-19 August, 2017, organized by Visva-Bharati Cooperative Credit Society and Department of Lifelong Learning and Extension (REC), Visva-Bharati.
14. Chaired a session in the International Conference on "Vision of Rabindranath Tagore on Cooperative Society and Community Development" held on 18-19 August, 2017, organized by Visva-Bharati Cooperative Credit Society and Department of Lifelong Learning and Extension (REC), Visva-Bharati.
15. Acted as a speaker and presented a paper on "Rural Tourism and Community Development with special reference to Tagore's Sriniketan Experiment" in the International Interdisciplinary Conference on "Road Map for the Development of Eco-Tourism in and around Santiniketan and Birbhum" held during 23-25 March, 2018, organized by the Public Relations Office, Visva-Bharati.
16. Chaired a session in the International Interdisciplinary Conference on "Road Map for the Development of Eco-Tourism in and around Santiniketan and Birbhum" held during 23-25 March, 2018, organized by the Public Relations Office, Visva-Bharati.

Dr. Rafiqul Islam

- 1) 14 th. April 2017: Attended & Chairing the session on National Seminar on Human Rights and Social Justice Organized by the SC/ST Welfare Society of VisvaBharati, Santiniketan.
- 2) 9th September 2017 Attended the workshop on Enhancement of Cooperation of higher education among the European countries and India Organized by the Deptt. Of Lifelong Learning and Extension of VisvaBharati, Siniketan.
- 3) 29 - 30th November 2017 Acted as Resource person in the Training Programme on Behavioral Skills for Sustainable Development Organized by the National Institute of Rural Development and Panchayati Raj (NIRDPR NERC.), Guwahati, Assam .
- 4) 6-7 January, 2018 Attended and Presentation made on Rural Tourism: Opportunities & Possibilities in North Eastern Region (NER) in the National Conference on Livelihoods Through Rural Tourism in North East India Organized by the National Institute of Rural Development and Panchayati Raj (NIRDPR NERC.), Guwahati, Assam
- 5) 27th. March 2018: Attended workshop on 'clingingness', Health & Hygiene of the masses Organized by the Deptt. Of Lifelong Learning and Extension, VisvaBharati, Sriniketan in collaboration with RRRLF, Kolkata

Dr. Subhrangsu Santra:

Sl. No.	Title of the Paper	Name Author	Co-Author(s)	Seminar Name	Date
1	Effective Supply Chain Management for Livelihood Development: A Case Study in Two Rice Mills of Burdwan District of West Bengal	Anik Kr Hazra	Dr.Subhrangsu Santra	International Seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Development	18-19th Aug, 2017
2	Supply Chain Management of Rural Agro Industries for Agricultural and Rural Livelihood Development: A Study in rice mills of Nadia Dist. of W.B	Anik Kr. Hazra	''	International Seminar on Issues in Sustainable Development in India: Present Problems and Future Perspective	5th January, 2018
3	The Trend, Pattern and Impact of Declining Child Sex Ratio: A study in Howrah and Coachbehar district of West Bengal	WasimRana	''	International Seminar on Issues in Sustainable Development in India: Present Problems and Future Perspective	5th January, 2018
4	Implementation of ICDS and Status of Children and Mother: A Case Study in Uttar Dinajpur District of West Bengal	Argha Roy	''	International Seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Development	18- 19Aug, 2017
5	State of Implementation of Pre-School Education of ICDS Scheme: A Case Study in Uttar Dinajpur District of West Bengal	Argha Roy	''	International Seminar on Issues in Sustainable Development in India: Present Problems and Future Perspective	5th January, 2018
6	Empowerment of Women Living with HIV/AIDS in Association with Self-Help Group - A study in Uttar Dinajpur district of W.B	Jaya Pandey	''	International Seminar on Vision of Rabindranath Tagore on Cooperative Society and community Development	18-19th Aug,2017
7	Practice model on Child care chain	ShyamalSamanta	''	International Conference on Anti Human Trafficking Theory to Practice at Indian Council for Cultural Relations, Kolkata, organised by W.B National University of Juridical Sciences and Kolkata Mary Ward Social Centre	26.11.2017
8	LouhaManobi : An Intregrated Model of Restraining Child Vulnerability through Women Empowerment,	Shyamal Samanta	''	International Seminar on " Issues in the Sustainable Development in India: Present Problems & Future Perspective" Org. by A.K.Dasgupta Centre for Planning and Development, Visva Bhatari in	06.01.2018

9	Impact of Women Cooperative on Primary Education Among muslims: A Case Study in Malda District of West Bengal	Tanmoy Pal	''	International Seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Dev.	18 - 19 Aug, 2017
10	Impact of male migration on children's education among Mushlms: A study in two villages of W.B	Tanmoy Pal	''	International Seminar on Issues in Sustainable Development in India: Present Problems and Future Perspective	5 Jan, 2018
11	Co-Operative Farming and Community Tea Garden: A New Dimension for The Development of North Bengal	Suhas ghosh	''	International Seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Development	18 - 19 Aug, 2017
12	Change Of Livelihood Through Women Empowerment In Rural Area- A Study At Lohagarh Village Of Birbhum District, W.B.	Anuradha Sarkar	''	Vision Of Rabindranath Tagore On Co-Operative Society And Community Development	18-19 Aug, 2017
13	Social Inclusion Of The Rural Elder Women: A Catalyst Role Of The Elderly Self Help Groups (Eshgs) Of Kolaghat, East Medinipur	Anuradha Sarkar	''	Issues In Sustainable Development In India: Present Problems & Future Prospective	5 Jan,2017
14	Local Self Government in Recycling of Solid Waste - A Micro Level Plan	Argha Roy, Wasim Rana, Anik Kr.Hazra, Ranit Kumar Sarkar , Sudhiranjan Gangopadhyay, Dr.S.Santra	-	National Seminar on Waste Management of Local Self Government (Municipalities & Panchayats)	16 & 17 March, 2018
15	Supply Chain Management for Better Income Generation of Farmers- A comparative study in Rice Mills of Two Districts of W.B,	Anik Kr Hazra, Argha Roy, WasimRana, , Dr.S.Santra	-	National Seminar on Mixed Farming - A Traditional Practice to Enhance the Income of Farmers	24-25 March, 2018

On going Research Projects in the Department:

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned	Duration
Dr.Rafiqul Islam	i) Project Monitoring & Supervision of RMSA Programs for the selected Districts (10) of W.B.	Sponsored by Dept. School Education & Literacy, MHRD, Govt. of India	Rs.6.00 Lakhs	2015-17
	ii) Project Monitoring & Supervision of RMSA Programs for the selected Districts (02) of Andaman & Nicobar Islands.	Sponsored by Dept. of School Education, Govt of W.B.,	Rs.2.40 Lakhs	2015-17
	iii) Research study on Implementation of MDM Programs of four Dist. of W.B	Sponsored by Dept. School Education Govt. of India.	Rs.1.50 lakhs per district	2017-18
Dr.Sujit Kr. Paul	Enhancement and Securing Women and Child Health through Capacity Building and Technological Advancement	Department Of Science & Technology (DST), Ministry of Science and Technology, Government of India	34,33,240/-	3 Years
Dr.S. Santra	Scope and Challenges of Primary Education among Muslim Community of W.B.	U.G.C, New Delhi	8.43	2 Years

Extension activities/NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department: Enclosed Annual Report 2017-18.

Publication within the year April 2016- March 2017

i) Text books ii) Other Books iii) Monographs iv) Research Paper (Author (s), title of the paper; year, Journal, Volume No. Pages) v) Number of paper published in peer / reviewed journals: National/ International.

Dr.Sujit Kumar Paul

1. Published a paper on "Demonitisation and Tribal Livelihood: Some Ground Level Realities from Birbhum District of West Bengal" in Jharkhand Journal of Development and Management Studies, Volume 15, Issue2 (January-March, 2017) issue, ISSN - 0973-8444, Pg..7283-7295.
2. Published a paper on "Thorny Pathway of Girl Child: Peeping through the Reality of Child Marriage" in an edited book on "Securing Childhood: Challenges, Opportunities and Strategies" by Alex Ekka, Sanjay K. Verma, Sudeep Kumar and K KBhagat, Pg.30-44 , ISBN - 81-904112-0-9, 2017.

3. Published a paper on "Rural Livelihood Development Through Lifelong Education" in an edited book on "Sustainable Development through Education", edited by Sujit Kumar Paul, Arpan Publications, New Delhi, ISBN- 978-3-82135-95-1, 2017.
4. Published a paper on "Education and Tribal Women: A Study on the Changing Perspective of Santal Women through Generation" in an edited book on "Education and Development", edited by Sujit Kumar Paul, Arpan Publications, New Delhi, ISBN- 978-3-82135-96-8, 2017.
5. Published a paper on "Entrepreneurial Transformation: A Study on Rural Handicrafts in the District of Birbhum, West Bengal" in Jharkhand Journal of Development and Management Studies, Volume 15, No. 1 (January-March, 2017) issue, ISSN - 0973-8444, Pg. 7211 - 7226.
6. Published a paper on "Kannashree: A Strategy for Inclusion of Girl Children in School Education" in Printing Area Journal, Issue - 31, Volume 02, (August, 2017) issue, ISSN - 2394-5303, Pg. 84 - 44.
7. Published a paper on "Childhood Protection through Women Entrepreneurship Development" in an edited book on "Securing Childhood: Challenges, Opportunities and Strategies" by Alex Ekka, Sanjay K. Verma, Sudeep Kumar and K KBhagat, Pg. 96 - 103, ISBN - 81-904112-0-9, 2017

Dr.Subhransu Santra

Sl. No.	Title of the Paper	Name of the Author(s) Agencies	Journal Name	Details of the Journal
1	Impact of Migration on Primary Education : A Qualitative Study on Decision Making Process Among Muslim Community in West Bengal	Tanmoy Pal, Argha Roy, Wasim Rana, Anik Kr. Hazra, Dr. Subhrangsu. Santra	Man and Life	A Journal of the Institute of Social Research & Applied Anthropology, Published Quarterly, ISSN 0972-4109, Vol.43, nos.1-2, Jan-June, 2017
2.	"Empowerment of Women Living with HIV/AIDS in Association with Self-Help Group - A study in Uttar Dinajpur district of W.B.",	Jaya Pandey & Subhrangsu Santra	International Journal for Research in Social Science and Humanities	Vol.4, Issue-I, January, 2018, ISSN:2208-2107

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included: As envisaged by Rabindranath Tagore and re-endorsed by the UGC on higher education policy the three dimensions approach viz. Teaching, Research and Extension is the main focus of the Department.

SILPA-SADANA

National and International standard Conference /Seminar /Workshop / Exhibition etc. attended by the teachers/research scholars in details.

Dr. Sankar Ray Maulik

International Seminar/Conferences

1. Paper entitled "Vale added apparel made of jute-cotton union fabric" was presented in the International Conference on Textile and Clothing - Present and Future Trends" held on 3-5 January, 2017 at Technology Campus, University of Calcutta organised by Department of Jute and Fibre Technology, University of Calcutta.
2. Paper entitled " Handloom Textiles - the pride of India" was presented in the International Seminar on " The vision of Rabindranath Tagore on co-operative society and community development " held during 18-19 August, 2017 at Lipika Auditorium, Visva-Bharati (A Central University)

National Seminar/Conferences

1. Paper entitled "Recycled textiles - a creative industry" was presented in the 30th National Convention of Textile Engineers and National Seminar on " Intervention of Frontier Technologies in Textile and Jute Sector organised by The Institution of Engineers (India) on 3-5 March, 2017 at Kolkata.
2. Paper entitled "Printing of handloom Eri silk fabric with vegetable colorants" was presented in the National Seminar on 'Market Driven Innovations in Natural Fibres' organised by The Indian Natural Fibre Society on 22-23 February, 2018 at ICAR-NIRJAFT, Kolkata.
3. Paper entitled "Product safety and restricted substances in children's apparel" was presented in 67th Technological Conference on 'Development in Technical Textiles and Apparel' organized by Textile Association India (West Bengal Unit) during 24th February, 2018 at Kolkata
4. Paper entitled "Waste management through utilization of natural resources" was presented in the National Seminar on 'Waste Management of Local Self Government (Municipalities and Panchayats)' organised jointly by Palli Samgathana Vibhaga, Visva-Bharati and Institution of Public Health Engineers, India at Visva-Bharati, Sriniketan during 16-17 March, 2018.
5. Paper entitled "Jute - a cash crop for diversified application" was presented in the National Seminar on 'Mixed Farming - a traditional practice to enhance the income of farmers' organised by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24-25 March, 2018.
6. Presented a paper entitled "Dyeing and printing of handloom textiles with natural dyes" on the occasion of Celebration of "National Handloom Day on 7th August, 2017 at Department of Silpa-Sadana, Visva-Bharati.
7. Acted as Chairperson for Poster Session in the National Seminar on 'Mixed Farming - a traditional practice to enhance the income of farmers' organised by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24-25 March, 2018.

Shantanu Kumar Jena

- i. Exhibit work in 'mutable' Ceramic and Clay Art in India since 1947 at Parimal Museum of Art Mumbai 13th Oct 2017 to 15th Jan 2018

Extension Activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department

- i) Through the extension activities of Textile section of the department, handloom weavers of nearby villages have been given job of manufacturing fabrics out of our supplied dyed, bleached and grey yarns and as per our designs & specifications. The final products have been sold through the Sales Emporium of the Department and Pous Mela.
- ii) Similarly, rural craftsmen in the field of carpentry, pottery, artistic leather crafts, handmade paper making, batik etc have been provided employment through manufacturing of different respective crafts items either by providing raw materials or by directly purchasing the finished items as per the designs supplied by the departments.

Academic distinctions gained by Teachers/Scholars or the Department as a whole**Dr. Arabinda Mondal**

- i. Working as the Vice-Principal, Palli Samgathana Vibhaga, Visva-Bharati since 2014.
- ii. Nominated as the member of the Publication committee of Indian Institute of Ceramics.
- iii. Research guidance: Research Scholar (ongoing) - 1

Dr. Prabir Kumar Choudhuri**Research guidance**

Research Scholar (awarded) - 1

Research Scholar (ongoing) - 1

Radio Program:

Delivered a talk on "Rathindranath Tagore" on 12.11.2017 through Akashbani Santiniketan at 8.00 am and Akashbani Kolkata (Gitanjali) on 13.11.2017 at 6.40 pm

Shantanu Kumar Jena

- i. Invite as a Resources Person, for conduction two weeks workshop of Material and Processes for 3rd Semester Industrial Design department. It will start from 11th Sept to 22nd Sept, 2017.
- ii. Invite as a Resources Person, for conduction two weeks workshop of Combination of Material for Foundation program, class is from 26th March to 6th April 2018
- iii. Invited as the resource person to talk about the scope of Design education in a radio programme "Taruner Swapno" on 20/10/2017 from 11:00 am to 12:00 noon, at Yuvavani Section, All India Radio, Kolkata.

Publications within the April' 2017 to March' 2018

(Papers in Journals)

Dr. Sankar Ray Maulik

Publication (s) (UGC Approved Journals)

1. Dyeing of silk and wool with Adina Cordifolia and Acacia Arabica, International Journal of Emerging Technology and Advanced Engineering, 8(2), 2018, pp 261-266.

2. Value addition of handloom textiles by using silk yarns, Journal of the Textile Association, 78(2), 2017, pp 93-97.
3. Khadi - the fabric of freedom: Cluster survey on hand spun yarn formation, Indian Journal of Natural Fibres, 4 (1), 2017, pp 39-44.
4. Hand woven silk stole, Asian Dyer, 15 (1), (2018), pp 60 - 63.
5. Use of natural colourants on textiles, Asian Dyer, 14(3), (2017), pp 37-40.

Dr. Prabir Kumar Choudhuri

- i. Raj S, Ghosh H & Choudhuri P K, Himalayan Nettle Fibre and its possibilities in Textiles: A Review, Journal of the Textile Association, Volume 78, No. 1, Page 21-25 ISSN 0368-4636 [2017]

Shantanu Kumar Jena

- i. Published two works in MARG (A magazine of Art) Dec 2017- March 2018

Book publication

Dr. Prabir Kumar Choudhuri

Book Chapter

1. Role of Silpa-Sadana in Handloom Textiles by Prabir Kumar Choudhuri, in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
2. Application of Decision Support System for Designing and manufacturing of warmth giving fabrics for targeted customers: A new approach in Design Management by Prabir Kumar Choudhuri and Amit Kumar Pal in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
3. 'Bagru' ---- a traditional printing technique of Rajasthan, by Sambaditya Raj and Prabir Kumar Choudhuri in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
4. Selection of vegetable dye using Multi - Criteria Decision Making (MCDM) technique, in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published

Dr. Sankar Ray Maulik

Book Chapter(s)

1. Eco-friendly processing of textiles, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), Volume 2, (2017), pp 36-44, ISBN 978-81-932567-7-0.
2. Value added apparel made of jute-cotton union fabric, Book of Papers, International Conference on Textile and Clothing - Present and Future Trends, (2017), pp 56-59, ISBN 978-93-84923-15-0
3. Value addition of handloom fabric through surface ornamentation techniques, Book of Papers, International Conference on Textile and Clothing - Present and Future Trends, (2017), pp 123-126, ISBN 978-93-84923-15-0
4. Natural dye - an overview, Book Chapter 21, Handloom Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata, (2017), ISBN 978-93-5268-157-0.
5. Printing with natural colour - an approach towards green technology, Book Chapter 37, Handloom

Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata, (2017), ISBN 978-93-5268-157-0.

Designing new course/curriculum or any other teaching innovations introduced by the Department : NA

A brief history on the development of the Bhavana/Vibhaga concerned with an Indication of the future plans for development:

Silpa-Sadana, a department under Palli Samgathana Vibhaga at Sriniketan is well acquainted for its Technical & Vocational training imparted in Cottage Industries & Craft since its inception in 1922. It also has a long tradition in enriching taste of the people through its artistic and innovative craft products. It had once taken leadership role in revitalizing the decadent rural industries and craft sector of India. Its present activities are:

Training Activities:

In the Training Section, systemic training in seven different trades or disciplines is being imparted to about 143 regular students out of which 95 students are studying at B.Des. level and 34 at Certificate level. Silpa-Sadana offers 4-year B.Des Course and 2-year Certificate Courses in i) Hand Made Paper Making, ii) Book Binding & packaging, iii) Hand Batik and iv) Artistic Leather Work v) Wood Work vi) Pottery vii) Handloom Weaving. It also conducts Vocational classes for the students of B.S.W. (Hons.), 1st Year and for the students of Uttar Siksha Sadana, Visva-Bharati.

Production, Extension and Marketing :

This wing has been carrying out production of artistic craft articles in the above-mentioned trades with the help of teaching & technical staff of the department, village artisan, daily rated casual workers and students of training units of Silpa-Sadana. The products made are sold through its Sales Emporium at Sriniketan.

The departmental Workshops /Studios /Laboratories have been developed and upgraded by incorporating new equipments / tools / machineries purchased out of XIth plan equipment grant.

Any other relevant information, which in the opinion of head of the Department is Worth reporting should be included.

DEPARTMENT OF SOCIAL WORK

The Department of Social Work, Visva Bharati, Sriniketan began its journey in 1963. The purpose was to create awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India.

The Department of Social Work offers a three year undergraduate course in Social Work leading to the degree of Bachelors in Social Work with honours (BSW Hons) and a two year post-graduate course in Social Work leading to the degree of Masters of Social Work (MSW). The Department has implemented the CBCS (Choice-based-credit-system) at the BSW (Hons.) level. The department also has the PhD Programme in Social Work with course work as per the UGC Guidelines 2009. One post-graduate diploma course has been started since August 2017.

Main Features of the Course:

The main ideology of the Department rests on Tagore's principles of Rural Reconstruction focusing on rural and ecological aspects. The main features are:

Provide professional training and education in the methods, techniques, tools and theories of Social Work and the orientation and introduction to the social science feeder subjects of Social Work.

Give direct exposure to the problems of social welfare and community development particularly those of rural areas, marginalized and vulnerable groups, with special focus on children and women from a rights-based and empowerment perspective. We also work with the unorganized sector.

Equip students of social work to work in multivariate field situations and deal with issues for social welfare initiatives that are people-driven.

Combine the academic requirements of a degree programme with an intensive engagement in field work and research creating a blend of theory and practice.

Develop in students a) sense of passion for the discipline and profession, b) fellowship and universal brotherhood, c) understanding of human and social environment, d) Skills of helping individuals, groups and communities, e) essential use of resources for social welfare, f) an enquiring mind free of prejudices, g) skills of leadership, h) empathy and understanding and an (i) overall holistic development to work fruitfully and contribute to the development sector.

Name of the students qualified in UGC/NET/CSIR/SLET and GATE Examination

Anugarh Pandi Lepcha

Gargi Saha

Ananya Saha

Departmental Seminar (Speakers, Title of the Seminar, Date)

6-day Workshop on "Social Work with PWDs and their rehabilitation" in April 2017.

One-day International Workshop on "Completion of Community Immersion Programme" held on 29th June 2017 with collaborating partners Crafts Council of West Bengal (CCWB); University of Lausanne, Switzerland; SFGT, France; and La Source, Switzerland.

One-day Sensitization Workshop on "Prevention of Drug Abuse among University students" held on 7th -8th Dec.2017.

One two-day capacity building workshops with high school teachers on "Prevention of Drug Abuse among school children" held on September and 4th November2017.

Two-day Workshop on "Social Work Practice in Switzerland" in association with Dept. of Social Work, University of Switzerland held on 3rd and 4th March, 2018.

Two days workshop on "Skill Development & Vocational Rehabilitation for Persons with Disabilities" held on 5th &6th March, 2018.

One day Workshop on "Understanding R, using Statcraft" in association with Statcraft Bangalore on 25th March2018.

National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teacher/Research scholars in details.

Prof. Kumkum Bhattacharya

Panelist "Early Childhood Development under nutritional and medical aspects", International Seminar organized by Shining Eyes India and University of Hohenheim, Germany, Bolpur, April 3 & 4, 2017.

Prof. P.K. Ghosh

Delivered a series of lectures on Tagore and Sustainable Social Development, Social Work in India at the school of Social Work, University of West Switzerland, Geneva during May 11 to June 7, 2017.

Delivered a series of lectures at the Graduate School of Social Work, Dominican University, Chicago, USA, on Social Development in BRICS countries and Poverty and Social Work in India from 26 Nov. to 5 Dec. 2017.

Prof. A.K. Sarkar

Presented paper (as Panel speaker) entitled "Community Development in India: Background, Dimensions and Emerging Concerns" in the international conference on "Promoting Community and Environmental Sustainability" jointly organized by the 'Community Social Work Practice and Development Foundation' and 'Department of Sociology and Social Work of The People's University of Bangladesh', at CBCB, Dhaka, Bangladesh during March 20-21, 2018.

Prof. Debatosh Sinha

Visiting fellow at University of York, Toronto; Canada, July2017.

Paramita Roy

Roy, Paramita, 2017, "Analyzing the role of Anwasha counsellors as adolescent health facilitators: A study in Birbhum district in West Bengal", In National Conference organised by Indian Association of Social Sciences and Health (IASSH) and National Institute of Rural Development ad Panchayati Raj (NIRDPR) in Hyderabad on Nov 16-18, 2017 (co-authored).

Roy, Paramita, 2018, "Adolescent Health Policy in India with particular focus on Anwasha clinics in West Bengal", In International Conference organised by A K Dasgupta Centre for Planning and Development, Visva-Bharati, Jan 7-8th, 2018 (co-authored).

Dr. Subhashree Sanyal

Delivered a Special Lecture on "Project Proposal -An Important Dimension of NGO Management" during Seminar and Special Lecture Series on Dimensions of Social Work Practice at Department of Life Long Learning, Rabindra Bharati University Kolkata -22nd March 2018

Delivered a Special Lecture on Project Proposal -"Importance of Field Work in Social Work" during Seminar and Special Lecture Series on Dimensions of Social Work Practice at Department of Life Long Learning, Rabindra Bharati University Kolkata -22nd March 2018

Dr. Sukumar Pal

Presented a paper entitled "Human Rights movements in India: Historical Review" in a National Seminar on Human Rights and Social Justice organized by SC, ST, OBC Employees Association of Visva-Bharati on April 13-14, 2017.

Presented a paper entitled " Using Kitchen Waste for Organic Agriculture: A Study in Basanti Block of South 24 Paraganas organized by Palli Samgathana Bibhaga and Institution of Public Health Engineers (IPHE) at Visva-Bharati on 16-17 March 2018.

Ms. Sudeshna Saha

Presented a paper titled Occupational Health Hazards of Women Workers in Brick Kiln Industries: Glimpses from West Bengal in the National Seminar on 'Relevance of Dr. B.R Ambedkar for Inclusive Development in India' organized by the SC, ST, OBC Employees Welfare Association of Visva-Bharati on 14th April' 2017.

Presented a Joint Paper titled "Sustainable Urban Development in India-A Review" in the National Seminar on 'Human Rights and Social Justice', organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati in association with Visva-Bharati on April 13-14, 2017.

Mr. Neelmani Jaysawal

Presented a Joint Paper titled "Sustainable Urban Development in India-A Review" in the National Seminar on 'Human Rights and Social Justice', organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati in association with Visva-Bharati on April 13-14, 2017.

Dr. Sasmita Patel

Presented a paper titled "Women and Food Security: A Rights Approach towards Gender Justice" in the national seminar Organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati on 13th -14th April, 2017.

Delivered a lecture on "Mainstreaming Deaf: A Successful Case Reflection Through Social Work Corridor" in Dept. of Social Work, Sambalpur University, Odisha on 02-5-2017

Ms. Moumita Laha

Presented a paper on "Food Security and good governance: NGO's rights based initiatives in Jharkhand" in the national seminar on Human Rights and Social Justice cum 126th Birth Anniversary of Dr. B.R. Ambedkar on aril 13-14,2017 which was by organized SC, ST, OBC Welfare Association of Visva-Bharati.

Research Scholars

Soma Saha

Publications and seminars

Nicolet, D., Saha, S., Kampmann, L., Friteau, J., Fragniere, L., (2017). Le diabete de type II au sein des tribus Santals. Swiss Society for Internal Medicine Journal, doi: 10.4414/phc-f.2017.01574. published 30.08.2017 <<http://primary-hospital-care.ch/>>

Pal. A., Saha. S., Sen. T., (2017). Psycho-social intervention with a case of conduct disorder. Bengal Journal of Psychiatry, July-December issue.

Pleasure Politics and Pagalpan: A National Conference on Sexuality, Rights and Psychosocial Disability held on 13th and 14th May 2017 at Gateway Hotel, Kolkata

Attended in "Users training and awareness program to participate optimum utilization of ERMED consortium E-journal access" held on 18th April 2017 at IPGMER (SSKM Hospital), Kolkata.

Abhishek Dey

Paper and Workshop

Presented a paper in National Seminar on Human Rights and Social Justice, Role of Mid-Day Meal in Ensuring the Right of the Children to Free & Compulsory Education, organised by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan

Presented a paper in National Seminar on Challenges & Issues of Toilet Usage among Adolescent Girls in Upper Primary Schools: A Situational Analysis on 5th Indian Social Work Congress, NAPSWI; SSUS, Kerala

Attended two days training program on Research Design and Planning for Collection and Analysis of Data for Researchers in Social Sciences Sociological Research Unit, ISI Kolkata, March 6th - 7th 2018

Sudipta Biswas

Paper Presentation

Presented a paper on "Land Use Pattern among Agricultural Patta Holders in Murshidabad District of West Bengal: Issues, Challenges and Prospects" in International Seminar on 'Vision of Rabindranath Tagore on Cooperative Society and Community Development' jointly organized by Visva-Bharati Cooperative Credit Society Ltd. and Department of Lifelong Learning & Extension (REC), Visva-Bharati dated 18-19 August, 2017.

Presented a paper on "Securing Women's Land Rights through Land Literacy: Insights from a Joint Initiative of WBSRLM and Landesa, West Bengal" in India Land and Development Conference 2018 at India International Centre, New Delhi, 19-21 February, 2018.

Srenwantee Bhattacharjee

Paper and Publication

Presented a paper titled 'Sexual Minorities and Human Rights in India: Social Exclusion and the need for Social Protection' at the National Seminar on Human Rights and Social Justice on 13th and 14th April, 2017 organized at Visva-Bharati, Santiniketan in commemoration of the 126th Birth Anniversary of Dr. B.R. Ambedkar.

Contributed a paper titled "Disclosure of Child Sexual Abuse - Why is it Difficult for Boys?" in

Mahila Pratistha (International Multidisciplinary Journal on Women and Gender Studies) Vol.3 Issue: 3 Jan-March 2018. ISSN 2454-7891. UGC Approved Journal No. 63549.

Contributed a chapter in an edited book: Sarkar, A. and Ghosh, P. (2018) "Welfare of Disadvantaged Exploring Community Development Approach". Concept Publication: New Delhi. ISBN: 978-93-86682-21-5

Payel Mukherjee

Paper Presentation

Two days' Workshop on Research Methodology at Central Library on 24th and 25th November 2017.

Presented paper in the one day State Level Workshop at Amar Kutir Society For Rural Development on Pannalal Dasgupta: From Freedom Fighting to Nation Building on 11th January 2018.

Aruna Singh

Paper presentation

Poster presentation on "Human trafficking: Violation of human rights and injustice to society" in National Seminar on Human Rights and Social Justice (13-14th April' 2017).

Angshu Jajodia

Paper and publication:

Presented a paper titled Good Parenting and its Influence on Empowerment and Social Justice at the National Seminar on Human Rights and Social Justice organized by the SC, ST, OBC Employees Welfare Association of Visva-Bharati in association with Visva-Bharati on April 13-14, 2017 at Visva-Bharati, Santiniketan.

Invited to speak about personal experiences with hearing loss at the ReSound Hearing Conference held on June 24, 2017 at Goa, India.

Paper titled Benefits of Oral-Aural Rehabilitation of Children with Hearing Impairment: A Discussion through Two Case Studies published in the book 'Human Development and Sustainability: Challenges and Strategies' by Atlantic Publishers, New Delhi bearing ISBN 978-81-269-2307-6.

Paper titled NGOs and the Use of Media in Promotional Communication - A Case Study published in the book 'Media Usage in Promotional Communication' brought out by the Department of Mass Communication, Burdwan University bearing ISBN 81-87259-92-2

Debarati Sarkar

Paper presentation

Participated in national seminar on "Human Rights and Social Justice "on 13th April, 2017 and presented a paper on "Seasonal Migration at Brick Kilns: A Challenge for Safeguarding Child Rights" along with co authors Rashmi Jha.

Participated in the two day national Conference on Waste Management of Local Self Government (Municipalities and Panchayet) and presented a paper on Inappropriate Disposal and Management of Menstrual Waste in Absence of a Definite Policy: A Peril to Environment and Public Health."

Sasmita Padhi**Paper presentation**

Presented a paper on 'parental involvement of Scheduled Tribes in education: A study of Kandhamal district of Odisha' organised by TATA Steel CSR (Sambaad 2017) national conference on 'Engaging tribal youth for collective social responsibility' on 6th-7th november 2017 at CYSD, Bhubaneswar. This paper was selected among the top three paper with a cash award of RS.10,000
Participated in the capacity development programme in social science research at OKDISCD, Guwahati from 22nd March to 24th March 2018.

Rupa Salui (Karmakar)**Paper presentation**

Presented a paper on "Tagore's thought of Co-operative in addressing problems in rural life" in International seminar on Vision of Rabindranath Tagore on Co-operative Society and Community Development organized by Visva-Bharati Co-operative Credit Society Ltd. & Department of Lifelong Learning & Extension (REC), Visva-Bharati on 18-19th August, 2017.

Publication

A paper titled "A Thematic Review of Social Audit in India" published in International Journal of Social Sciences, New Delhi publishers ,6(4)

Ongoing Research Projects in the Department

Name of the Teacher: Prof. Kumkum Bhattacharya

Name of the Project: Monitoring and Supervision of Integrated Child Development Scheme

Sponsoring Agencies: National Institute for Public Corporation and Child Development

Amount Sanctioned : Rs 96,000/-

Name of the Teacher: Prof. P.K. Ghosh

Name of the Project: Prevalence of disability among tribes in West Bengal and their rehabilitation

Sponsoring Agencies National Institute for Orthopedically Handicapped

Amount Sanctioned: Rs 18,00,000/-

Name of the Teacher: Prof. D. Sinha and Dr S. Pal

Name of the Project: Sponsorship Programme of FADV Involving Its Partner Organizations: An Impact Study with special reference to West Bengal and Assam

Sponsoring Agencies :FADV Germany and Andrewspally Centre for Integrated Development

Amount Sanctioned Rs 1,00,000/-

Name of the Teacher: Dr Paramita Ray

Name of the Project: Prevention of Drug Abuse in Birbhum District

Sponsoring Agencies: National Institute of Social Defence, Nw Delhi

Amount Sanctioned: Rs 3,00,000/-

Name of the Teacher: Dr Subhashree Sanyal, Dr Joseph Varghese, Ms Moumita Laha

Name of the Project: Impact of Swacch Bharat Abhiyaan on tribal Dominated Settlements of Birbhum District, West Bengal

Sponsoring Agencies: ICSSR

Amount Sanctioned: Rs 2,00,000/-

Name of the Teacher: Dr Subhashree Sanyal

Name of the Project: Evaluation study on Status of Single Women in West Bengal

Sponsoring Agencies: Action Aid, Kolkata

Amount Sanctioned: Rs 5,00,000/-

Name of the Teacher: Dr Subhashree Sanyal

Name of the Project: Evaluation Study on Status of Homeless in Kolkata

Sponsoring Agencies: Action Aid, Kolkata

Amount Sanctioned: Rs 3,00,000/-

Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department

As a part of our concurrent field work curriculum we have extended our interventions in a number of villages in Sriniketan-Bolpur and Illambazar Blocks. The students were supervised by the teachers to conduct activities at the community level on the following concerns:

Awareness on Menstrual Hygiene among women in the nearby villages.

Awareness on Health and Hygiene including orientation of WASH programmes to school children

Conducted community and school cleaning programmes under Swachh Bharat Abhiyaan

Conducted Health check up camps in collaboration with local hospitals

Conducted Animal Check Up and Vaccination camps with Animal Husbandry Department

Conducted SHG training programmes on Nursery Development in Collaboration with Krishi Vigyan Kendra Sriniketan

Awareness programme on GST and Digitalization of Indian Villages

Successful linkage of Aadhar Number with the Bank Accounts

Conducted various camps for awareness on various government schemes like- Janani Suraksha Yojana, Pradhan Mantri Jan Dhan Yojana, Old Age Pension Scheme, Disability Certificates, Window Pension Scheme, Nirmal Bharat Abhiyan etc.

Organized extension activities organized by the department and participated by the teachers and students of the department: The research scholars organized group discussion session as part of the first 2-day Legal Awareness Camp for Rural Women among Santal women in Ghosaldanga village.

Organized 5-days community immersion program in nearby six villages of the university.

Organized annual cultural and sports programs in field work villages.

Academic distinctions gained by Teacher/ Scholars or the Department as a whole

The Department got the grant from UGC to run two Centres:

1. Centre for Disability Studies (this course has started)
2. Centre for Studies in Social Exclusion and Inclusion

Publications within the year April 2016 - March 2017

Prof. Kumkum Bhattacharya

Papers titled "Santals at the crossroads of tradition and contemporaneity" and "Socialization and

Well-being: Insights from the Santhals" published online
<http://www.sftg.net/Santal%20conference%20Lausanne%20october%202017.html>

Prof. P. K. Ghosh

"Collective Rural Entrepreneurship for Sustainable Livelihood in India - a Success Story" ; Indian Journal of Rural Education and Engagement, Volume No. 1, Issue No. 1 October 2017, National Council of Rural Institutes, Ministry of Human Resource Development, Govt. of India, Hyderabad. Welfare of Disadvantaged: Exploring Community Development Approach (Co-edited), Concept Publishing Company: New Delhi, 2018. [ISBN-13: 978-93-86682-21-5]

Prof. Asok Kumar Sarkar

'Education of the Girl Child: A Study of Santhal Dominated Villages of Puruliya, West Bengal' (Co-author), The Indian Journal of Social Work, Vol-78, October, 2017. [ISSN 0019-5634]

'Female Education among the Muslims in India: Contemporary Situation and Exploring Research Potentials' (Co-author), International Journal of Multidisciplinary Quest, Vol-1, December, 2017. [ISSN 2519-9927]

Welfare of Disadvantaged: Exploring Community Development Approach (Co-edited), Concept Publishing Company: New Delhi, 2018. [ISBN-13: 978-93-86682-21-5]

Professor Debotosh Sinha

Sinha, D. (2017) "Children: The Vanished Childhood", Concept Publishing Company; New Delhi: ISBN: 978-93-5125-2597 (co authored)

Dr. Paramita Roy

Roy Paramita, 2017, "Accessibility and treatment in Rashtriya Swasthya Bima Yojana (RSBY): Celebrating women empowerment with a caution", In Women Empowerment: Challenges and strategies" (ed) S.Paul, Arpan Publishers, New Delhi, ISBN 978-93-82135-68-5, pp: 73-81.

Roy Paramita, 2017, "Primary Rducation of Tribal Children: A Com[parative case study approach of Teaching Practices and Quality of Learning in selected Educational Institutions", In Growth and Diversification in Indian Economy, (eds.) P. Chattopadhyay and D. Kushwaha, New Delhi Publishers.ISBN 978-93-86453-06-8.

Dr. Subhashree Sanyal

Sanyal (2017) Gender Based Health Care initiative in India: Mapping from Human Development Lenses in Social Development and Social Work Profession (Eds.) Gupta, N & Pandey, B ISBN 978-93-84817-97-8 Alternotes Press, New Delhi

Sanyal (2018) Fasal Bima: A new hope in the horizon of Indian farmers in Social Work Chronicle (A UGC Approved Journal) Publishing India Group , March 2018 ISSN Number: 2277-1395. [Co authored]

E Learning Publications

"How to Write Reports, Terms Of Reference and Executive Write up" in UGC MOOC in Social Work Content under Managing Human Service organisations

"Laws relating to Foreign Contribution" in UGC MOOC in Social Work Content under Managing Human Service organisations

"Role of communication in administration- nature, importance, models and modalities" " in UGC MOOC in Social Work Content under Managing Human Service organisations

"Sexual Harassment at Workplace" " in UGC MOOC in Social Work Content under Managing Human Service organisations

"Volunteers Management in Human Service Organization" in UGC MOOC in Social Work Content under Managing Human Service organisations

"Project Cycle Management-I Overview, Programming and Identification" in UGC MOOC in Social Work Content under Managing Human Service organisations

"Project Cycle Management-II: Formulation, Implementation and Evaluation" in UGC MOOC in Social Work Content under Managing Human Service organisations

Laws relating to HSOs in India in UGC MOOC in Social Work Content under Managing Human Service Organisations

Dr. Sukumar Pal

Published a book entitled "Human Rights and Social Justice: Theoretical Concepts and Practical Challenges", edited by Sukumar Pal, P. Bhikkhu and P. Meshram, ISBN No978-93-86453-47-1, 2018, New Delhi Publishers, New Delhi.

Published a paper entitled "Human Rights Movement in India: A Historical Review", in a book " Human Rights and Social Justice: Theoretical Concepts and Practical Challenges" edited by Sukumar Pal, Bhikkhu and P. Meshram ISBN No978-93-86453-47-1, 2018, New Delhi Publishers, New Delhi, Pp 79-86.

Published a paper entitled "Human Rights Violation in India: An Enquiry Into Its Facts", in a book " Human Rights and Social Justice: Theoretical Concepts and Practical Challenges" edited by Sukumar Pal, Bhikkhu and P. Meshram ISBN No978-93-86453-47-1, 2018, New Delhi Publishers, New Delhi, Pp 135-142.

Published a paper entitled "Stages of Group Development", in a book "Social Group Work: A Method of Social Work" edited by B. S. Gunjal, ISBN No978-93-5279-694-6, 2017, IBH Publishers, Bangalore.

Published a paper entitled "Educational Inequality among Scheduled Castes: A Study in Birbhum District, West-Bengal", in a book "Growth and Diversification in India's Emerging Economy" edited by Pranab Kumar Chottopadhyay and D. Kushwah ISBN No978-93-86453-06-8, 2017, New Delhi Publishers, New Delhi.

Ms. Sudeshna Saha

Sudeshna Saha (2017), Role Of CSR In Uplifting Women From Shackles Of Deprivation -A Study Of Few Industries In West Bengal, Journal of Social Work, Visva Bharati

Jaysawal, Neelmani and Sudeshna Saha (2018): Sustainable Urban Development in India-A Review in Pal, Sukumar, et al.(Eds.), Human Rights and Social Justice: Theoretical Concepts and Practical Challenges, New Delhi Publishers, New Delhi, ISBN: 978-93-86453-47-1 (forthcoming)

Dr. Neelmani Jaysawal

Jaysawal, Neelmani (2017): Role of Non-Governmental Organization (NGO) in Social Capital: A Review. Asian Journal of Research in Social Sciences and Humanities, 7(6), pp. 341-351, ISSN

2249-7315, doi: 10.5958/2249-7315.2017.00354.9.

Jaysawal, Neelmani and Sudeshna Saha (2018): Sustainable Urban Development in India-A Review in Pal, Sukumar, et al.(Eds.), Human Rights and Social Justice: Theoretical Concepts and Practical Challenges. New Delhi Publishers, New Delhi, ISBN: 978-93-86453-47-1 (forthcoming).

Dr. Sasmita Patel

Patel,S.(2017)"Women Empowerment and Protection in India :Past and Present" ANUBODH-May, ISSN-2349-0616 (Co-authored)

Patel,S.(2017)"CSR and Employee Engagement: Some Reflections" published in ANUBODH-May, ISSN-2349-0616 (Co-authored)

Ms. Moumita Laha

Laha, M. (2018). Panchayati Raj Institutions and Social Inclusion In India. In Asok Kumar Sarkar and Prasanta Kumar Ghosh(Eds.), Welfare of Disadvantaged-Exploring Community Development approach, concept publication, ISBN-978-93-86682-21-5

Non Governmental Organizations: Origin and Development by Suresh Chandra and Anne Karen Trollope, Rawat publication in Journal of Social Work and Social Development, 7(1)

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

New Course

The department has designed BSW (Hons.) under CBCS and Masters in Social Work (MSW). It is implemented at the BSW level.

Curriculum

The Department offers two diploma courses -

1. PG Diploma in Exclusion and Inclusive Policy from July 2017
2. PG Diploma in Disability Studies from July 2017.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development

History

The Department began its journey in 1951 at a crucial juncture of free India as the training institute for the staff of the newly created Block Office under the Ministry of Education offering Diploma in Rural Higher Education. The purpose was to create better awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India. The Department begins with two diploma courses from the 2015 Academic session that have been duly approved by the Academic Council of the university.

Vision Plan

<u>Phase 1 -</u> 2017 to 2020	Requirements	General Requirement	Specific Requirement
	<p>DSA Phase 1- Theme: Rural Reconstruction/ Sriniketan Experiment Adoption of one model community for the practice of Rural Reconstruction thorough social work</p> <p>Designing of new curriculum for the core course and centres</p> <p>Affiliation to various International Social Work Bodies</p> <p>Field Work Laboratory</p> <p>Subscription of international journals and national journals of social work</p>	<p>Fund allocation for community adoption programme</p> <p>Budget allocation for membership affiliations</p> <p>Budget for set up of field work lab and equipments</p>	<p>Funding for field work lab</p> <p>Fund for AC in Seminar Hall and HOD's room</p>
<u>Phase 2 -</u> 2021-2015	<p>DSA Phase 2-</p> <p>Collaborations with various social work institutes for teacher and student exchange</p> <p>Establishment of School of Social Work with core departments and centres</p> <p>New building for Social Work centres Disability Studies and Social Exclusion</p>	<p>Funding assistance for exchange programmes</p> <p>Building fund for establishing of school of social work and centres</p>	<p>Fund for establishment and allocation for school of social sciences</p>
<u>Phase 3-</u> 2026 to 2030	<p>Centre for Advanced Studies in Social Work</p>	<p>Funding assistance, infrastructure and development from University, UGC and MHRD</p>	

PALLI CHARCHA KENDRA (DEPARTMENT OF RURAL STUDIES)

Palli Charcha Kendra (Department of Rural Studies) started as an interdisciplinary Centre of academics in the model of CSSS-Calcutta, Patuli (ICSSR institute in Kolkata) with faculties drawn from various disciplines: Economics/Anthropology/Statistics/Demography/Geography. This teaching department, founded in 1977, started with M.Phil. Programme under Vidya Bhavana. Later on it was put under the Institute of Palli Samgathana Vibhaga (PSV). At present it offers Undergraduate Course-Bachelor of Rural Studies (BRS) and Postgraduate Course - Masters of Rural Studies (MRS) since 2015-16 and phased out the MA in Rural Development course. It also runs the Ph.D. programme and conducts research on various aspects of life of the rural people. This subject itself is an emerging subject in the academic arena. The Department is giving all its effort to establish it as a prestigious academic discipline by developing a course structure and suitable syllabus that will produce students having a strong basic theoretical knowledge of related core subjects and become capable to apply that knowledge in the real world situations. All of our existing syllabuses are well-blended mix in this direction. The students under the guidance of the faculty members are continuously collecting and analyzing data to assess the changing rural scenario and formulating projects for the up liftment of the poor and weaker section of the rural sector. This way the department has been generating and updating knowledge about social economic and environmental conditions of the surrounding villages.

1. Name of the Department and details information as per Proforma-I and II enclosed:-Palli Charcha Kendra (Department of Rural Studies)-vide Academic council -Oct, 2014-and Executive Council-Feb-2015 resolutions
2. Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination: UGC do not have NET in Rural Studies
3. Departmental Seminar / Workshop (Speakers, Title of the Seminar, Date): Nil
4. Only National and International Standard (Conferences / Seminars / Workshops / Exhibitions etc. attended by Teachers / Research Scholars in details:

Prof. Sankar Majumder

1. Chaired a session in the International conference on 'Local Issues Global Resolutions: Ecology, Environment, Climate & Economy organized by Raiganj University, West Bengal, 10-11 January, 2018.
2. Convener of the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats) Organised by Palli Samgathana VibhagaA, Visva-Bharati
3. Convener of One Day Training Programme on Human Rights organised Visva-Bharati in association with National Human Rights Commission, New Delhi on November 25, 2017.

Ongoing Research Project in the Department : One ICSSR Research Project

- (i) Dr. RathindraNathPramanik, Associate Professor & Head, P.C.K.
- (ii) Titled "Agrarian Crisis and Conditions of Farmers in West Bengal"
- (iii) ICSSR

(iv) Rs. 6.40 lakh

Extension activities/NSS/Cultural and other activities organized by the department and participated by the Teachers and students of the Department:

Teachers and Students of the Department regularly visit villages for -

- a) Preparing village profile;
- b) Identification of problem and prepare viable project for amelioration of the problem.

Teachers and Students of the Department actively participate in NSS programmes/Gandhi Punyaha etc. -

Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) : NIL

Publications within the year April 2017 - March 2018:

Prof. Sankar Majumder

1. Article entitled 'Poverty Development and Corruption in the States of India' by Sankar Majumder In the Book 'Combating Corruption: Black Money and Money Laundering ---Issues and Challenges Ahead' By Prof. B.C.Nirmal and Dr. Sabari Bandopadhyay Published by Satyam Law International, ISBN : 9789382823896 year : 2018.
2. Article entitled 'Changing Pattern of Economic Activities in Agricultural Sector and Role of Government Expenditure in India' by Dipak Kumar Mandol and Sankar Majumder in Indian Journal of Agricultural Economics, Vol.73, January-March 2018.
3. Article entitled 'Changing Pattern of Industrial Employment of the Rural People during the Post-Liberalisation Period in India' Dipak Kumar Mondal and Sankar Majumder, in Journal of Economics and Social Studies published by A. N. Sinha Institute of Social Sciences, Patna, ISSN No 0377-0508, Vol.XXVI, No (1-2), 2016 (late published in May, 2017)

Designing New Courses/ Curriculum or any other teaching innovations Introduced by the Department :

Department from 2015-16 is introducing two new courses -one -- Undergraduate course-Three Years Bachelor of Rural Studies (BRS) and two - Post graduate course

Two Years Masters of Rural Studies (MRS) replacing the course of M. A. in Rural Development.

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development.

This department started as an interdisciplinary Centre of academics in the model of CSSS-Calcutta, Patuli (ICSSR institute in Kolkata) with faculties drawn from various sections of disciplines -- Economics/Anthropology/Statistics/Demography/Geography. A very brief history of the evolution of the department--

- 1) In 1977, Palli Charcha Kendra was established under VidyaBhavana -with MPhil course and a keen orientation strictly towards research work --under stalwarts of social science--like VK Roy Barman (ex-director Anthropological survey of India), Sunil Sengupta (co-author of many books with Jean Dreze, Harris Gazdar).The infamous Ashoke Rudra also taught MPhil course

- here as guest professor along with the Ex-Vice Chancellor of Visva-Bharati-Prof Surajit Sinha.
- 2) Subsequently, it was put under PSV and from 1991 it started two courses -MA-(Rural Development) and MA/MSc-Anthropology with PhD courses in Social Science and Anthropology respectively, and was carried on successfully.
 - 3) Under statutory amendments from 2010-Jan31 the Department of Anthropology was carved out from Department of PCK and the new Department of Anthropology was shifted to Vidya Bhavana. The Department of PCK with its courses in MA in Rural Development and PhD in Social Sciences remained under PSV. However, HLC recommended that Department of PCK as such (before bifurcation) should be put under Vidya Bhavana.
 - (a) At present it offers Undergraduate Course-Bachelor of Rural Studies (BRS) and Postgraduate Course - Masters of Rural Studies (MRS) since 2015-16 and phased out the MA in Rural Development course.
 - b) Approximately 23 PhD students are enrolled.
Indication of the future plans for development
 1. Department also envisages applying for SAP after filling up the vacant posts of faculty.
 2. Department is planning to start some short term courses on Rural Studies to prepare Rural Development practitioners for the upcoming demand of employment in NGO's.
 3. Increase employability by linkages with government and Non-governmental agencies.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting, should be included. :

The department has very capable human resources to compete with any academic institution carrying out academic courses in Rural Studies. However, there are many lacunas too. The foremost hindrance of the department is vacant faculty positions. Next is the adequate space, it is utmost necessary keeping in mind the introduction of the two new courses-BRS and MRS along with existing academic provisions.

Particulars in details of the Departmental Library

Due to inadequate space departmental library with all its books are housed in PSB library.

PALLI SIKSHA BHAVANA

(Institute of Agriculture)

Academic

During the period (2017-18), 172 number of students have been admitted in B.Sc (Hons) Ag, M.Sc(Ag), and Ph.D Programmes. 47 nos of students of B.Sc (Hons) Ag, 52 nos of students of M.Sc(Ag), and 17 nos of students of Ph.D have been awarded the degree. It's worth mentioning that 12 nos of students of this Institute have been qualified in Junior Research Fellowship through all India basis competitive examination conducted by Indian Council of Agricultural Research and among them two students ranked first, one students ranked second and another three students are within the rank ten. A number of students have been appointed in various Public and Private sectors though campus interview and competitive examinations. Besides nine academic departments, the institute has followings units to support teaching, research and extension activities.

Agricultural Farm

The Agricultural farm is a field laboratory for the students of UG, Master degree and Ph. D as well as for faculties involved in research activities. Agricultural Farm of Palli Siksha Bhavana comprises an area of 47.0 ha with an irrigated area of 16.0 ha and net cultivable area of 12.0 ha.

Trial / Experiment conducted during 2017-18

Kharif	Rabi	Pre-Kharif
M.Sc 06	M.Sc 15	M.Sc 11
Ph. D 06	Ph. D 07	Ph. D 01
Project 14	Project 11	Project 06
Total 26	Total 33	Total 18
Grand Total = 77		

PSB LIBRARY

P.S.B Library established in 1957 as the largest sectional library of Visva-Bharati serves nine departments of Institute of Agriculture and also department of Social Work and Rural Development in particular and other departments of different Bhavanas in general with its open access library system. Library provides documentary resources in the form of books and journals, grey literature as well as e-recourses. Library provides intranet and internet facility for browsing and retrieval of documents with its Wi-Fi connectivity. In the year under review library procured 30 journals and 677 numbers of books. The library posses 50762 number of books and 5476 number of bound periodicals at its collection.

Soil Testing Laboratory

The Soil Testing Laboratory of Palli Siksha Bhavana deals mainly with the assessment of soil fertility status of Agricultural soils of this region. It provides guidelines to the stakeholders for nutrient application to the crops. The vermicomposting unit of the soil testing laboratory is recycling the organic wastes into enriched manures. The Laboratory is now facing an acute shortage of manpower.

The analysis of soil under centrally sponsored 'Soil Health Card Scheme' is going on smoothly. Under this scheme, 66997 soil samples from 19 Blocks of Birbhum District have been analysed and 'Soil Health Cards' have been generated.

Rathindra Krishi Vigyan Kendra (RKVK)

The Rathindra KVK has organized 10 numbers of On Farm Trials (OFTs) on various products and technologies coming out from the National Agricultural Research System (NARS) of India in various disciplines viz. Agronomy, Plant Protection, Fishery, Animal Science, Home Science, Agricultural Extension etc. involving 72 numbers of partner farmers. The KVK has also organized 1206 numbers of Front Line Demonstrations (FLDs) involving 1206 numbers of Partner Farmers on cutting edge technologies and products originated from the NARS on different aspects such as improved High Yielding Varieties of Cereals, Pulses, Oilseeds, Green Fodder; improved Species of Fishes, improved breeds of Animals, Birds; modern scientific Integrated Soil Nutrient Management Practices, Integrated Pest Management Practices, Nutrient Management Practices in Fishes and Animals and Birds, Disease Management Practices of Fishes, Animals, Birds; Women Empowerment through making of Rural Craft; Social Capital generation through Group Formation etc. The Rathindra Krishi Vigyan Kendra has also organized 137 numbers of Training Programmes involving 3498 numbers of Trainees comprising of practicing farmers, farm women, rural youths, grass root level extension functionaries. These 137 numbers of Training Programmes were of various duration and of various types such as On Campus and Off Campus Training Programmes; Knowledge and Skill Development Training Programmes, long duration residential Skill and Entrepreneurship Development Training Programmes; Awareness Generation and Information dissemination Training Programmes etc. The Scientists of the Rathindra KVK has also undertaken various Diagnostic Activities like Scientists' Visits to Farmers' Fields, Farmers' Visits to KVK, providing Farm Advisory as a Part of Citizens' Client Charter (CCC) etc. numbering 258 activities involving 1016 numbers of farmer-participants. The Scientists of Rathindra KVK has also organized 330 numbers of Extension activities such as Farmers' Fairs, Scientists-Farmers Interaction, Farm Exhibition, Radio Talks, Television Shows, publication of Extension Literatures, free Short Message Service (SMS) to registered Mobile Phones of the farmers, Film Shows, Animal Health Camps, Method Demonstrations, Soil Health Day on 05.12.2017, Sankalp Se Siddhi on Oath Taking for Doubling of Farmers' income by 2022 AD. on 31.08.2017 etc. in the Instructional Farms of the Rathindra KVK, quality seeds, planting materials, fish and animal strains were produced which were as follows: - A. Paddy Var. Gotra Bidhan - 3: - 22.00 q., B. Paddy Var. Rani Dhan: - 32.00 q., C. Ekangi Sp. K. galangal: - 01.70 q., D. Sesame Var. Sabitri: - 00.40 q., E. Ground Nut Var. TAG - 24: - 03.60 q., F. Green Gram Var. Samrat: - 01.00 q., G. Ducks Breed Khaki Campbell (Advanced Grower): - 60 nos., H. Japanese Quail Sp. Coturnix coturnix japonica: - 180 nos., I. Spawns of Indian Major Carps: - 8,00,000 nos. and J. Spawns of Exotic Carps: - 4,00,000 nos., K. Brinjal Var. Blue Master (UT) Seedlings: - 2000 nos., L. Cabbage Var. Shonar - 8989 Seedlings: - 2000, M. Broccoli Var. Green Magic Seedlings: - 3000 nos., N. Capsicum Var. Mahabharat Seedlings: - 3000 nos., O. Chilli Var. Suryamukhi Seedlings: - 3000 nos., P. Tomato Var. PS - 31 Seedlings: - 3000 nos., Q. Papaya Var. Pusa Dwarf Seedlings : - 500 nos., and R. Drum Sticks Var. PKM -1 Seedlings: - 100 numbers.

The Rathindra KVK has organized "Sankalp Se Siddhi - New India Manthan" Programme for taking the pledge to make all out efforts for doubling farmers' income by 2022 AD on 30.08.2017; "Mahila Kisan Divas - 2017" Programme for empowering the farm women in particular and females in general on 15.10.2017; "World Soil Day - 2017" Programme on 05.12.2017 for making all the stakeholders aware about the importance of maintaining and improving soil health through Integrated Nutrient Management practices and "Web Casting of the Inauguration of the Biennial National Conference of Krishi Vigyan Kendras of India - 2018 at the ICAR-IARI" on 17.03.2018 to generate awareness among the farming community on the various new efforts and schemes being launched by the Govt. of India for the over-all improvement of agriculture and related sectors of India. These special programmes have been attended by more than 2000 numbers of practicing farmers, farm women, rural youths, grass-root level extension functionaries, students, teachers, scientists and other stakeholders.

The Scientists of the Rathindra KVK have published 08 numbers of Research Papers in various Research Journals highlighting their research findings; have presented 08 numbers of Research Papers in various national and International Seminar, Symposia, Conferences etc.; have published a Book and contributed 08 numbers of Chapters in various Books.

One Scientist of the Rathindra KVK has been awarded with Young Scientist Award at National Conference on Improving Income of Farmers through Agriculture and Aquaculture by Society of Krishi Vigyan, Association of Aquaculturist and ICAR-CIFA, Bhubaneswar; two Scientists have been awarded for the Best Paper Presentation at the above mentioned programme and One Farmer attached with the Rathindra Krishi Vigyan Kendra has been awarded with the Innovative Farmer Award of the Eastern Zone by ICAR-Eastern Research Complex, Patna, Bihar.

DEPARTMENT OF AGRONOMY

Activities of the Department of Agronomy :

A. Teaching :

- i. Regular teaching programmes for under-graduate, post-graduate and doctoral level
- ii. Remedial teaching for OBC, SC and ST students
- iii. Coaching classes for ICAR-JRF, ICAR-SRF, ICAR-NET, WBAAS, etc
- iv. Educational tour for the students to different research institutes, private farms, farmers' field, etc
- v. Conducting programmes on Rural Agricultural Work Experiences for UG students

B. Research :

- i. Thrust areas of research: Improved agronomic packages for newly released varieties and hybrids, production of forage crops, integrated nutrient management, integrated weed management, improved water management practices, crop production under moisture stress, organic agriculture, cropping system research, conservation agriculture and integrated farming system.
- ii. Planning and conducting of research for Master and Doctoral degree
- iii. Collaborative doctoral research programme with different SAUs and ICAR research institutes
- iv. Sponsored and collaborative research programmes funded by national organizations like CSIR, ICAR etc and international organizations such as IPNI, ICARDA, IRRI etc.
- v. Collaborative research programme under Public-Private-Partnership (PPP) module with funding from many national and multinational companies.

C. Extension

- i. Conducting farmers'- scientist meeting, farmers' training and imparting training to Govt. officials of dept. of Agriculture and in collaboration with Rathindra Krishi Vignan Kendra, Agriculture Department of West Bengal and NGOs.
- ii. Consultancy service to the farmers by the teachers of the department
- iii. Dissemination of modern knowledge of crop production through talks in All India Radio, Doordarshan and other TV programmes and technology demonstration in annual festival of Sriniketan (Magh Mela).
- iv. Coordinating Farmers' Exposure visit for farmers of different parts of West Bengal

D. Other activities:

- i. Organization of national and international seminar on contemporary themes
- ii. Regular organization of programme under National Service Scheme
- iii. Regular cleaning work under Sawchh Bharat Abhiyan
- iv. Special programme on the occasion of National Integration Day, Teachers' Day
- v. Organization of annual picnic, freshers' welcome programme for the newly admitted PG students, farewell programmes for outgoing students and superannuated staff members.
- vi. Active participation of faculties of the department in University sports

1. Name of the Department: AGRONOMY
2. Name of the students qualified in UGC/ CSIR/ NET/ SLET and GATE Examinations:

3. Departmental Seminar (Speakers, Title of the Seminar, Date):

National and International standard Conference/Seminar/Workshop/ Exhibition etc. attended by Teachers/ Research scholars in details :

Prof. A.K. Barik

- i. 8.11.2017 to 11.11.2017. Delivered an invited lead paper in the 3rd International Conference on Bio-resource and Stress Management, Jaipur, Rajasthan, India. on "Organic farming in India: present status challenges and technological breakthrough" .
- ii. 8.11.2017 to 11.11.2017. Participated and acted as Co-chairman, in the 3rd International Conference on Bio-resource and Stress Management, Jaipur, Rajasthan, India. Local Organizing committee
- iii. 29.01.2018. Participated and Chaired a session in the One day National Seminar Cum Panel Discussion on Doubling Farmers' Income: Role of Agricultural Mechanization organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.

Dr. B. Duary

- i. 03.05.17. Presented Technical Report in Annual Review and Planning Workshop of EC-IFAD of IRRI, held in NASC Complex-ICAR, New Delhi, India. on "Agronomic evaluation of drought tolerant rice varieties and ecology of Echinochloa spp. in lateritic belt of West Bengal"
- ii. 29.01.2018. Attended and acted as Co-chairman in One day national Seminar -cum-panel discussion on Doubling Farmer's Income: Role of Agricultural Mechanization, organized by the Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati.

Dr. G.C. Malik

- i. 09.12.17 to 11.12.17. Presented paper in National Symposium "Towards climate smart agriculture-a key to livelihood security" organized by Institute of Agricultural Science, University of Calcutta. entitled "Effect of Trinexapac-ethyl on lodging severity and yield of aromatic rice"
- ii. 24.03.18 to 25.03.18. Presented paper in National Seminar on Mixed farming-A traditional Practice to enhance the income of farmers organized by Dept of Animal Science, Palli Siksha Bhavana, Visva-Bharati. entitled "Integrated use of chemicals and botanicals on weed management of wheat"

Dr. S.K. Maity

- i. 29.01.2018. Presented a paper in the National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" organized by the Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati. on "Productivity of rainfed summer sesame under seed priming, mulching and KCL foliar spray".
- ii. 07.02.2018. Presented a paper in the 3rd International Symposium entitled "Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience" organized by the Association of Rice Research Workers and ICAR-National Rice Research Institute, Cuttack, Odisha on "Economic response of rice hybrids to nitrogen ".
- iii. 16.03.2018. Presented a paper in the National Seminar entitled "Waste Management of Local Self Government (Municipalities and Panchayats)" organized by Palli Samgathan Vibhaga, Visva-

Bharati and Institution of Public Health Engineers, Kolkata on "Management of Agricultural Waste by Vermicomposting".

Dr. K. Pramanik

- i. 9.12.17 to 11.12.17. Presented paper in the National Symposium Towards Climate Smart Agriculture-A Key to Livelihood Security organized by Institute of Agricultural Science, University of Calcutta on Effect of irrigation regimes, cultivars and seed priming on aerobic rice cultivars during summer season under lateritic soil.
- ii. 29.01.18. Presented paper in the One day National Seminar Cum Panel Discussion on Doubling Farmers' Income: Role of Agricultural Mechanization organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan on Bio-efficacy and phytotoxicity analysis of carfentrazone ethyl 20% + sulfosulfuron 25% WG and other herbicide in wheat crop in lateritic soil of West Bengal.
- iii. 16.03.18 to 17.03.18. Presented paper in the National Seminar on Waste Management of Local Self Government organized by Palli Samgathana Vibhaga, Visva-Bharati, Sriniketan & Institution of Public Health Engineers on Irrigation with waste water: Heavy metal stress on crop plants.
- iv. 23.03.18 to 25.03.18. Presented paper in the International Interdisciplinary Conference on Road Map for the Development of Eco-Tourism in and around Santiniketan and Birbhum organized by Public Relation Office, Visva-Bharati, with Ministry of Tourism, Govt. of India & Dept. of Tourism, Govt. of West Bengal on Avenue tree in and around Santiniketan: Morphological effect of solid particulate matter particulate and their potential for mitigation of air pollution review.
- v. 24.03.18 to 25.03.18. Presented paper in the National Seminar on Mixed Farming - a Traditional Practice to Enhance the Income of a Farmers organized by Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan on Bio-efficacy of pretilachlor 30.7%ec in direct seeded rice.

Dr. M. Banerjee

- iii. 09.12.17 to 11.12.17. Presented paper in National Symposium "Towards climate smart agriculture-a key to livelihood security" organized by Institute of Agricultural Science, University of Calcutta. entitled "Effect of Trinexapac-ethyl on lodging severity and yield of aromatic rice"
- iv. 24.03.18 to 25.03.18. Presented paper in National Seminar on Mixed farming-A traditional Practice to enhance the income of farmers organized by Dept of Animal Science, Palli Siksha Bhavana, Visva-Bharati. entitled "Integrated use of chemicals and botanicals on weed management of wheat"
- v. 16.03.18 to 22.03.18. Participated in National Workshop on Research Methodology using statistical tools, techniques and packages organized by the Department of Agricultural Economics and Agricultural Statistics, Institute of Agriculture, Visva-Bharati, Sriniketan.

Dr. P. Ghosh

- i. 24.03.18 to 25.03.18. Presented paper in the National Seminar organized by Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan on Mixed Farming - a Traditional Practice to Enhance the Income of a Farmers.

Ongoing Research Projects

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Prof. A.K. Barik	Effect of zinc and boron on seed production potentiality of oat under red and lateritic soil of West Bengal	AICRP on Forage Crops & Utilization (ICAR), IGFRI, Jhansi, U.P.	Rs. 25000
	Production of Pesticide Free End product and Development of a Steady Supply Chain from Farmers to Consumer towards Formulation of a self-Sustainable Agro-Economic Model in Bahadurpur Village, Ruppur Gram Panchayet, Bolpur, Birbhum, W.B.	NABARD	Rs. 4,14,000
	Go WB - ICARDA project on Enhancing food and nutritional security and improved livelihoods through intensification of rice fallow system with pulse crop.... West Bengal sponsored by ICARDA Project for South Asia on Pulses for the year 2016-17.	Go WB - International Centre for Agricultural Research in the Dry Areas (ICARDA)	48330USD
	IFAD-ICARDA project on enhancing food and nutritional security and improved livelihoods through intensification of rice-fallow system with pulse crops in South Asia	IFAD-ICARDA project for South Asia	Rs. 20,6500
Dr. B. Duary	Ecological and Sustainable Management of Rice based Production System (ESMRPS)	International Rice Research Institute, Philippines	7000 USD per season
Dr. B. Duary	Improved Crop Management and strengthened Seed Supply System for Drought prone rainfed lowlands in South Asia (ICMSDSA)	International Rice Research Institute, Philippines	7000 USD per season
	Sustainable farming systems: Farm diversification under ICAR-IRRI	International Rice Research Institute,	5000 USD per season

	Collaborative Project # 4 / Rice Flagship Theme # 3.1	Philippines	
Dr. K. Pramanik	Study on Bio-Efficacy, Phytotoxicity and Residue analysis of some Herbicides in Soybean	Willowood Chemicals Pvt. Ltd New Delhi - 110 025,	Rs. 2012500.00
	Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in different crops (Ground nut, cotton and rice)	Willowood Chemicals Pvt. Ltd	Rs. 1207500.00
	Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Tea and non-cropped area	New Delhi - 110 025, India	Rs. 1207500.00
	Study on Bio-Efficacy and Phytotoxicity analysis of herbicides and fungicides on agronomic and horticultural crops	Willowood Chemicals Pvt. Ltd	Rs. 3705000.00
Dr. G.C. Malik	Bio-efficacy study of different agro-chemicals in field crops.	Sumitumo Chemical India Limited	Rs.7.20 lakhs
	Bio-efficacy study of different agrochemicals in field crops	SDS Ramcides Crop Science Private Limited	Rs.6.30 lakhs
	Evaluation of some new formulations of agro-chemicals in different crops	Sulphur Mills Limited	Rs.4.00 lakhs
	Efficacy of new agro-chemical formulations in different crops	Gowan India	Rs.2.00 lakhs
	Bio-efficacy study of different agrochemicals in field crops	Crystal Crop Protection Pvt. Ltd.	Rs.4.80 lakhs
Dr. M. Banerjee	Bio-efficacy study of different agro-chemicals in field crops.	Sumitumo Chemical India Limited	Rs.7.20 lakhs
	Bio-efficacy study of different agrochemicals in field crops	SDS Ramcides Crop Science Private Limited	Rs.6.30 lakhs
	Evaluation of some new formulations of agro-chemicals in different crops	Sulphur Mills Limited	Rs.4.00 lakhs
	Efficacy of new agro-chemical formulations in different crops	Gowan India	Rs.2.00 lakhs

	Bio-efficacy study of different agrochemicals in field crops	Crystal Crop Protection Pvt. Ltd.	Rs.4.80 lakhs
Dr. S. K. Maity	Collaborative Research Programme on Evaluation of Rice Hybrids Developed by Bayer Bio-Science Pvt. Ltd.	Bayer Bio Science Pvt. Ltd., Kolkata	4.18 Lakhs
Dr. N.C. Sarkar	Livelihood improvement through climate-smart agriculture: An Australia-India Initiative	Australia-India Council	\$24,550
	Study of agronomic performance of rice hybrids under agro-climatic conditions of red-lateritic soils through proper channel	PHI Seeds Private Limited	Rs. 2,76,000
	Comparative performance evaluation of rice hybrids	PHI Seeds Private Limited	Rs. 1,38,000

Extension activities/ NSS/ Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

Prof. A.K. Barik

- i. 12.07.2017. Delivered Lecture on " Integrated nutrient management" in TV programme, Santiniketan at 4.30 P.M

Prof. B.K. Saren

- i. Participated and presented a conversation topic on" Integrated watershed management" in the Krishi Darshan programme of Santiniketan Doordarshan Kendra during Septmber,2017
- ii. Participated and delivered an invited lecture on" Package and practices of winter pulse crops" under the IFAD-ICARDA-BCKV project entitled " Enhancing pulse production under rice-fallow areas of West Bengal" in the training meeting held at Krishi Bhavan, Bankura 04.09.2017.
- iii. Delivered a lecture on " Drought and Flood" in the N.S.S. special camping programme of Labpur Jadablal High School, Labpur, Birbhum held on 09.02.2018
- iv. Participated and delivered a lecture on" Integrated water management of oilseed crops of Birbhum" in the District level training programme of Officers and Extension Workers held at Krishak Bazar, Hatzanbazar, Suri, Birbhum on 15.02.2018 and 22.02.2018.
- v. Participated and delivered a lecture on" Enhancing pulse production under rice-fallow areas of Birbhum" in the Farmers' training meeting held at Darpashila village, Kopai, Birbhum on 23.02.2018

Dr. B. Duary

- i. Delivered Lecture on improved agronomic practices of Jute and Mesta with special reference to weed and drought management in Two days State level Officers Training under NFSM (Commercial Crop)- Jute based cropping system during 2016-17 on 14.6.2017 at the ATMA Hall, Office of the DDA (Admn.), Murshidabad organised by DDA (Admn.), Murshidabad.

- ii. Delivered Lecture on Paira cropping with pulses in rabi season in One day training programme on "Planning for pulse cultivation with improved technologies in rice-fallow system of Birbhum district during 2017-18" under IFAD-ICARDA- Visva-Bharati Programme at PSB Community Hall, Sriniketan on 11.09.2017.
- iii. Imparted training and delivered lecture on Weeds and Herbicides on 30.01.2018 in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) for Birbhum District at RKVK, Visva-Bharati.
- iv. Delivered Lecture on "Integrated weed management in major oilseed crops in the red and lateritic tract of Birbhum district" in "Two days Officers /Extension Workers Training Meeting under NMOOP for the year 2017-18 at Suri on 21.2.2018 organised by DDA (Admn.), Birbhum.
- v. Imparted training and delivered lecture on Weed Management in rice and other kharif crops on 27.02.2018 in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) for Birbhum District at RKVK, Visva-Bharati.
- vi. Delivered Lecture on "Weed management in wheat" in "Farmers training meeting programme at Nanoor Block on 28.02.2018 organised by ADA (Admn.), Nanoor Block, Birbhum.
- vii. Delivered Lecture on "Weed management in major pulses and oilseed crops" in "Two days Officers /Extension Workers Training programme under "Targeting Rice Fallow areas in Eastern India" for oilseed during 2017-18 at Office of the ADA Rampurhat I on 07.3.2018 organised by DDA (Admin), Birbhum.

Radio Programme:

- i. Broadcasting a Live Phone-in Programme on 'Conservation Agriculture' on 18.04.2017.
- ii. Broadcasting a Live Phone-in Programme on 'Weed management in winter season crops' on 25.11.2017.

Dr. G.C. Malik

- i. Participated in a programme on "Improved cultivation practices of pulse crop" for Kisan Bani Programme of FM Radio, Santiniketan.
- ii. Participated in a live phone in programme on "Improved cultivation practices of Oilseed crops in Pre-kharif season" for Kisan Bani Programme of FM Radio, Santiniketan.
- iii. Delivered lecture on save water in World water day

Dr. S.K. Maity

- i. 17.01.2018 Delivered an invited lecture on "Use of chemical fertilizers in integrated nutrient management in major field crops" in Seventh Krishi Mela organized by Ramakrishna Math & Ramakrishna Mission, Kamarpukur, Hooghly, West Bengal.
- ii. 20.02.2018 Delivered an invited lecture on "Improved technology for production of rape & mustard in Birbhum district" in the district level training of officers/extension workers under the scheme NMOOP 2017-18 organized by the Office of Deputy Director of Agriculture (Admn.), Birbhum at Suri, Birbhum, West Bengal.
- iii. 07.03.2018 Delivered an invited lecture on "Improved technology for production of pulses" in Officers/extension workers training programme under the scheme Targeting Rice Fallow Areas (TRFA) in eastern India 2017-18 organized by the Office of Assistant Director of Agriculture

(Admn.), Rampurhat, Birbhum, West Bengal.

- iv. 14.03.2018 Delivered an invited lecture on "Use of liquid biofertilisers" in Fertiliser Promotion Seminar (Liquid Biofertiliser) organized by Krishak Bharati Cooperative Limited (KRIBHCO) at Rampurhat, Birbhum, West Bengal.

Dr. K. Pramanik

- i. Attended and delivered a lecture on "Good Agricultural Practices for increasing production of sesame and groundnut in Birbhum District" in two-days Officer/Extension workers Training Meeting under NMOOP by Deputy Director of Agriculture (Admn.) Birbhum held at Training Hall, SAF, Suri from, from 20.02.2018 to 21.02.2018.
- ii. Attended and delivered a lecture on "Improved technology for production of major oil seed crops in Birbhum District" in two-days Officer/Extension workers Training Meeting under Targeting Rice Fallow Areas in Eastern India for oilseeds by Deputy Director of Agriculture (Admn.) Birbhum held at Training Hall, SAF, Suri from 22.02.2018 to 23.02.2018.
- iii. Attended and delivered a lecture on "Improved technology for production of oil seed" in two-days Officer/Extension workers Training Meeting under Targeting Rice Fallow Areas in Eastern India for oilseeds by assistant Director of Agriculture (Admn.), Rampurhat held at Training Hall, Rampurhat, from 06.03.2018 to 07.03.2018.
- iv. Conducted coaching classes on Agronomy for the students of B. Sc. (Ag.) Hons. Sem-VII and Sem-VIII of 2017-18 for ICAR conducted JRF examination.

Dr. M. Banerjee

- iv. Participated in a live phone in programme on "Improved cultivation practices of Rabi pulse" for Kisan Bani Programme of FM Radio, Santiniketan.
- v. Participated in a live phone in programme on "Improved cultivation practices of Oilseed crops in Pre-kharif season" for Kisan Bani Programme of FM Radio, Santiniketan.

Academic Distinctions gained by Teachers/ Scholars of the Department as a whole (Like recognition as D.S.A. or C.A.S etc) :

Prof. A.K. Barik

- i. HOD, Dept. of Agronomy, PSB.
- ii. BOS External member, Dept. of Agronomy, BCKV, Mohanpur, Nadia, W.B.
- iii. Councilor of West Bengal, Indian Society of Agronomy, New Delhi.
- iv. Life member of Indian Society of Agronomy, New Delhi.
- v. Life member of Indian Society of Forage crops, Hisar.
- vi. Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore.

Prof. B.K. Saren

- i. Nominated as an External Expert Member of Assessment Committee for CAS of Laboratory Technician at ICAR-CRIJAF, Barrackpore by the Chairman, ASRB, New Delhi and committee meeting held on 23.03.2018.

Dr. B. Duary

- i. Visited International Rice Research Institute (IRRI) Head Quarters, Los Banos, Manila,

Philippines as Visiting Scientist in the Sustainable Impact Platform of the IRRI during the period from 8-21 December, 2017.

- ii. ISWS Fellow Award 2015 from Indian Society of Weed Science, ICAR-DWR, Jabalpur.
- iii. CWSS Fellow Award 2015 from Crop and Weed Science Society, Bidhan Chandra Krishi Viswavidyalaya (BCKV).
- iv. Councilor of the Agricultural Society of India, Kolkata.
- v. Member, Editorial Board, IJWS.
- vi. Life member of International Weed Science Society
- vii. Life member of Asia Pacific Weed Science Society (APWSS)
- viii. Life member of Indian Society of Agronomy
- ix. Life member of Indian Society of Weed Science
- x. Life member of Indian Society of Agricultural Sciences
- xi. Life member of Crop and Weed Science Society
- xii. Life member of the Agricultural Society of India, Kolkata.
- xiii. Life member of Indian Science Congress Association
- xiv. Life member of International Society of Bioresource Environment and Agricultural Sciences

Dr. G.C. Malik

- i. Acting as Deputy Proctor, Visva-Bharati
- ii. Acting as Ph.D. coordinator

Dr. K. Pramanik

- i. Life Member of Indian Society of Agronomy, IARI, New Delhi
- ii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- iii. Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- iv. Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha
- v. Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- vi. Serving as a Member of Anti-Ragging Committee, PSB, Visva-Bharati.
- vii. Serving as a Member of Anti-Ragging squads, PSB, Visva-Bharati.
- viii. UG coordinator, Palli Sikaha Bhavana
- ix. Member of Central Admission Committee, Visva-Bharati.
- x. Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan
- xi. Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

Dr. M. Banerjee

- i. Acting as NSS Programme officer.
- ii. Acting as PG coordinator
- iii. Acting as a member of the Internal Complaints Committee

Dr. N.C. Sarkar

- i. Organized field demonstration on rice hybrids on 27th November, 2017 at PSB Farm
- ii. Organized workshop on Livelihood improvement through climate-smart agriculture during 10-

14 Dec, 2017 at PSB, Sriniketan, Birbhum, West Bengal, India

- iii. Organized and acted as Convener in the International Conference on Bioresource and Stress Management during 8-11 November, 2017 at Jaipur, India

Dr. P. Ghosh

- i. Life Member of Indian Society of Agronomy, IARI, New Delhi
- ii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal

Publications within the year April 2017 - March 2018:

- i) Text books ii) Other books iii) Monographs iv) Research papers (Author (s), title of paper, year journal volume No, Pages) v) Number of paper published in Peer /reviewed journals: National / International.

Prof. A.K. Barik

Book Chapter:

- i. Forage crops of the World Vol. I : Major Forage Crops : Berseem (Egyptian clover). USA. Apple Academic Press. 2018. ISBN No. 978-1-77188-684-0

Research Papers :

- i. A. Seal, R. Bera, A. Dutta, S. Saha, R. Roy Chowdhury, A.K. Chatterjee, A.K. Barik, D. Mazumdar, A.K. Dolui, R.K. Sarkar 2017. Evaluation of different organic 'Packages of Practice' in young tea plantation: a case study under FAO-CFC-TBI project at Maud Tea Estate, Assam, India, Journal of Crop Science and Technology 6 (1): 10-16.
- ii. Mahapatra A, Barik A.K., Mishra G.C. 2017. Effect of integrated nutrient management (INM) on growth and yield of Baby Corn (*Zea mays L.*), Journal of Environment and Ecology 36 (1A): 338-342.
- iii. Antara Seal, Ranjan Bera, Anupam Datta, Susmita Saha, Rupkatha Roy Chowdhury, Kajal Sengupta, Arun Kumar Barik, Ashis Kumar Chatterjee 2017. Evaluation of an organic package of practice towards integrated management of solanum tuberosum and its comparison with conventional farming in terms of yield, quality, energy efficiency and economics, Journal of Acta agriculturae Slovenica, 109 (2) : 363-382
- iv. R. Mahunta, A.K. Barik and P.K. Roul 2017. Residual effect of organic nutrient management in Aromatic rice on growth & productivity of Greengram, Journal of Agriculture and Veterinary Science, 10 (3): 36-39

Prof. B.K. Saren

Research Papers:

- i. Purushottam, B. K. Saren and P. P. Padhi(2017). Effect of irrigation scheduling and Zn application on yield and economics of Chickpea. Bulletin of Environment, Pharmacology and Life Sciences,6 (4):61-64.
- ii. Purushottam, S. K. Gupta, B. K. Saren, Bharti Sodi and O.P. Rajwade (2018). Growth and yield of chickpea (*Cicer arietinum L.*) as influenced by irrigation scheduling and zinc application. International Journal of Chemical Studies,6 (1): 1130-1133.
- iii. U. Biswas, G. Mandi, S. Bandyopadhyay, B. K. Saren and Kanu Murmu (2018). Effect of

- varietal performance on growth attributes and yields of lentil varieties under red and lateritic soil of West Bengal. *Journal of Applied and Natural Science*, 10(1): 133-137.
- iv. Purushottam, B. K. Saren, C. S. Puhup, Khirod Kumar and Bharti Sodi (2018). Effect of irrigation scheduling and Zinc application on chlorophyll content, zinc content, uptake and yield of chickpea (*Cicer arietinum* L.). *Journal of Pharmacognosy and Phytochemistry*, 7(1):1834-1837.
 - v. Purushottam and B. K. Saren (2018): Effect of Irrigation Scheduling and Zinc Application on Yield Attributes and Yield of Chickpea (*Cicer arietinum* L.). *Trends in Biosciences*, 11(3): 376-378.

Dr. B. Duary

Book Chapter: (2)

- i. Weed management in Blackgram (*Vigna mungo* L.) Challenges and Opportunities. In: *Contemporary Issues in Agriculture, Environment and Rural Development in India*. Ed. Anamika Moktan. New Delhi Publishers, New Delhi, pp.105-112. ISBN.
- ii. Low-cost Technologies for Improving Productivity of Lathyrus under Rice-utera System in West Bengal. In: *Contemporary Issues in Agriculture, Environment and Rural Development in India*. Ed. Anamika Moktan. New Delhi Publishers, New Delhi, pp.113-118. ISBN

Research Papers:

- i. Teja, K. C., Duary, B., Dash, S. and Mallick, R. B. (2017). Post-emergence application of imazethapyr for weed management in lentil. *Satasa Mukhopatra - Annual Technical Issue*, 21:183-188.
- ii. Bhowmick, M. K., Duary, B. and Bhattacharyya, P. (2017). Evaluation of conventional and climate-resilient methods of crop establishment towards higher productivity of rice varieties. *Satasa Mukhopatra - Annual Technical Issue*, 21:194-199.
- iii. Teja, K. C., Duary, B., Mandal, S., Dash Subhprada, Mallick, R. B. and Sudheer Kumar, M. (2017). Chemical weed management in kharif blackgram under lateritic soil of West Bengal. *Ecology, Environment and Conservation*, 23(2):1032-1036. ISSN0971-765X.
- iv. Chakraborti, M., Duary, B. and Datta, M. (2017). Management of weeds to enhance the production of direct seeded upland rice under Tripura condition. *Ecology, Environment and Conservation*, 23(2):1202-1206. ISSN 0971-765X.
- v. Satapathy, B. S., Duary, B., Saha, S., Pun, K.B. and Singh, T. (2017). Effect of weed management practices on yield and yield attributes of wet direct seeded rice under lowland ecosystem of Assam. *Oryza*, 54(1):29-36. (ISSN:0474-7615).
- vi. Chakraborti, M., Duary, B. and Datta, M. (2017). Residual effect of almix herbicide applied to direct seeded upland rice on succeeding toria under Tripura condition. *International Journal of Agricultural Sciences*, 13(2): 204-207, DOI:10.15740/HAS/IJAS/13.2/204-207. e ISSN-0976-5670.
- vii. Teja, K. C., Duary, B., Subhprada Dash and K. C. Swain (2017). Efficacy of herbicides and their combination on weed management in transplanted kharif rice. *Journal of Crop and Weed*, 13(2):175-179.
- viii. Chakraborti, M., Duary, B. and Datta, M. (2017). Integrated weed management in direct-seeded upland rice under Tripura condition. *Indian Journal of Weed Science*, 49(2): 123-127.

- ix. Das, S., Teja, K. C., Mukherjee, S., Seal, S., Sah, R. K., Duary, B., Kim, Ki-Hyun and Bhattacharyaa, S. S. (2017). Impact of edaphic factors and nutrient management on the hepatoprotective efficiency of Carlinoside purified from pigeon pea leaves: An evaluation of UGT1A1 activity in hepatitis induced organelles. *Environmental Research*, 161 (2018):512-523.
- x. Chakraborti, M., Duary, B. and Datta, M. (2017). Effect of weed management practices on nutrient uptake in direct seeded upland rice under Tripura condition. *International Journal of Current Microbiology and Applied Sciences*, 6(12): 66-72. ISSN:2319-7706. doi:<https://doi.org/10.20546/ijcmas.2017.612.008>.
- xi. Teja, K. C. and B. Duary (2018). Weed management and productivity of rice in conservation agricultural based rice-yellow sarson- green gram cropping system in lateritic soil of West Bengal. *SATSA Mukhopatra - Annual Technical Issue*, 22:88-95. ISSN 0971-975X.

Dr. S.K. Maity

Research Papers :

- i. "Energetic evaluation of integrated nutrient management for nitrogen in kharif rice and its residual effect on Yellow Sarson" *Research Journal of Agricultural Sciences*,. 8 (6): 1362-1365 (Nov-Dec, 2017).
- ii. "Performance of SRI rice-mustard cropping system under system based integrated nutrient management practices" *Oryza - An International Journal on Rice*, 55 (1) : 174-178 (Jan-Mar, 2018).
- iii. "Soil Carbon Sequestration and Crop Yields in Rice-Wheat and Sugarcane-Ratoon-Wheat Cropping Systems Through Crop Residue Management and Inoculation of *Trichoderma viride* in Subtropical India" *Sugar Tech*, 19 (4): 347-358 (July-Aug, 2017).
- iv. "Soil health in system of rice intensification" in *Food Security & Urbanization Equilibrium - a sustainable man -system approach*, ed. Mahuya Sen. Kolkata: Ashadeep, 2017 :85-90.
- v. "Use of pusa-hydrogel (a super absorbent polymer) in agriculture" in *Food Security & Urbanization Equilibrium - a sustainable man -system approach*, ed. Mahuya Sen. Kolkata: Ashadeep, 2017:242-245.

Dr. M. Banerjee

Research Papers:

- i. Banerjee, M., Avinash, B. and Maiti Debtanu. (2018). Improvement of unproductive land through crop selection and agronomic practices as potential climate smart technology, *SATSA Mukhapatra - Annual Technical Issue* (21): 62-69.
- ii. Mura Sekhar Sing, Banerjee, M. and De, Souvik, (2017). Impact of different crop establishment techniques and varieties on CGR, RGR, NAR and yield of hybrid rice, 7(12): 17536-17539.

Dr. N.C. Sarkar

Book

- i. *World vegetable and tuber crops- Agronomy and Post-harvest technology*. American Academic Press. ISBN: 978-1-63181-868-4

Research Papers :

- i. Palai, J.B., Sarkar, N.C., Jena, J., 2017. Effect of Zinc on Growth, Plant Yield, NPK Uptake and

Economics. International Journal of Bio-resource and Stress Management 8(5):698-702.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department :

A BRIEF HISTORY OF THE DEVELOPMENT :

Other relevant information, which in the opinion of the Head of the Department is worth - reporting should be included:

Department of Agronomy organized an exhibition stall of Palli Siksha Bhavana on the topic "Crop diversification" at Sriniketan Magh Mela during 06.02.18 to 08.02.18

DEPARTMENT OF 'ASEPAN'
(Agronomy, Soil Science & Ag.Chem., Ag.
Engineering, Plant Physiology & Animal Science)
A BRIEF HISTORY OF THE DEPARTMENT

Department of Soil Science & Agricultural Chemistry

The Department consists of three disciplines namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department comprise mainly of teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Institute of Agriculture (Palli Siksha Bhavana) our department also contribute courses offered in the UG program. The department has been offering one post graduate courses namely, M.Sc.(Ag) in Soil science & Agricultural Chemistry.

Besides teaching and research activities, the teachers and students are involved in extension activities for solving various problems of the farmers in the locality. Recommendations being made from the findings of the investigations carried out by the Department for farmers adoption in crop cultivation, soil and fertility management for improving crop quality and productivity, soil and water conservation. Extensive RAWE program is offered to the UG students.

Only National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in detail:

Sl. No.	Title of Conference /Seminar etc.	International/ National level
1	29.03.2018. Y. Vasudeva Rao & Merrine Raju. Presented a paper in the National Seminar entitled "National Seminar cum Panel discussion on Doubling Farmers' Income: Role of Agricultural Mechanization", organized by Dept. of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Title of the presentation "Phytochemical analysis and characterization of protease(s) from the latex of <i>Tabernaemontana divericata</i> ".	National
2	27.03.2018. Y. Vasudeva Rao. Presented a paper in the National Seminar entitled "International Seminar on Global peace & Sustainable Development through Language & Literature: Dreams & Designs", organized by Dept. of Arabic, Persian, Urdu & Islamic Studies, Bhasha Bhavana, Visva-Bharati, Santiniketan. Title of the presentation "Will the Agriculture research overcome the changing climate?".	International
3	24.03.2018. Y. Vasudeva Rao. Presented a paper in the National Seminar entitled "National Seminar on	National

- Mixed Farming Traditional Practices to Enhance the Income of a Farmer", organized by Dept. of Animal Sciences, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Title of the presentation "Screening of different plant sources on the modulation of murine antibody response".
- 4 24.03.2018. M. C. Kundu and Subhajat Singha. Participated and presented a research paper in the National Seminar on Mixed farming - a traditional practice to enhance the income of farmers, giving emphasis more in livestock keeping organised by the Department of Animal Science, Institute of Agriculture, Visva-Bharati, Sriniketan in association with the Society of Bio-resource, Environment and Agricultural Research (SBEAR), Santiniketan. Title of presentation: Soil organic carbon content and stock in rice-based cropping systems in lateritic belt of West Bengal. National
- 5 23.03.2018. M. C. Kundu. Participated and presented a research paper in the International Interdisciplinary Conference on "Road Map for the Development of Eco-Tourism in and around Santiniketan & Birbhum" organised by the Public Relations Office, Visva-Bharati, Santiniketan. Title of presentation: Major soil related constraints and strategies for increasing crop productivity in Birbhum district. International
- 6 16.03.2018. M.C. Kundu. Participated and presented a research paper in the National Conference on Frontier Areas of Research and Applications Using Electron Microscopy organized by Siksha-Bhavana & Palli Siksha-Bhavana, Sponsored by Department of Science and Technology, Government of India under PURSE Program, Visva-Bharati held at Lipika Auditorium, Visva-Bharati, Santiniketan. Title of presentation: Applications of scanning electron microscopes in soil science. National
- 7 16.03.2018. M.C Kundu. Participated and presented a research paper in the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats) jointly organised by Palli Samgathana Vibhaga, Visva-Bharati and Institution of Public Health Engineers, India held at Visva- Bharati, Sriniketan. Title of presentation: Composting - an eco-friendly tool of kitchen wastes recycling. National
- 8 16.03.2018. G.K. Ghosh. Delivered an invited talk in the National Seminar entitled "National Conference on Frontier Areas of Research and Applications using Electron Microscopy" jointly organized by Siksha Bhavana (Institute of Science) and Palli Siksha National

- Bhavana (Institute of Agriculture), Visva-Bharati, Santiniketan.
Title of the presentation "Application of Scanning Electron Microscope (SEM) in Agricultural Research".
- 9 16.03.2018. Y. Vasudeva Rao. Presented a paper in the National Seminar entitled "National Conference on Frontier Areas of Research and Applications using Electron Microscopy (Sponsored by DST-PURSE, Govt. of India)", organized by Siksha Bhavana & Palli Siksha Bhavana, Visva-Bharati, Santiniketan. Title of the presentation "Application of Electron Microscopy for the diagnosis of pathogen presence in fishes". National
- 10 11.03.2018. M. C. Kundu and Subhajit Singha. Participated and presented a research paper in the National Symposium on 'Recent Advances in Chemistry Research' Organized by the Department of Chemistry held at Lipika Auditorium, Visva-Bharati, Santiniketan, West Bengal, India. Title of presentation: Soil organic carbon content and stock as affected by land uses in lateritic belt of West Bengal. National
- 11 23.02.2018. G.K.Ghosh. Delivered an invited talk in the National Seminar entitled "Fertiliser Management Development Programme on Fertiliser and Enhancement of Farm Income" organized by FAI-Eastern Region at Camellia Hotels & Resorts, Shantiniketan, West Bengal. Title of the presentation "Soil Health Governance through Integrated Nutrient Management (INM)". National
- 12 29.01.2018. M. C. Kundu, Koushik Manna, Biplab Saha and G. K. Ghosh. Participated and presented a research paper in the one-day National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" organized by the Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Title of presentation: Effect of nonwoven jute agro-textile on moisture conservation, microbial population, nutrient enrichment of soil, weed suppression and yield of broccoli (*Brassica oleracea* L.) in lateritic belt of West Bengal. National
- 13 12.01.2018. J. K. Dey and M. C. Kundu. Participated and presented a research paper in the "1st Farm Innovation Congress 2018 and National Conference on Innovative Farming for Food and Livelihood Security in Changing Climate" organized by Innovative Farming, Society for Advancement of Agricultural Innovation (SAAI) and AICRP on STCRC, BCKV held at FACC (Lake Hall), BCKV, National

- Kalyani, Nadia, West Bengal. Title of presentation:
Effect of different sowing methods and nitrogen sources on grain yield of maize (*Zea mays* L.) in lateritic belt of West Bengal.
- 14 13.12.2018. Nandini Roy, G.K. Ghosh. Presented a paper in the National Seminar entitled "Developments in Soil Science:2017, 82nd Annual Convention of ISSS organized by ISSS Kolkata Chapter" organized by Indian Society of Soil Science, Kolkata. Title of the presentation "Effect of Zinc and Sulphur on yield and quality of Safflower (*Carthamus tinctorius* L.) in Alfisol". National
- 15 12.12.2017. Monisankar Bera, Suchhanda Mondal, Pabitra Kr. Biswas, Manik Chandra Kundu and G.K. Ghosh. Presented a paper in the National Seminar entitled "Developments in Soil Science:2017, 82nd Annual Convention of ISSS organized by ISSS Kolkata Chapter" organized by Indian Society of Soil Science, Kolkata. Title of the presentation "Soil quality as affected by Integrated Nutrient Management of Rice in Lateritic Soils of West Bengal". National
- 16 11.12.2017. Suchhanda Mondal. Presented a paper in the National Seminar entitled "Developments in Soil Science:2017, 82nd Annual Convention of ISSS organized by ISSS Kolkata Chapter" organized by Indian Society of Soil Science, Kolkata. Title of the presentation "Soil microbial biomass carbon and NH₄-N content as affected by application of pyrazosulfuron-ethyl in a lateritic soil of West Bengal". National
- 17 9.06.2017. Arka Sengupta and M.C. Kundu. Participated and presented a research paper in the National Seminar on "Nutrients and pollutants in soil-plant-animal-human continuum for sustaining soil, food and nutritional security - way forward" on the occasion on completion of 91st birth anniversary of Professor L.N. Mandal organized by Bidhan Chandra Krishi Viswavidyalaya in collaboration with National Academy of Agricultural Sciences held at Lake Hall, BCKV, Kalyani. Title of presentation: Effect of potassium management in furrow irrigation systems on grain yield of maize (*Zea mays* L.) in lateritic belt of West Bengal. National
- 18 13.04.2017. M. C. Kundu. Participated and presented a research paper in the National Seminar in Commemoration of 126th Birth Anniversary of Dr. B. R. Ambedkar on "Human Rights and

Social Justice" Organized by the SC, ST, OBC Employees Welfare Association of Visva-Bharati, Visva-Bharati held in Lipika, Visva-Bharati, Santiniketan. Title of presentation: Azolla - Boon for Sustainable Rice Production.

Ongoing Research Projects in the Department:

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Prof. Goutam Kr Ghosh	Vermicompost based Organic Farming in Tribal dominated Red and Lateritic Belt of West Bengal	DBT (Govt of W.B)	Rs.9,62,940/-
	Soil Health Card (SHC) Scheme since 2016	Centrally Sponsored	Rs.44,21,280/-

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department:

Extensive RAWE program is conducted to the UG students by all the faculties of the department.

Academic Distinctions gained by Teachers/Scholars of the Department as a whole (like recognition as D.S.A. or C.A.S. etc.):

Prof. A.K. Chatterjee has been appointed as Executive Council member of the University.

Prof. A.K. Chatterjee has been appointed as Dean of the Institute of Agriculture.

Prof. A.K. Chatterjee has been appointed as an External member of the BOS of the Dept. of Soil Science & Ag. Chemistry, B.C.K.V.

Prof. G.K. Ghosh has been appointed as Vice-principal of the Institute of Agriculture.

Dr. P.K. Biswas has been appointed as PG Co-coordinator in Soil Science and Agricultural Chemistry Department.

Dr. M.C. Kundu has been appointed as Research Coordinator in Soil Science and Agricultural Chemistry Department.

Dr. P.K. Biswas was appointed as an External Examiner/Ph.D. thesis evaluator for Rajshahi University, Bangladesh and Bangladesh Agricultural University, Mymensing

Dr. P.K. Biswas was appointed as a member of selection committee of Public Service Commission, Government of West Bengal.

Dr. Y.V. Rao was appointed as an External Examiner/Ph.D. thesis evaluator for Andhra University, Visakhapatnam.

Publications within the year April 2017 - March 2018:

Sl.No.	Title of Paper/Book/Chapter
1	Achyranthes aspera enhances the efficiency of antigen clearance and disease resistance in fishes. International Journal of Bio-resource, Environment and Agricultural Sciences 2017; Vol. 3, No. 3, pp.564-568.
2	Biochar Amendments on Physico-chemical and Biological Properties of Soils. Agrica 2017,

- Vol. 6, No. 1, pp. 19-27.
- 3 Constraints and strategies for improving productivity of pulses in West Bengal. In: Development and Empowerment: Challenges & Prospects, edited by Amik Institute of Management Sciences and Technology. New Delhi Publishers, New Delhi. pp. 121-127. (ISBN: 978-93-86453-03-7).
 - 4 *Croton bonplandianum*: Antioxidant, Protease, Catalase and Peroxidase activities. Journal of Biological & Chemical Research 2018; Vol. 35, No. 1, pp. 183-193.
 - 5 Delineation of major and micronutrient status of soils of rice based cropping system in Mayurbhanj district of Odisha. *Oryza* 2017; Vol. 54, No. 2, pp. 249-251.
 - 6 Effect of different land uses on soil organic carbon in new alluvial belt of West Bengal. International Journal of Bio-Resource, Environment and Agricultural Sciences. 2017; Vol. 3, No. 2, pp. 517-520.
 - 7 Effect of different Sources of Sulphur on Growth, Productivity and Oil Content of *Brassica campestris* var. toria in the Red Soil of Odisha. International Journal of Agriculture, Environment and Biotechnology 2017, Vol. 10, No. 6, pp. 689-694.
 - 8 Effect of Farmyard Manure, Zinc and Sulphur on Yield and Quality of Rice (*Oryza sativa* L.) in Hilly Regions of Meghalaya. International Journal of Plant, Animal and Environmental Sciences 2017, Vol. 7, No. 4, pp. 21-26.
 - 9 Effect of Integrated Nutrient Management in Yield, Growth Attributes and Microbial Population of Sesame (*Sesamum indicum*). Int. J. Curr. Microbiol. App. Sci 2017, Vol. 6 No. 7, pp. 462-468.
 - 10 Effect of nonwoven jute agrotexile mulch on soil health and productivity of broccoli (*Brassica oleracea* L.) in lateritic soil. Environmental Monitoring and Assessment. 2018; Vol. 190, No. 2: pp. .
 - 11 Effect of Phosphorus Sources on Productivity and Nutrient Use Efficiencies of Groundnut in Alfisols. Environment & Ecology 2017, Vol. 35, No. 1, pp. 40-45.
 - 12 Efficacy of Geotextile Jute Mulches on Yield, Soil Moisture Dynamics, Microbial Status in French Bean (*Phaseolus vulgaris* L.) - capsicum (*Capsicum annum* L.) Cropping System. Trends in Biosciences 2017, Vol. 10, No. 1, pp. 187-190.
 - 13 Efficacy of Geotextile Jute Mulches on Yield, Soil Nutrient Dynamics and Weed Suppression in French bean (*Phaseolus vulgaris* L.)-Capsicum (*Capsicum annum* L.) Cropping System. International Journal of Bio-resource and Stress Management 2017; Vol. 8, No. 1, pp. 057-063.
 - 14 Evaluation of Soil Fertility Status of Rajiv Gandhi South Campus (Banaras Hindu University), Mirzapur, Uttar Pradesh by Using GIS. International Journal of Current Microbiology and Applied Sciences. 2018; Vol. Special Issue-7, pp. 3825-3836.
 - 15 Green Manuring with Dhaincha for Improving Crop Productivity and Soil Health. In: Growth and Diversification in India's Emerging Economy, edited by P.K. Chattopadhyay and D.S. Kushwaha. New Delhi Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059. pp. 69-74. (ISBN: 978-93-86453-06-8).
 - 16 Influence of doses and source of sulphur on yield, quality and economics of mustard

- (*Brassica campestris* var *toria*) in red soil of Odisha. *Annals of Plant and Soil Research* 2018, Vol. 20, No. 1, pp. 46-51.
- 17 Integrated nutrient management in Sesame (*Sesamum indicum* L.) in red and lateritic soils of West Bengal. *International Journal of Plant, Animal and Environmental Sciences* 2017, Vol. 7, No. 1, pp. 137-146.
- 18 Micro and Secondary Nutrients Status of Georeferenced Soils of Nabarangapur district, Odisha. *Trends in Biosciences* 2017, Vol. 10, No. 1, pp. 284-285.
- 19 Nature of acidity in some soils of red and lateritic belt of West Bengal. *Journal of Soils and Crops* 2017; Vol. 27, No. 1, pp. 39-44.
- 20 Nutrient Content of Cauliflower (*Brassica oleracea* L. var. *botrytis*) as Influenced by Lime, Boron and Farmyard Manure in Acid soil of North Central Plateau Zone of India. *Trends in Biosciences* 2017, Vol. 10, No. 1, pp. 240-245,
- 21 Quantifying the relative role of phytase and phosphatase enzymes in phosphorus mineralization during vermicomposting of fibrous tea factory waste. *Ecological Engineering* 2018, Vol. 116, pp. 97-103.
- 22 Screening of different plant sources on the modulation of murine antibody response. *Journal of Biological & Chemical Research* 2018; Vol. 35, No. 1, pp. 209-213.
- 23 Soil Organic Carbon Pools as Affected by Land Use Types in Hilly Ecosystems of Manipur. *International Journal of Bio-resource and Stress Management* 2017; Vol. 8, No. 2, pp. 220-225.
- 24 Studies on the fate of Swing-a ready-mix fungicide (Epoxyconazole 12.5% SC & Carbendazim 50 WP) in Paddy field. *International Journal of Plant, Animal and Environmental Sciences* 2017, Vol. 7, No. 1, pp. 117-122.

A brief history of the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for the development

This department has been separated newly from a composite department called ASEPAN and started its function from October 1, 2016. Now the department consists of three related disciplines of Agricultural Sciences, namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department are teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Palli Siksha Bhavana our department also contribute Soil Science and Biochemistry courses offered in the UG program. At present, the department has been offering one post graduate courses namely, M.Sc. (Ag) in Soil science & Agricultural Chemistry. In future, we would like to excel the research capability of the department with sophisticated instrumentation in both P.G. and Ph.D. levels

Other relevant information:

Some of the students of our department have obtained placements

Sl. No.	Name of the Student	Job obtained	Place
1.	Md. Asif Iqbal	Program Assistant (Lab Technician), Jalpaigudi KVK, W.B. University of Animal and Fishery Sciences, Govt. of West Bengal.	Jalpaiguri
2.	Sai Parasar Das	Subject Matter Specialist, KVK, Food Security and Agricultural Development Department, Govt. of Sikkim.	West Sikkim
3.	Siddhardha Mallick	Marketing Officer, Matrix Fertilizers Limited	Siliguri

DEPARTMENT OF GENETICS & PLANT BREEDING AND CROP PHYSIOLOGY

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations - 1
Smt. Madhuri Pradhan; qualified ICAR NET

Departmental Seminar (Speakers, Title of the Seminar, Date) - NIL

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

The following seminars/symposium/conference was attended by all the faculty members of Genetics and Plant Breeding section of the Department.

16.11.2017-18.11.2017. National Seminar of Hindi Vigyan Sahitya Parishad (HVSP) of Bhaba Atomic Research Centre (BARC), on "Sanskriti evam Vigyan" Organised by the Deptt. of Genetics and Plant Breeding and Crop Physiology, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan

29.01.2018. National Seminar cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" ; Organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

16.03.2018. National Conference on Frontier Areas of Research and Applications Using Electron Microscopy; sponsored by Department of Science and Technology, Government of India under PURSE Program, Visva-Bharati at Lipika Auditorium, Visva-Bharati, Santiniketan

24.03.2018-25.03.2018. National Seminar on "Mixed Farming Traditional Practices to Enhance the Income of a Farmer (MFTPEIF)" at PSB, Visva-Bharati, Sriniketan

The following seminars/symposium/conference was attended by all the faculty members of Crop Physiology section of the Department.

Sananda Mondal

9.12.2017-11.12.2017. Presented paper in the National Symposium on "Towards Climate Smart Agriculture- A Key to Livelihood Security" organized by Institute of Agricultural Science, University of Calcutta, entitled "Plant defence signaling mechanism".

29-01-2018. Presented paper in the One day National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan , entitled "Impact of calcium nitrate seed priming on somatic embryogenesis of rice (var. MTU 7024)".

23.03.2018 to 25.03.2018. Presented paper in the International Interdisciplinary Conference on "Road Map for the Development of Eco-Tourism in and around Santiniketan and Birbhum" organized by Public Relation Office, Visva-Bharati, with Ministry of Tourism, Govt. of India & Dept. of Tourism, Govt. of West Bengal, entitled "Avenue Trees In And Around Santiniketan: Morphophysiological Effect of Solid Particulate Matter Deposits and Their Potential For Mitigation Of Air Pollution- A Review"

24.03.2018 to 25.03.2018. Presented paper in the National Seminar on "Mixed Farming - a Traditional Practice to Enhance the Income of Farmers" organized by the Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan, entitled "Physiological indices and pigment content of chickpea as influenced by moisture stress and growth regulators"

Debasish Panda

9.12.2017-11.12.2017. Presented paper in the National Symposium on "Towards Climate Smart Agriculture- A Key to Livelihood Security" organized by Institute of Agricultural Science, University of Calcutta

29.01.2018. National Seminar cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization"; Organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

16.03.2018-17.03.2018. Presented paper in National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats) organized by jointly organized by Palli Sangathan Bibhag, Visva-Bharati, Santiniketan and Institute of Public Health Engineers India

23.03.2018 to 25.03.2018. Presented paper in the International Interdisciplinary Conference on "Road Map for the Development of Eco-Tourism in and around Santiniketan and Birbhum" organized by Public Relation Office, Visva-Bharati, with Ministry of Tourism, Govt. of India & Dept. of Tourism, Govt. of West Bengal

24.03.2018 to 25.03.2018. Presented paper in the National Seminar on "Mixed Farming - a Traditional Practice to Enhance the Income of Farmers" organized by the Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan

26.03.2018-27.03.2018. Presented paper in the National seminar on learning to live in peace: Value education inputs for a better world organized by Department of Education, Vinay Bhavana, Visva-Bharati, Santiniketan.

Ongoing research projects in the Department

Amitava Paul

As PI carrying Research project entitled "Genetic improvement of sesame through induced mutation" sponsored by DAE-BRNS, BARC, Trombay. (Total funding Rs. 25,00,000/-) for three years 2014-15 to 2016-17. Extended for one more year (1st April' 2017- 31st March'2018).

As Co-PI of the Research Project entitled "Induced mutation for early maturing, semi dwarf and high yielding lines in Aromatic rice Badshabhog" bearing sanction No. 35/14/07/2016-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs.22,00,000) for three years,2016-17 to 2018-19.

Nihar Ranjan Chakraborty

As Principal Investigator of the Research Project entitled "Induced mutation for early maturing, semi dwarf and high yielding lines in Aromatic rice Badshabhog" bearing sanction No. 35/14/07/

2016-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs.22,00,000) for three years,2016-17 to 2018-19.

As Co-Investigator carrying Research Project entitled "Genetic improvement of sesame through induced mutation" bearing sanction No. 35/14/09/2014-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India. (Total funding Rs. 25,00,000/-) for three years 2014-15 to 2016-17. Extended for one more year (1st April' 2017- 31st March'2018).

Sandip Debnath

As Co-Investigator carrying IFAD-ICARDA PROJECT IN SOUTH ASIA ON "Enhancing food and nutritional security and improved livelihoods through intensification of rice-fallow system with pulse crops" from October, 2016.

Acting as Co-PI of the GovtWB-ICARDA Project on "Enhancing Pulses Production for Food and Nutritional Security, Improved Livelihoods, and Sustainable Agriculture in West Bengal" from October, 2017.

Debasish Panda

Acted as Co-PI of the Project entitled Evaluation of Bioefficacy and Phytotoxicity Analysis of Rs. 2000 in Onion Crop funded by WillowWood Chemicals Pvt. Ltd(Total funding 3.5 lakhs, Duration: 2016-2017)

Sananda Mondal

As Co-PI in the project entitled " Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Tea and non-cropped area" funded by Willow Wood, New Delhi (Total funding of Rs. 1207500/- for two years, 2017-18 to 2018-19).

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, , Visva-Bharati, Govt. of West Bengal, NGO's etc.).

Deliberation of lectures:

Television programme and radio talk:

Nihar Ranjan Chakraborty

Radio Talk

Participated on live phone- in radio programme on "Rabindranath Tagore's thinking on Agriculture and relation to present situation" organized by All India Radio, Santiniketan on 6th May, 17.

Participated on live phone- in radio programme on "Cultivation of High Yielding Variety of Rice (HYV) and Local flaboured rice in West Bengal" organized by All India Radio, Santiniketan on 18th July, 17.

Participated on live phone- in radio programme on "Cultivation of sesame" organized by All India Radio, Santiniketan on 12th Sept. 17.

Participated on live phone- in radio programme on "Cultivation of mustard" organized by All India Radio, Santiniketan on 14th Nov. 17

Participated on live phone- in radio programme on "Role of farmer for development of Agriculture" organized by All India Radio, Santiniketan on 6th March. 18.

Sandip Debnath

Conducted one Radio programme on "Causes behind varietal rundown" (DOR:14.11.2018).

Sananda Mondal

Conducted one Radio talk on the topic entitled ' Seed priming on rabi crops' (DOR:)

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)

Paresh Chandra Kole

Reviewer of:

3 Biotech

Biochemical Genetics

Journal of Experimental Biology and Agricultural Sciences

Asian Journal of Advances in Agricultural Research

Acted as Chairperson for Session: V on 18th November, 2017 in "Sahitya, Sanskriti abm Vigyan" by Rashtrya Vigyan Sangosthi, Hindi Vigyan Sahitya Parisad, Bhaba Atomic Research Centre, Mumbai, held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan on 17th and 18th November, 2017.

Acted as an External Examiner for M.Sc.(Ag) Thesis evaluation of Bidhan Chandra Krishi Viswa-Vidyalaya, Kalyani, Nadia

Acted as an External Examiner for Ph.D. Thesis evaluation of Bidhan Chandra Krishi Viswa-Vidyalaya, Kalyani, Nadia, Calcutta University, Kolkata, Ramkrishna Mission Vivekananda University, Belur Math, Howrah and Rajsahi University, Bangladesh

Ph. D. Thesis: one (submitted)

Amitava Paul

Life member of the following societies:

Indian Society of Genetics and Plant Breeding, New Delhi

Crop and Weed Science Society, BCKV, Nadia

Biosciences & Agriculture Advancement Society, Meerut

The Indian Science Congress Association

Association for Plant Breeding and Improvement (APBI), CU, Kolkata.

Acted as external examiner and paper setter of different Agricultural Universities (OUAT, Bhubaneswar , BCKV, Mohanpur, UBKV, Pundibari)

Acted as evaluator and external examiner for M.Sc and Ph.D thesis of different Agricultural Universities (BCKV, Mohanpur, UBKV, Pundibari , Calcutta University, Kolkata and R. K. Mission and Vivekananda University of Agriculture and Rural Management, Narendrapur; Bangladesh Krishi Viswavidyalaya, Moimansingha, Bangladesh etc.)

Nihar Ranjan Chakraborty

Life member of the following:

Indian Science Congress Association (ISCA)

Association for Plant Breeding and Improvement (APBI), Kolkata

Acted as an external examiner for M.Sc.(Ag) Thesis evaluation in UBKV during 2017.

Acted as an external examiner for setting question paper for B.Sc. (Ag.) Hons. of different Agricultural Universities (Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, WB; Central Agricultural University, Imphal, Manipur etc.).

Member of the Board of Studies in Environmental Studies, Visva-Bharati, Sriniketan

Acted as Teacher-Warden, P.S.B. Boys' Hostel, Palli siksha Bhavana

Acted as reviewer of research papers:

Agricultural Research Journals (ARJ)

International Journal of Plant Breeding and Crop Science

Industrial crops and products

Debasish Panda

Life member of Indian Society for Plant Physiology, New Delhi

Life Member of Indian Society of Soil Biology and Ecology, Bengaluru

Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal

Life Member of Society of Bio-resource, Environment and Agricultural Research, Santiniketan, W.B.

Acted as Joint Organizing secretary of the One Day National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" organized by Department of Agricultural Engineering, Palli Siksha Bhavana, Visva-Bharati, Sriniketan on 29 January 2018.

Acted as the Convenor of the National Seminar on "Mixed Farming-a Traditional Practice to Enhance the Income of Farmers" organized by the Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan during 24 March 2018 to 25 March 2018.

Acted as an external examiner and paper setter of different Agricultural Universities (OUAT, Bhubaneswar and BCKV, Mohanpur)

Editor of International Journal of Bio-resource, Environment and Agricultural Sciences (ISSN 2454-3551)

Reviewer of International Journal of Phytoremediation (Taylor & Francis)

Reviewer of Ecological Indicators Journal (Elsevier)

Sananda Mondal

Life member of the following:

Indian Society of Plant Physiology, IARI, New Delhi

Crop and Weed Science Society, BCKV, Nadia, West Bengal

The Indian Science Congress Association, Kolkata, West Bengal

Society of Bio-resource, Environment and Agricultural Research, Sriniketan, West Bengal

Member of Editorial Board of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

Acted as Organizing secretary of the National Conference Seminar on Mixed Farming - a Traditional Practice to Enhance the Income of a Farmers organized by Department of Animal Science, Institute of Agriculture, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan during 24-25 March, 2018

Acted as an external examiner and paper setter of different universities viz. Bidhan Chandra Krishi Viswavidyalaya, Mohanpur and Uttar Banga Krishi Viswavidyalaya, Pundibari.

Acted as reviewer of different International and National Journals

Publications (Published during April 2017 - March 2018)

Paresh Chandra Kole

"Characterization of *Perilla frutescens* (Linn.) Britt based on morphological, biochemical and STMS markers". *Industrial Crops & Products*, 2017, Vol. 109, pp.773-785.

"Genetic diversity and identification of potential cold tolerant ecotypes from the Brazilian Hevea germplasm of International Rubber Research and Development Board Collection". *Indian Journal of Plant Genetic Resources*, 2017, Vol. 30, no.3, pp. 201- 210.

"Population structure and association analysis of heat stress relevant traits in chickpea (*Cicer arietinum* L.)", *3 Biotech*, 2018, Vol. 43

"Heat tolerance indices and their role in selection of heat stress tolerant chickpea (*Cicer arietinum*) genotypes". *Indian Journal of Agricultural Sciences*, 2018, Vol. 88, pp. 260-267.

"Studies on heterosis and heterobeltiosis for seed yield and yield attributing traits of sunflower (*Helianthus annuus* L.) in high saline soil of West Bengal", *Journal of Crop and Weed*, 2018, Vol. 14, no.1, pp. 91-99.

Amitava Paul

Research papers

"Gamma irradiation effect on yield and yield attributing traits of Sesame (*Sesamum indicum* L.) in M1 generation" *Journal of Pharmacognosy and Phytochemistry*, 2017, Vol. 6, no. 5, pp.1311-1315.

"Effectiveness and efficiency of gamma rays on sesame (*Sesamum indicum* L.) genotypes". *The Bioscan*. 2017, Vol. 12, no.2, pp.1233-1237.

"Gamma Ray Induced Macro Mutants in Sesame (*Sesamum indicum*L.)". *International Journal of Current Microbiology and Applied Science*. 2017, Vol. 6, no. 10, pp. 2429-2437.

"Frequency spectrum and segregating pattern of chlorophyll mutation in sesame (*Sesamum indicum* L.)". *International Journal of Chemical Studies*.2017, Vol. 5, no. 6, pp. 1577-1579.

Radiation induced mutagen sensitivity and chlorophyll mutation frequency on Sesame (Till Seed) (*Sesamum indicum* L.)". *Journal of Environmental Biology*. 2018 (in press, accepted on 24th February, 2018).

Articles

Implementation of Radiation Technology for Improvement of Sesame". *Indian Farmer*. 2017, Vol. 4, no.7, pp. 566-574.

"Application of reverse genetics by TILLING for crop improvement". *Indian Farmer*. 2018, Vol. 5, no. 4, pp. 459-465.

Nihar Ranjan Chakraborty

"Identification of superior sunflower (*Helianthus annuus* L.) hybrids for rabi-summer season for West Bengal". *Journal of Agroecology and Natural Resource Management*. 2017, Vol. 3, no. 3, pp.237-242.

" Badsabhog M2 Sughandhit Dhan Ki Prajati mai rupatmak utparivertan". *Journal of Vagynik*. 2017, Vol. 4, pp. 44-46.

"Studies on heterosis and heterobeltiosis for seed yield and yield attributing traits of sunflower (*Helianthus annuus* L.) in high saline soil of West Bengal. *Journal of Crop and Weed*, 2018, Vol. 14, no.1, pp. 91-99.

"Genetic diversity analysis in non-basmati aromatic rice. *International journal of Agricultural Science and Research*, 2018, Vol. 8, no. 2(in press).

Sandip Debnath**Book Chapter**

"Recent Researches on Molecular Breeding for Spice Crop Improvement" in *Indian Spices*, ed. A Sharangi. Springer, Cham, 2018, pp. 317-339. Online ISBN 978-3-319-75016-3.

Debasish Panda**Book**

Panda, D. 2017. *Studies On The Growth And Yield Of Sesame (Sesamum indicum L.)*. LAP Lambert Academic Publishing, Germany (ISBN 978-3-330-07301-2).

Book Chapters

Char, R., Mondal B. and Panda, D. 2017. Traditional Herbal Medicine in Bribhum District of West Bengal. In: *Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II)* (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.135-140 (ISBN 978-93-85503-58-0)

Panda, D., Mondal, S., Mondal, B. and Pramanik, K. 2017. Food and Nutritional Security through Biofortification of Staple Food Crops. In: *Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II)* (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.254-264 (ISBN 978-93-85503-58-0)

Panda, D. and Mondal, B. 2017. Ecophysiological and Agricultural Significance of Indicator Plants. In: *Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II)* (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.265-271 (ISBN 978-93-85503-58-0)

Panda, D. Pramanik, K. and Mondal, B. 2017. Legislative Measures in India for Land Reforms, Input Management in Agriculture & Food Security: Steps towards Inclusive Growth. In: *Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II)* (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.272-282 (ISBN 978-93-

85503-58-0)

Research paper

Debata, D. K., Mohapatra, K. B., Panda, D. 2017. Effect of Environmental Conditions on Yield and Yield Attributing Parameters of Straw Mushroom (*Volvariella* spp.) Environment and Ecology. 35 (1A): 336-340

Mishra, A. and Panda, D. 2018. Novel plant growth regulators and their potential uses in agriculture. International Journal of Bio-resource and Stress Management (accepted)

Sananda Mondal

Research papers

Accelerated aging affects the germination physiology of wheat seeds". International Journal of Agriculture, Environment and Biotechnology. 2017. (In Press)

"Impact of halo and hormonal priming on early vegetative growth phase of rice var. MTU 7029. International Journal of Bio-resource and Stress Management. 2018. (In Press)

Book Chapter

Phytochrome: physiology, molecular aspects and sustainable crop production. In: Emerging Trends of Plant Physiology for Sustainable Crop Production. Apple Academic Press, 2017. ISBN (In Press)

Impact of seed priming on the modulation of physico-chemical and molecular processes during germination, growth and development of crops. In Science of priming in crop species: From basics to recent advances, ed. Amitava Rakshit and HB Singh (In Press)

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

Studies on agro-botanical characters of different cereals, pulses, oilseeds and vegetables crops 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 F1 generation or isolation of promising segregants in advanced generation of inbreeding.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development

The Department of GPB & CP, comprising two distinct disciplines viz. Genetics & Plant Breeding, and Crop Physiology, started functioning from November'2016. M.Sc(Ag) in Genetics and Plant Breeding started from Academic session 2015-16 with an intake capacity of six students every year. The department offers various courses on Genetics, Plant Breeding, Plant Biotechnology, Breeding Field Crops and Plant Physiology at U. G. level. 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 M.Sc and Ph. D. degree, and extension activities. The faculty members conducted special classes exclusively for the purpose of ICAR, JRF and other competitive examinations.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

The department has planned to set up modern and well-equipped laboratories for tissue culture and molecular breeding work.

Particulars in details of the Departmental Library:

At present there is no departmental library. For detail information please see the Annual Report of Palli Siksha Bhavana.

Number of Ph. D students

Paresh Chandra Kole : 05

Amitava Paul : 07

Nihar Ranjan Chakraborty : 04

Sandip Debnath : 03

Debasish Panda : 04

Sananda Mondal : 04

**DEPARTMENT OF HORTICULTURE &
POST-HARVEST TECHNOLOGY
Palli Siksha Bhavana (Institute of Agriculture)**

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations -
Departmental Seminar (Speakers, Title of the Seminar, Date) - NIL
Only National & International standard Conference/Seminar/Workshop/Exhibition etc. attended
by Teachers/Research scholars in details:

Goutam Mandal

13-14th September 2017: National Seminar on 'Impact of Changing Environment on
Plants, Microbes and their Interactions', held at Visva-Bharati West Bengal during 13-14th September
2017

13-14th April 2017: National Seminar on 'Human Rights and Social Justice' at Visva-Bharati,
Santiniketan, India held during 13-14th April 2017.

24-25th March 2018: The National Seminar on 'Mixed Farming- A traditional Practice to enhance
the Income of a Farmer' held at Visva-Bharati West Bengal during 24-25 March 2018.

16-17th March 2018: National Seminar on 'Waste management of local self Government
(Municipalities and Panchayats)', jointly organized by Palli Samgathana Vibhaga, Visva-Bharati
and Institution of Public Health Engineers, India held at Sriniketan, Visva-Bharati during 16-17th
March 2018.

16th March 2018: National conference on Frontier Areas of Research and applications using electron
microscopy. Jointly organised by Siksha Bhavana and Institute of Agriculture held at Visva-Bharati
West Bengal on 16th March 2018.

Joydip Mandal

7th April, 2017: International Symposium on "Chemistry for Human Welfare" organized by Department
of Chemistry, University of Gour Banga, Malda on 07th April 2017; made a presentation on "Studies
on Bulb Quality of Some Onion Genotypes".

13th - 14th April, 2017: National Seminar on "Human Right and Social Justice" organized by SC, ST,
OBC Employees Welfare Association of Visva-Bharati, Santiniketan from 13th - 14th April, 2017;
made a presentation on "Study on Storage of Onion Bulbs".

16th -17th November 2017: 2nd Regional Science and Technology congress 2017, West Bengal
organized by The University of Burdwan, Bardhaman and Dept. of Higher Education, Science and
Technology and Biotechnology, Govt. of West Bengal from 16th -17th November 2017; made a
presentation on "Effect of Bulb Weight and Spacing in Seed Production of Onion under Red and
Laterite Zone of West Bengal".

9th - 11th December, 2017: National Symposium to Commemorate 50th Year of the Agricultural
Experimental Farm, University of Calcutta "Towards Climate Smart Agriculture - A Key to Livelihood
Security" organized by Institute of Agricultural Science, University of Calcutta, Kolkata from 9th
- 11th December, 2017; made a presentation on "Study on Onion (*Allium cepa* L.) under Red and
Laterite Zone of West Bengal".

5th January, 2018: International Seminar on "Issues in Sustainable Development in India: Present Problems and Future Perspective" organized by A. K Dasgupta Centre for Planning and Development (A Centre Sponsored by NITI AAYOG, Govt. of India), Visva-Bharati, Santiniketan on 5th January, 2018; made a presentation on "Riverbed Cultivation of Melon for Livelihood Support and Sustainability".

Prahlad Deb

5 - 6 December 2017: 4th International Symposium on Minor Fruits, Medicinal and Aromatic Plants, College of Horticulture & Forestry, Centarl Agricultural University, Pasighat, Arunachal Pradesh; presented a paper on "Effect of Hot Water Treatment and Drying Methods on Chemical Quality of Wood Apple Pulp Powder".

27 February 2018: National Seminar on Glimpses of Biology Beyond Text Books,; Department of Zoology, Pingla Thana Mahavidyalaya, Paschim Medinipur; acted as resource person and delivered invited lecture on "Strategic Issues in Horticulture for Livelyhood and Sustainable Development".

24 - 25 March 2018: National Seminar on Mixed Farming, A Traditional Practice to Enhancethe Income of Farmers; acted as Organizing Secretary and participated in the seminar.

Ongoing research projects in the Department

Partha Sarathi Muni

UGC -Emeritus Fellow Project on 'Survey, Evaluation and Popularization of Some Traditional Medicinal and Aromatic Plants under Western Dry Tract of West Bengal'.

Prahlad Deb

As PI carrying Research project entitled "Effect of irradiation and packaging on Sapota fruits (*Achras zapota* L.) under different storage condition" as Investigator in-charge, funded by Department of Atomic Energy, Govt. of India (DAE/BRNS) (Total funding Rs. 30,00,000/-) for four years 2013-2017.

As PI carrying Research project entitled "Leaf Tissue Analysis Laboratory", funded by National Horticulture Mission through Dept. of Food Processing Industries and Horticulture, Govt. of West Bengal (Total funding Rs. 20,00,000/-) since 2014.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, Siksha Satra - Palli Charcha Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).

The section Horticulture takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').

Dr G. Mandal organized 17th Reunion Palli-Siksha Bhavana held during 20-21st January 2018 worked as a secretary.

Dr G. Mandal organized National Seminar on 'Human Rights and Social Justice' at Visva-Bharati, Santiniketan, India held at Santiniketan, Visva-Bharati during 13-14th April 2017

Dr. Joydip Mandal was committee member in 'Halakarshana' programme, 2017.

Dr. Joydip Mandal act as Co-ordinator of the Exhibition at Sriniketan Annual Festival (Magh Mela), 6 to 8 February 2018.

Deliberation of lectures:

Goutam Mandal

5th August 2017: Delivered lecture on 'Cultivation of fruits and its importance' in the awareness Programme on Horticulture/vegetables conducted by Dept of Lifelong Learning and Extension (REC) on 5th August 2017 at Kartikdanaga Village, Bolpur Block, Birbhum.

28th August 2017: Delivered lecture on 'Improved methods of papaya cultivation' in one day Farmers Training Programme under ATMA at Bolpur Farmers Help Centre, Krisak Bazar, Sriniketan conducted on 28th August 2017.

28th November 2017: Delivered lecture on 'Pre and postharvest management of fruits and vegetables in unique stress of Birbhum District' Farmers Training on 'Modern technologies of horticulture in Paschimanchal blocks of Birbhum District during 27-28th November, 2017 at Visva-Bharati conducted by Department of Horticulture, Gov. of West Bengal.

Joydip Mandal

28th and 29th April 2017: Delivered lecture on "Improved Package and Practices of Pre-Kharif Seasonal Vegetables" for practicing farmers and farm women organized by organized by Rathindra Krishi Vigyan Kendra, PSB, Visva -Bharati Sriniketan on 29th April 2018.

05th August 2017: Delivered lecture on "Vegetable Cultivation" in an "Awareness Programme on Horticulture" in Kartikdanga, Bolpur organized by Lifelong Learning and Extension (REC) on 5th August 2017.

22nd and 23rd August 2017: Delivered lecture on "Cultivation of Kharif Onion" in Two One Day Farmers Training Programme organized by Farm Information and Advisory Centre (FIAC), ATMA, Office of the Assistant Director of Agriculture, Bolpur-Sriniketan, Birbhum on 22nd August 2017.

30th August 2017: Delivered lecture on "Genetic Resources of Brinjal and Its Conservation under Bengal Condition" and took part in group discussion organized by Development Research Communication and Service Centre (DRCSC) at Kasba, Bosepukur, Kolkata on 30th August 2017.

27th and 28th November 2017: Delivered lecture in the topic "Golden Opportunity for Onion Cultivation in Red & Lateritic Zone of West Bengal" in Two Days District Level Seminar on "Modern Technologies of Horticulture in Paschimanchal Blocks of Birbhum District" organized by Office of the Deputy Director of Horticulture, Suri, Birbhum on 28th November 2017.

12th and 13th February 2018: Participated as a Resource person and delivered a lecture on "Commercial Vegetable Cultivation" in a Farmers-Scientists Interaction programme under ATMA, Birbhum organized by Rathindra Krishi Vigyan Kendra, PSB, Visva-Bharati Sriniketan on 12th February 2018.

13th February 2018: Participated as a Resource person and delivered a lecture and demonstrated "Kitchen Garden" in DAESI (Diploma in Agricultural Extension Services for Input Dealers) organized by Rathindra Krishi Vigyan Kendra, PSB, Visva-Bharati Sriniketan on 13th February 2018.

Television programme and radio talk:

Goutam Mandal

17th June 2017: Radio talk on 'Importance of minor fruit in livelihood of rural Bengal'.

26th August 2017: Radio talk on 'Improved methods of Papaya cultivation'.

27th January 2018: Live radio programme on 'Cultivation of onion' broadcasted live at 6:30 pm on 27th January 2018.

Prahlad Deb

24 August 2017: Television programme (Doordarshan Kendra Santiniketan) in "Krishi Darshan" on "High Value Vegetable Farming" at 4.30 pm

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.).

Partha Sarathi Munsi

Life Member of the following professional societies

1. Indian Science Congress Association.
2. The Agricultural Society of India.
3. The Society for the Advancement of Horticulture.
4. Indian Association of Biological Sciences.
5. The Orissa Horticultural Society.
6. Horticultural Society of India.
7. Indian Society of Ornamental Horticulture.
8. The Essential Oil Association of India.
9. Society for Promotion of Horticulture.
10. International Society for Horticultural Science

Elected as President, Agricultural Society of India, Institute of Agricultural Science, Calcutta University, Kolkata.

Member of Executive Council of The Society for the Advancement of Horticulture, B.C.K.V., Kalyani, Nadia, West Bengal (since 1996).

External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.

Member of Editorial Advisory Committee for Journal of Interacademia, Kalyani, West Bengal.

External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.

Reviewer of International Journal HORT. Science.

Snehasish Chakravorty

Life Member of the following professional societies

1. The Society for the Advancement of Horticulture, Mohanpur, W.B..
2. The Indian Society of Vegetable Science, Varanasi, U.P.
3. Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.

4. International Journal of Bio-Resources and Stress Management
 5. The Karnataka Horticultural Society, Arabhavi, Karnataka
- External member, Board of Studies, Faculty of Horticulture, B.C.K.V.

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in BCKV (Mohanpur, Nadia), and OUAT (Bhubaneswar, Odisha).

Goutam Mandal

Life Member of the following professional societies

1. The Horticultural Society of India
2. The Indian Science Congress Association
3. Society for Advancement of Horticulture
4. Indian Society of Arid Horticulture
5. Indian Society of Agricultural Engineers
6. International Journal of Bio-Resources and Stress Management

Acted as paper setter and external/internal examiner of different courses of M.Sc. of horticulture programme of BCKV, Mohanpur, Nadia (WB) and Visva-Bharati, Santiniketan.

Acted as external/internal examiner of thesis M. Sc. Thesis viva-voice in the Bihar Agricultural University, Sabour (Bihar) and BCKV, Mohanpur, Nadia (WB).

Acted as PG- Coordinator at Department of Horticulture, PSB, Visva-Bharati, Sriniketan.

Acted as Teachers Warden, Elmhirst Boys Hostel, Sriniketan; Visva-Bharati.

Joydip Mondal

Life Member of the following professional societies

1. The Horticultural Society of India, New Delhi.
2. The Indian Society of Vegetable Science, Varanasi, U.P.
3. The Society for the Advancement of Horticulture, Mohanpur, W.B.
4. The Orissa Horticultural Society, Bhubaneswar, Odisha.
5. Indian Journal of Hill Farming, Barapani, Meghalaya.
6. Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
7. Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS), Cooch Behar, W.B.
8. Biosciences & Agriculture Advancement Society (BAAS), Meerut, UP.
9. The Karnataka Horticultural Society, Arabhavi, Karnataka.
10. Indian Society of Alliums, ICAR-DOGR, Rajgurunagar, Pune

Performed as Guest Teacher in Department of Horticulture, Institute of Agricultural Sciences, Calcutta University.

Nominated as Editor (Vegetable Science) in Editorial Board (2018) in journal "HortFlora Research Spectrum".

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in OUAT (Chiplima, Sambalpur, Odisha) and Calcutta University (Kolkata, West Bengal).

Act as Reviewer of research papers in the journal "HortFlora Research Spectrum" (Biosciences & Agriculture Advancement Society).

Prahlad Deb

Acting as Post-Graduate Co-ordinator and Laboratory In-charge, Department of Horticulture & Postharvest Technology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

Life Member of the following professional societies:

1. The Horticultural Society of India, New Delhi
2. The Society for Promotion of Horticulture, Bangalore
3. Fruit Science Society of Bangladesh, Mymensingh, Bangladesh
4. Hort Flora Research Spectrum, Meerut, Uttar Pradesh
5. Crop & Weed Science Society, BCKV, Nadia, WB
6. Journal of Bio-resource and Stress Management, Kolkata
7. Society for Bioresource, Environment and Agricultural Research
Founder Member of International Society for Minor Fruits, Medicinal and Aromatic Plants,
Hq.: Sri Lanka

Member, Editorial Board, International Journal of Minor Fruits, Medicinal and Aromatic Plants

Member of International Society for Horticultural Sciences, Belgium

Acted as paper setter and examiner of different courses of horticulture in Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, W.B. and Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, W.B., Orissa University of Agriculture & Technology, Bhubaneswar, Odisha

Reviewer of International Journal of Agriculture Sciences (ISSN 0975-3710) and Journal of Essential Oil Bearing Plants (ISSN 0972 060X)

Publications (Published during April 2017 - March 2018)

Partha Sarathi Munsii

Bhowmick, N.; Ghosh, S. K.; Munsii, P. S.; Deb, P. and Ghosh, A. (2017) Effect of Integrated Management on Flowering and Fruiting Characteristics of Pineapple cv. Mauritius; Journal of Crop and Weed; 13(2): 144-156

Bhowmick, N.; Munsii, P. S.; Ghosh, S. K.; Deb, P. and Ghosh, A. (2017) Growth Behaviour of Pineapple cv. Mauritius Under Integrated Nutrient Management in Northern Part of West Bengal, India; International Journal of Current Microbiology and Applied Sciences; 6(9):2471-2488

Maharana Kaberi, Beura, S. and Munsii P. S. (2017) A Fast Protocol for In vitro Protocol of Banana (*Musa accuminata*) cv. Amritpani; International Journal of Current Microbiology and Applied Sciences; 6(10):586-593

Maharana Kaberi, Munsii P. S. and Beura, S. (2017) Studies on hardening of in vitro plantlets of Banana (*Musa accuminata*) cv. Amritpani; Multilogic in Science; Vol. 8, issue XXIII.

Abraham, Rincy, K.; Munsii, P. S. and Manna D. C. (2018) Effect of Drip Irrigation, Fertigation and Mulching on Growth and Dry matter Accumulation in Bitter Gourd; Journal of Krishi Vigyan; 6(2): 61-67

Abraham, Rincy, K.; Munsu, P. S. and Manna D. C. (2018) Yield Performance and Profitability of Bitter gourd Cultivation as Influenced by Drip Irrigation, Fertigation and Plastic Mulching; International Journal of Current Microbiology and Applied Sciences; 6(10): 635-648

Goutam Mandal

Thokchom Roky and Mandal Goutam. 2017. Production preference and importance of passion fruit (*Passiflora edulis*): A Review. Journal of Agricultural Engineering and Food Technology, 4(1): 27-30 (p-ISSN:2350-0085; e-ISSN 2350-0263).

Book Chapter

Goutam Mandal. 2017. Reduction of post-harvest losses of horticultural produces. In: Dutta, A.K. and Mondol, B. (Eds), Fruits for Livelihood: Technology and Management Practices. Published by Agrobios (India), Jodhpur, India. pp. 291-297, ISBN: 978-81-933644-51.

Priyam Chattopadhyay and Goutam Mandal. 2017. Effect of plant growth regulators on growth, yield and quality of strawberry (*Fragaria ananassa*) - a brief review in 'Human Rights and Social Justice Agricultural Issues and Concern' edited by Bholanath Modal, Adani Lokho and Goutam Mandal published by New Delhi Publishers, ISBN: 978-93-86453-48-8). pp. 57 - 66.

Co-editor of Book:

Compiled and co-edited an abstract book has been published in the National Seminar on 'Human Rights and Social Justice' at Visva-Bharati, Santiniketan, India held at Santiniketan, Visva-Bharati during 13-14th April 2017.

Co-edited Book 'Human Rights And Social Justice Agricultural Issues And Concern' by Bholanath Modal, Adani Lokho and Goutam Mandal published by New Delhi Publishers ISBN: 978-93-86453-48-8

Abstracts

Rocky Thokchom and Goutam Mandal. 2017. Integrated horticultural crop - livestock system: an approach to sustainable mixed farming system: a review. 'The National Seminar on Mixed Farming- A traditional Practice to enhance the Income of a Farmer' held at Santiniketan, Visva- Bharati, during 24-25 March 2018.

Goutam Mandal.2017. Suitability of banana production under global climate change scenario. National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions held at Visva Bharati West Bengal during 13-14th September 2017

Rocky Thokchom and Goutam Mandal.2017. Orchard Protection Strategies through modern technology: A review. National Seminar on Impact of Changing Environment on Plants, Microbes and their Interactions held at Visva Bharati West Bengal during 13-14th September 2017

Rocky Thokchom and Goutam Mandal. 2017. Mangement of Horticultural crop residue. National Seminar on Waste management of local self Government (Municipalities and Panchayats) held at Sriniketan Visva-Bharati during 16-17th March 2018.

Rocky Thokchom and Goutam Mandal. 2017. 'Rejuvenation' A new lease of life for old and declining orchards: A review. National conference on Frontier Areas of Research and applications using

electron microscopy held at Santiniketan Visva-Bharati on March 2018.

Goutam Mandal. 2017. Underutilized fruit crops in West Bengal for environmental sustainability and rural livelihood. National Seminar on 'Human Rights and Social Justice' held at Visva-Bharati, Santiniketan, during 13-14th April 2017.

Goutam Jangid, Goutam Mandal and Rocky Thokchom. 2017. Drip Irrigation an efficient method of irrigation of fruit orchards in arid and semi-arid region National Seminar on 'Human Rights and Social Justice' held at Visva-Bharati, Santiniketan, during 13-14th April 2017.

Khusboo Kumari, Goutam Mandal and Basabdatta Sahu. 2017. Bael: a potential crop in dryland farming. National Seminar on 'Human Rights and Social Justice' held at Visva-Bharati, Santiniketan, during 13-14th April 2017.

Shwet Prabha, Prahlad Deb and Goutam Mandal 2017. Effect of seed treatment on seed germination and seedling growth of horticultural crops: A Review. National Seminar on 'Human Rights and Social Justice' held at Visva-Bharati, Santiniketan, during 13-14th April 2017.

Joydip Mandal

Smaranika Mohanta, Joydip Mandal and Digvijay Singh Dhakre. 2017. Growth of Kharif Onion (*Allium cepa* L.) in Response to Planting Dates and Cultivars. 2017. HortFlora Research Spectrum, 6(4): 262-267. ISSN: 2250-2823

T. K. Behera, Joydip Mandal, S. Mohanta. 2017. Assessment of Growth, Yield and Quality of Onion Genotypes under Red and Laterite Zone of West Bengal. Journal of Pharmacognosy and Phytochemistry, 6(6): 493-497. E-ISSN: 2278-4136, P-ISSN: 2349-8234

Joydip Mandal. 2017. Thupi Jhinge, Satputia ar Sudam Baurir Kotha (In Bengali). Krishi Jagran, 2(9): 52-56.

Ranjan Kumar Singh, Joydip Mandal and Bikash Das. 2018. Study on Present Practices of Chironji Nut (*Buchanania lanzan*) Processing in Chotonagpur Plateau Region. International Journal of Current Microbiology and applied Sciences, 7: 4680-4684. ISSN: 2319-7706

Book Chapter

Joydip Mandal. 2017. Heterosis breeding in vegetable crops for productivity and quality enhancement. In: Amik Institute of Management Sciences and Technology (ed.) Development and Empowerment: Challenges & Prospects, New Delhi Publishers, New Delhi. pp. 29-41. ISBN: 978-93-86453-03-7.

Joydip Mandal. 2017. Hybrid vegetable: a proven tool for productivity enhancement. In: M. Sen (ed.) Food Security & Urbanization Equilibrium: A Sustainable Man-System Approach. Ashadeep, Kolkata. pp. 114-125. ISBN: 978-93-81245-88-0

Smaranika Mohanta and Joydip Mandal. 2017. Riverbed cultivation of cucurbits. In: M. Sen (ed.) Food Security & Urbanization Equilibrium: A Sustainable Man-System Approach. Ashadeep, Kolkata. pp. 199-208. ISBN: 978-93-81245-88-0

Joydip Mandal. 2017. Tinda: a lesser known vegetable for Eastern India. In: P. K. Chattopadhyay and D. S. Kushwaha (eds.) Growth and Diversification in India's Emerging Economy. New Delhi

Publishers, New Delhi. pp. 89-102. ISBN: 978-93-86453-06-8.

Moutusi Dhar, Joydip Mandal and Smaranika Mohanta. 2017. Scope of onion (*Allium cepa* L.) seed production in West Bengal. In: P. K. Chattopadhyay and D. S. Kushwaha (eds.) Issues in Sustainable Development in India: Present Problems and Future Perspective. New Delhi Publishers, New Delhi. pp. 19-28. ISBN: 978-93-86453-44-0.

Abstracts

Joydip Mandal, Dipanwita Saha, R. Ajgalley and S. Mohanta. 2017. Studies on Bulb Quality of Some Onion Genotypes. In: Abstracts, International Symposium on "Chemistry for Human Welfare" organized by Department of Chemistry, University of Gour Banga, Malda on 07th April 2017.

Tapan Das, Joydip Mandal and Smaranika Mohanta. 2017. Study on storage of onion bulbs. In: Abstracts, National Seminar on "Human Right and Social Justice" organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan from 13th - 14th April, 2017.

Joydip Mandal. 2017. Effect of Bulb Weight and Spacing in Seed Production of Onion under Red and Laterite Zone of West Bengal. In: Abstracts, 2nd Regional Science and Technology congress 2017, West Bengal organized by The University of Burdwan, Bardhaman and Dept. of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal from 16th -17th November 2017. P 10.

Joydip Mandal. 2017. Study on Onion (*Allium cepa* L.) under Red and Laterite Zone of West Bengal. In: Book of Abstracts, National Symposium to Commemorate 50th Year of the Agricultural Experimental Farm, University of Calcutta "Towards Climate Smart Agriculture - A Key to Livelihood Security" organized by Institute of Agricultural Science, University of Calcutta, Kolkata from 9th - 11th December, 2017. P 142.

Joydip Mandal. 2018. Riverbed Cultivation of Melon for Livelihood Support and Sustainability. In: Abstracts, International Seminar on "Issues in Sustainable Development in India: Present Problems and Future Perspective" organized by A. K Dasgupta Centre for Planning and Development (A Centre Sponsored by NITI AAYOG, Govt. of India), Visva-Bharati, Santiniketan on 5th January, 2018.

Prahlad Deb (Citation index - 26, h-index - 3)

Research papers

Das, Ratan and Deb, Prahlad; (2017) Insecticidal Resistance of Okra Fruit Borer (*Earias vittella*) and its Management; International Journal of Current Microbiology and Applied Science, 6(6): 2932-2949

Kumari, Sweta; Raghupati, B; Kumari, Sarika and Deb, Prahlad (2017) Effect of Different Preservatives on Vase-Life of Cut Tuberose (*Polyanthes tuberosa* L.) cv. Calcutta Single; International Journal of Current Microbiology and Applied Science;7(1): 1651-1657

Bhowmick, N.; Ghosh, S. K.; Munsu, P. S.; Deb, P. and Ghosh, A. (2017) Effect of Integrated Management on Flowering and Fruiting Characteristics of Pineapple cv. Mauritius; Journal of Crop and Weed; 13(2): 144-156

Bhowmick, N.; Munsu, P. S.; Ghosh, S. K.; Deb, P. and Ghosh, A. (2017) Growth Behaviour of Pineapple cv. Mauritius Under Integrated Nutrient Management in Northern Part of West Bengal, India; *International Journal of Current Microbiology and Applied Sciences*; 6(9):2471-2488

Acharjee, Kaushik; Sarkar, Jayanwita; Deb, Prahlad; Chakraborty, Usha and Sinha Biswajit (2017) Efficacy of N₂O₂ donor Schiff Bases and their Zn⁺ Complexes on Various Morphological and Biochemical Parameters of *Cicer arietinum* L.; *Journal of Plant Nutrition*; DOI:10.1080/01904167.2017.1385810

Shwet Prabha, Kumari, Khushboo and Deb Prahlad (2018) Effect of Fruit Bagging on Physico-Chemical Properties of Pineapple cv. Mauritius; *International Journal of Current Microbiology and Applied Science*; 7:7876-4885

Kumari, Usha and Deb Prahlad (2018) Effect of Foliar Application of Zinc and Boron on the Physical Parameters of Pineapple cv. Mauritius; *International Journal of Current Microbiology and Applied Science*; 7:397-402

Books:

Sharangi, Amit Baran; Datta Suchand and Deb, Prahlad (2018) *Spices: Agrotechniques for Quality Produce*, Apple Academic Press INC, Canada (ISBN:978-1-77188-635-2)

Book chapter:

Das Ratan and Deb Prahlad (2017) Tribes and Genetic Resources of Underexploited Legumes with Special Reference to Eastern India, edited by Bholanath Modal, Adani Lokho and Goutam Mandal published by New Delhi Publishers, ISBN: 978-93-86453-48-8). pp. 67-70.

Abstracts:

Deb, Prahlad and Sneha (2017) Effect of Hot Water Treatment and Drying Methods on Chemical Quality of Wood Apple Pulp Powder, In: Abstract Book of 4th International Symposium on Minor Fruits, Medicinal and Aromatic Plants, organized by ISMF&MAP and College of Horticulture & Forestry, Centarl Agricultural University, Pasighat, Arunachal Pradesh, India, on 5-6 December, 2017

Das, Ratan and Deb, Prahlad (2016) Under exploited legumes -genetic resources and nutritional importance with special reference to eastern India, In: Abstract Book of National Seminar on Human Right and Social Justice organized by Visva-Bharati, West Bengal, India on 13-14 April, 2017

Patel, Deveshwar Prasad, Das, Ratan and Deb, Prahlad, (2017) Effect of fruit bagging on quality and yield of horticultural crops In: Abstract Book of National Seminar on Human Right and Social Justice organized by Visva-Bharati, West Bengal, India on 13-14 April, 2017

Das Ratan and Deb, Prahlad (2017) Effect of silver nanoparticle against Purple Blotch Disease (*Alternaria porri* Ellis Ciferri) on onion In: Proceedings of National Seminar on Nanotechnology for evergreen Revolution, Organized by TNAU; 5-6 October 2017

Das, Ratan; Deb, Prahlad and Choudhury, Rajen (2018) "Mixed Farming" an alternative farming system on climate change scenario, In: Proceedings of National Seminar on Mixed Farming - A Traditional Practice to enhance the income of farmers, Palli Siksha Bhavana, Visva-Bharati,

Sriniketan, 24-25 March, 2018

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The Department of Horticulture & Post-Harvest Technology started functioning from September, 2016. Since its inception, the department offers various courses on Horticulture and Post-Harvest aspects of horticultural crops at U. G. & P.G. level. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in various extension activities. Moreover, they are conducting Ph.D. Coursework Programme and guiding students in research work leading to Ph. D. degree.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

Training

Dr. Joydip Mandal participated in ICAR sponsored 10 days ICAR Sponsored Short Course on "Modern Breeding Strategies for Higher Productivity, Quality and Bio-active Health Compounds in Temperate and Exotic High Value Vegetables" Organized by ICAR-Indian Agricultural Research Institute, Regional Station, Katrain (H.P.) during 04-13 October, 2017.

AGRICULTURAL EXTENSION

Name of the student qualified in UGC/CSIR/NET/SLET and GATE Examinations.

a. Partha Banerjee, Ph.D. Scholar qualified UGC NET 2017.

Departmental Seminar (Speakers, Title of the Seminar, Date)

Training Programme on ArcGIS 1: Introduction to GIS was held on 10-11 April 2017

Only National and International standard Conference/Seminar/Workshop/ Exhibition, etc. attended by Teachers/Research Scholars in details.

1. Prof. Souvik Ghosh made an invited presentation on 'Research in Extension- Yesterday, Today and Tomorrow' as one of the Panellists in National Workshop on Agricultural Extension in India: Time to Change held at National Institute of Agricultural Extension Management (MANAGE), Hyderabad during 14-16 February 2018.
2. Prof. Souvik Ghosh made an invited presentation on 'Advanced Quantitative Techniques for Extension Research: An Overview' as one of the Panellists in First International Congress 2018 on New Horizons of Extension: Challenges and Opportunities held at ICAR-Central Institute of Women in Agriculture (ICAR-CIWA), Bhubaneswar during 1-3 February 2018.
3. Prof. Souvik Ghosh presented an invited talk on 'Participatory Irrigation Management: Some Successful Cases of Participatory Extension' in Centre for Advanced Faculty Training, Division of Agricultural Extension, ICAR-Indian Agricultural Research Institute (ICAR-IARI), New Delhi on 16 January 2018.
4. Prof. Souvik Ghosh presented a paper on 'Resilience of Agriculture to Reducing Vulnerability to Climate Change: Key to Increasing Farmers Income and Farm Production' in ISEE National Seminar on Doubling Farmers' Income and Farm Production through Skill Development and Technology Application organised by Indian Society of Extension Education, New Delhi and Bihar Agricultural University at Sabour during 28-30 November 2017.
5. Prof. Souvik Ghosh presented a paper on 'How Participatory Irrigation Management (PIM) Reform Influence Crop Production Scenario in India: A Spatio-Temporal Panel Data Analysis' in 8th National Seminar on Potential, Prospects and Strategies for Doubling Farmers' Income: Multi-Stakeholder Convergence organised by Society for Community Mobilization for Sustainable Development, New Delhi in Collaboration with Assam Agricultural University and ICAR-ATARI, Guwahati at Guwahati during 9-11 November 2017.
6. Dr. Anindita Saha presented paper on Indigenous Knowledge in Farming System in National Seminar on Mixed Farming- A Traditional Practice to Enhance the Income of Farmers on March 24-25th ,2018, organized by Department of Animal Science, PSB, Visva-Bharati in association with the Society of Bio-Resource, Environment and Agricultural Research(SBEAR), Santiniketan, W.B. India
7. Dr. Anindita Saha participated and successfully completed UGC Sponsored Refresher Course on Disaster Management and Environment from 23.10.17 to 13.11.17 organised by HRDC, Jadavpur University, Kolkata

5. Ongoing Research Projects in the Department

I. Name of the Teacher

II. Name of the Project

III. Sponsoring Agencies

IV. Amount Sanctioned

Name of the faculty/ PI	Title of the Project	Sponsoring Agency	Amount (Rs.)
Prof. Souvik Ghosh	Socio-Economic, Institutional and Gender Issues Influencing Spatiotemporal Variations and Sustainability of Participatory Irrigation Management Reforms in India (under Lal Bahadur Shastri Outstanding Young Scientist Award 2011 of ICAR) (duration 2015-2018)	ICAR-Agricultural Education Division, New Delhi	Rs. 35 lakh
Dr. S.D. Mukhopadhyay	Intensive Sugarcane Development Programme (duration 1989-till date, on yearly sanction basis)	Govt. of West Bengal	

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department

Department of Agricultural Extension has organized the demonstrations on summer season vegetables farming and rabi season vegetables farming in the Demonstration Unit, which were witnessed by the students and farmers. Filed level demonstrations on cultivation of pulses and oilseeds were organised during rabi season covering about 120 famers and 21hectare area in 17 villages of Bolpur-Sriniketan and Illambazar blocks of West Bengal. Under these demonstrations seeds of high yielding varieties of lentil (var. Ranjan), gram (var. Mahamaya) and mustard (var. B-9) were given to the farmers to grow the crops in the areas under rice-based cropping systems, where the farmers obtained an average yield of 0.75 t/ha, 0.85 t/ha and 0.95 t/ha in case of lentil, gram and mustard, respectively.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Prof. Souvik Ghosh was conferred with Dr. K.N. Singh Memorial Award in recognition of excellence achieved in extension research during ISEE National Seminar on Doubling Farmers' Income and Farm Production through Skill Development and Technology Application organised by Indian Society of Extension Education, New Delhi and Bihar Agricultural University at Sabour during 28-30 November 2017.

Presidential Appreciation Award 2017 of Society for Community Mobilization for Sustainable Development, ICAR-IARI, New Delhi was conferred to Prof. Souvik Ghosh during 8th National

Seminar on Potential, Prospects and Strategies for Doubling Farmers' Income: Multi-Stakeholder Convergence organised by Society for Community Mobilization for Sustainable Development, New Delhi in Collaboration with Assam Agricultural University and ICAR-ATARI, Guwahati at Guwahati during 9-11 November 2017.

Best Paper Presentation Award in 8th National Seminar on Potential, Prospects and Strategies for Doubling Farmers' Income: Multi-Stakeholder Convergence organised by Society for Community Mobilization for Sustainable Development, New Delhi in Collaboration with Assam Agricultural University and ICAR-ATARI, Guwahati at Guwahati during 9-11 November 2017 was given to Prof. Souvik Ghosh for the paper on "How Participatory Irrigation Management (PIM) Reform Influence Crop Production Scenario in India: A Spatio-Temporal Panel Data Analysis" authored by S. Ghosh, S. Gorain, K.C. Mahato, U. Das and B. Mondal.

Best Poster Award in 8th National Seminar on Potential, Prospects and Strategies for Doubling Farmers' Income: Multi-Stakeholder Convergence organised by Society for Community Mobilization for Sustainable Development, New Delhi in Collaboration with Assam Agricultural University and ICAR-ATARI, Guwahati at Guwahati during 9-11 November 2017 was given to Smriti Subba for the paper on "Prospects of Large Cardamom (*Amomum Subulatum*) Crop Cultivation for Improving Income of Farmers in Sikkim" authored by Smriti Subba and Souvik Ghosh.

Best Paper Presentation Award in National Seminar on Doubling Farmers' Income and Farm Production through Skill Development and Technology Application organised by Indian Society of Extension Education, New Delhi and Bihar Agricultural University at Sabour during 28-30 November 2017 was given to Prof. Souvik Ghosh for the paper on "Resilience of Agriculture to Reducing Vulnerability to Climate Change: Key to Increasing Farmers Income and Farm Production" authored by S. Ghosh, K.C. Mahato, S. Gorain, U. Das and B. Mondal.

Prof. Souvik Ghosh acted as Chairman of a Session held on 29 January 2018 in National Seminar cum Panel Discussion on Doubling Farmers' Income: Role of Agricultural Mechanization held at Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum, West Bengal.

Prof. Souvik Ghosh acted as moderator of a session in First International Congress 2018 on New Horizons of Extension: Challenges and Opportunities held at ICAR-Central Institute of Women in Agriculture (ICAR-CIWA), Bhubaneswar during 1-3 February 2018.

Prof. Sarthak Chowdhury acted as External Member of the Board of Studies, School of Agriculture, SEACOM Skills University

Publications within the year April 2017 - March 2018

i) Text books ii) Other books iii) Monographs iv) Research Papers (Author(s), title of Paper, year of journal volume No., Pages) v) Number of paper published in Peer/reviewed journals:

National/International

i) Text Books

1. Chowdhury, Sarthak., and Ray, Prabuddha (2017). Training the Rural Youths, New Delhi Publishers, ISBN No: 978-93-85503-81-8
2. Panda, Chandan Kumar and Chowdhury, Sarthak (2017). Job Satisfaction and Motivation,

SSDN Publishers, New Delhi, ISBN No: 978-93-8357-606-7

ii) Other Books

iii) Monographs

iv) Research Papers

1. Ali Golam Torab and Ghosh, Souvik. (2017). Surface and groundwater irrigation systems' performance as perceived by the farmers in West Bengal. *Journal of Community Mobilization and Sustainable Development*. 12(2):277-285.
2. Awatade, S.C., Saha, A. and Dhakre D.S. (2018), Sociological Status of Onion growing Farmers in Akola District of Maharashtra, India, *International Journal of Current Microbiology and Applied Sciences*, 7(2):6-12pp, ISSN: 2319-7706.
3. Awatade, S.C., Saha, A., Ghosh, Souvik and Singandhupe, R.B. (2018) Agricultural Information Sources used by Onion farmers in Akola District of Maharashtra, India, *International Journal of Current Microbiology and Applied Sciences*, 7(2):1-5pp, ISSN: 2319-7706.
4. Awatade, Sudarshan Chandrakant, Ghosh, Souvik and Singandhupe, R.B. (2017). Agricultural information needs and their fulfilment as perceived by the farmers in changing agricultural scenario in Maharashtra. *Indian Journal of Extension Education*, 53(2): 11-17.
5. Besra, M., Ghosh, Souvik and Gorain, S. (2018). Cropping and irrigation dynamics under different groundwater market regimes in West Bengal. *Journal of Community Mobilization and Sustainable Development*, 13 (1): 27-35.
6. Ghosh, Souvik, Gorain, S. and Mondal, B. (2017). Spatio-temporal variations and links between irrigation and agricultural development in an eastern Indian state. *Irrigation and Drainage (Wiley)*, 66: 784-796
7. Ghosh, Souvik, Mahato, K., Gorain, S., Das, U. and Mondal, B. (2017). Resilience of agriculture reducing vulnerability to climate change in West Bengal. *Current Advances in Agricultural Sciences*, 9 (2): 170-177.
8. Ghoshal, R., Saha, A. and Basu, D. (2017), Social Impact of System of Rice Intensification (SRI) in North 24 Parganas District of West Bengal, *Journal of Interacademia*, 21(3):282-286pp, ISSN: 0971-9016
9. Haobijam, J.W. and Ghosh, Souvik. (2017). Integrated pig-fish farming: a case study in Imphal West district of Manipur. *The Pharma Innovation Journal*, 7 (1): 495-499.
10. Karan, Aditya and Ghosh, Souvik. (2017). Agriculture related information needs and their fulfilment as perceived by the farmers in Bihar. *Indian Journal of Extension Education*, 53(3): 8-15.
11. Khoisnam, N and Mukhopadhyay, S.D. (2018). Study of knowledge, skill and extent of participation of Self Help Group members in managing SHGs and income generating activities. *International Journal of Microbiology and Applied Sciences*, ISSN: 2319-7706; Vol. 7. No. 01.
12. Kisku, Deb Kumar and Ghosh, Souvik. (2017). Crop diversity and farmers' livelihood in an agriculturally prosperous district of West Bengal. *Indian Journal of Extension Education*, 53(1): 15-20.

13. Mondal, Debabrata., Chowdhury, Sarthak., and Basu, Debabrata (2018). Role of Panchayats in Disaster: A New Vista for Disaster Management, International Journal of Current Microbiology and Applied Sciences, ISSN: 2319-7706 Special Issue-7 pp. 133-138. NAAS Rating 5.38
14. Nanda, P. and Ghosh, Souvik. (2017). Adaptation strategies under climate induced natural disasters in coastal areas of Odisha. Journal of Indian Society of Coastal Agricultural Research, 35(1): 82-89.
15. Nayak, A.K., Nanda, P., Srivastava, R.C., Das, M., Ghosh, S., Kumar, A. Ambast, S.K., Patil, R.G, Khodke, U.M. and Yadav, B.S. (2017). Application of ICT in development of agriculture water management portal. Journal of Indian Society of Coastal Agricultural Research, 35(1): 96-98.
16. Reang, K., Saha, A, Basu, D. and Dash, S.R. (2017), Constraints Faced by the Stakeholders in Implementing Forest Right Act: A Study in Dhalai District of Tripura, Trends in Biosciences 10(35): 7479-7481pp, ISSN:0974-8431
17. Saha, A. (2017), An Analysis of Dairy Knowledge Information System, Journal of Interacademia, 21(2):184-189pp, ISSN: 0971-9016
18. Singh, S.S. and Saha, A. (2017). Documentation of Indigenous Knowledge in Farming System, International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS), 3(2):548-553pp, ISSN: 2454-3551
19. Tripura, Binoy and Ghosh, Souvik. (2017). Adoption constraints in use of true potato seeds (TPS) as planting materials in Tripura. International Journal of Research in Applied, Natural and Social Sciences. 5 (6): 95-100.

v) Number of paper published in Peer/reviewed journals: National/International

National: 12 and International: 06 (01 in Foreign Journal)

Designing New Course/Curriculum or any other teaching innovations introduced the Department

Following two Elective Courses were designed for the UG level students that would be introduced from academic session 2017-18:

- a. AEX 312: Communication and Information Management (2+1=3 Credits)
- b. AEX 321: Emerging Trends in Agricultural Extension (2+1=3 Credits)

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

Department of Agricultural Extension has been created with reference to the Office Order Memo No.: Estab./E-I/AOH&IC/2016-17, dated 30.09.2016. Consequent upon the creation of nine new Departments from erstwhile four Departments of Palli Siksha Bhavana (Institute of Agriculture) in Visva-Bharati, the Department of Agricultural Extension has been created as one of two new Departments from the erstwhile Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES).

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The Department of Agricultural Extension offers eight courses for Under Graduate programme of the Bhavana and Coordinates Rural Awareness and Work Experience (RAWEX) programme. It conducts two-years M. Sc. (Ag.) in Agricultural Extension programme and Ph.D. in Agricultural Extension programme. The Department has made significant accomplishments in teaching, research and extension fronts that are evident from the students' success in ICAR-JRF, ICAR-SRF, ICAR-NET and UGC-NET examinations, implementation of two externally funded research projects and coordination of rural awareness work experience programme as well as field demonstrations on vegetables, pulses and oilseeds crops, respectively. This department has developed two new elective courses i.e. Communication and Information Management (2+1=3 Credits) and Emerging Trends in Agricultural Extension (2+1= 3 Credits). The Department conducts field level demonstration programmes and train the students and farmers every year.

AGRICULTURAL ECONOMICS & AGRICULTURAL STATISTICS

Department of Agricultural Economics & Agricultural Statistics is one of the nine departments of the Institute of Agriculture (PSB). This Department has been functioning since 30th September 2016, under Visva-Bharati. Department of Agricultural Economics & Agricultural Statistics is located at Palli-Siksha Bhavana (PSB), Sriniketan. The department is offering various courses of Agricultural Economics and Agricultural Statistics at UG, PG and Ph D. levels. The main aim of this department is to promote and conduct different teaching, research and outreach programmes. Specifically, mention may be made of the following highlighted objectives:

To teach the courses on Agricultural Economics, Statistics & Computer application at UG, PG and Ph.D. level.

To pursue research work in the areas of Agricultural Economics & Agricultural Statistics and other related areas.

To collect data from different experiments and sources for analyzing needful results and to provide that to other allied departments.

To make facilities available for analysing big data using computing techniques and statistical tools.

To develop some computer programs for statistical techniques and tools for which software's are not directly available.

To provided advisory and consultancy services to different streams of Agricultural Sciences & Rural development and to other departments across the campus and different states of the country.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: Nil

Departmental Seminar

Speakers	Title of the seminar	Date
Prof. Jay Drydyk,	Carlton University Canada Global Ethics : Domination of the Global North	25/02/2018

Only National and International standard conference/Seminar/workshop/ Exhibition etc. attended by Teachers/Research scholars in details.

Debasis Bhattacharya

1. National Seminar on Doubling Farmers' Income: Role of Agricultural Mechanization, 29th January 2018 organized by Department of Agricultural Engineering, Institute of Agriculture, PSB, Visva-Bharati.
2. National workshop on Research Methodology using Statistical Tools, Techniques and Packages March 16-22, 2018 organized by Department of Agricultural Economics & Statistics, Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati

Debashis Sarkar

1. Participation as Resource Person at UGC Sponsored National Seminar on Women's Economics

Empowerment and Inclusive Growth, held at Kazi Nazrul Islam Mahavidyalaya, Churulia, Kazi Nazrul University, Paschim Barddhaman on 7-8 March, 2017.

2. Participation as Resource Person at threeday National Seminar cum Training Programme on Research Methodology in Social Sciences and Humanities, held at Women's Collge, North Eastern Hill University, Shillong, Megahlaya on 5-7 July, 2017

Digvijay Singh Dhakre

1. International Conference on Bio-Resource, Environment and Agricultural Sciences (ICBEAS), February 4-6, 2017 organized by Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati and Society of Bio-Resource, Environment and Agricultural Research (SBEAR), Santiniketan.
2. National Seminar on Doubling Farmers' Income: Role of Agricultural Mechanization, 29th January 2018 organized by Department of Agricultural Engineering, Institute of Agriculture, PSB, Visva-Bharati.
3. International Conference on Specialised, Ayurvedic & Innovative Foods & Nutrition, 16th-17th February, 2018 organized by Sri Sathya Sai Institute of Higher Learning, Anantpur, A.P.,India.
4. National Seminar on Water and Soil Management Approaches for climate smart agriculture, 23-24 March, 2018organized by Department of Soil Science & Agricultural Chemistry,Institute of Agricultural Sciences, Banaras Hindu University, Varanasi.
5. National Seminar on Mixed Farming- A Traditional Practice to Enhance the Income of Farmers, March 24-25, 2018 organized by Department of Animal Science, Institute of Agriculture, PSB, Visva-Bharati with the Society of Bio-Resource, Environment and Agricultural Research(SBEAR), Santiniketan
6. National Workshop on Research Methodology using Statistical Tools, Techniques and Packages March 16-22, 2018 organized by Department of Agricultural Economics & Statistics, Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati

Bitan Mondal

1. National workshop on Research Methodology using Statistical Tools, Techniques and Packages March 16-22, 2018 organized by Department of Agricultural Economics & Statistics, Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati

Kader Ali Sarkar

1. International Conference on Bio-Resource, Environment and Agricultural Sciences (ICBEAS), February 4-6, 2017 organized by Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati and Society of Bio-Resource, Environment and Agricultural Research (SBEAR), Santiniketan.
2. National Seminar on Doubling Farmers' Income: Role of Agricultural Mechanization, 29th January 2018 organized by Department of Agricultural Engineering, Institute of Agriculture, PSB, Visva-Bharati.
3. National Workshop on Research Methodology using Statistical Tools, Techniques and Packages March 16-22, 2018 organized by Department of Agricultural Economics & Statistics, Palli-Siksha Bhavana (Institute of Agriculture) Visva-Bharati.

Ongoing Research Projects in the Department -Nil

Extension activities /NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department

1. Seven-day National Workshop on Research Methodology using Statistical Tools, Techniques and Packages March 16-22, 2018

Academic distinction gained by Teachers/Scholars

Debasis Bhattacharya

1. "Best Paper Award" in National Seminar on Doubling Farmers' Income: Role of Agricultural Mechanization, 29th January 2018 organized by Department of Agricultural Engineering, Institute of Agriculture, PSB, Visva-Bharati.
2. Membership of Learned Society:
The American Statistical Association
The Institute of Mathematical Statistics, USA
Indian Statistical Institute
Calcutta Statistical Association
Indian Science Congress Association
Indian Association for Productivity, Quality and Reliability.
3. Editorial Responsibility:
Editor of the Journal "Stochastic Modelling and Applications", ISSN: 0972-3641
Managing Editor of "International Journal of Statistics and Management System", ISSN:0973-7359
Editorial Board Member of the Journal of the Indian Society for Probability and Statistics ISSN: 2277-9620
Editorial Board Members of Journal: Palli Charcha, The Indian Journal of Rural Studies, ISSN:2350-1227
4. **Peer reviewer of international journals:**
Journal of Inequality and applications, Statistics and Probability Letters
Journal of Statistical Planning and Inference, Journal of Multivariate Analysis
Communication in Statistics; Theory and Methods, Naval Research Logistics
Journal of Applied Statistic and Methods, Model Assisted Statistics and Applications

Digvijay Singh Dhakre

5. "Best Paper Award" in National Seminar on Doubling Farmers' Income: Role of Agricultural Mechanization, 29th January 2018 organized by Department of Agricultural Engineering, Institute of Agriculture, PSB, Visva-Bharati.
6. "Best Paper Award" in International Conference on Specialised, Ayurvedic & Innovative Foods & Nutrition, 16th-17th February, 2018 organized by Sri Sathya Sai Institute of Higher Learning, Anantpur, A.P.,India.

Bitan Mondal

1. "Best Paper Award" in the 8th National Seminar on "Potential, Prospects and Strategies for

Doubling Farmers' Income: Multi-stakeholder Convergence" of Society for Community Mobilization for Sustainable Development (MOBILIZATION)", New Delhi at College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati on November 9-11,2017.

Publication within the year April 2017-March 2018

- (i) Text Books- 02
- (ii) Other Books - Nil
- (iii) Monographs- Nil

Debasis Bhattacharya

Books

1. Probability and Statistical Inference: Theory and Practice, 3rd edition 2017, U.N. Dhur & Sons Pvt. Ltd., 797 pages, (ISBN 978- 93-80673-91-2)
2. Statistics: Theory and Practice, Reprinted in 2017, 3rd edition 2010, U.N. Dhur & Sons Pvt. Ltd., 564 pages (ISBN 978-93-80673-02-8)

Research Papers / Articles

1. "Limiting Experiments and Asymptotic Bounds on Performance of Sequence of Estimators" in From Statistics to Mathematical Finance, Festschrift in Honour of Winfried Stute, Editors: D. Ferger, W.G. Manteiga T. Schmidt and J.L. Wang, Chapter 16, 317-342, Springer publications (2017), ISBN 978-3-319-50985-3
2. "Uncovering Data for Decision Making with Critical Statistical Analysis" in Statistical Tools and Analysis in Human Resources Management, Editor: D. K. Bhattacharyya, Chapter 3, 38-53, IGI Global (2017) ISBN 978-1-522-54947-5
3. "Analysis of Growth and Instability in pulse production of Odisha during Rabi season: A Statistical Modelling approach", international Journal of Current Microbiology and Applied Sciences, 2017, 6 (8), pp. 107-115.
4. "Fitting of appropriate statistical model for study of growth and instability in cereal production of Odisha", Journal of Pharmacognosy and Phytochemistry, 2017, 6(5): 2495-2499.
5. "Fitting of appropriate model to study growth rate and instability of mango production in India", Agricultural Science Digest, 2017, 37(3): 191-196.
6. "Study of Growth and Instability in Food Grain Production of Odisha: A Statistical Modelling Approach", Environment and Ecology, 2017, 35 (4D): 3341-3351.
7. "Analysis of Growth and Instability in Rice Production of Odisha by Fitting Appropriate Statistical Models", International Journal of Current Microbiology and Applied Sciences, 2017, 6(10): 3313-3322.

Debashis Sarkar

Research Papers / Articles

1. "Production Economics of Strawberry in Harayana, India", Economics Affairs, 2017, 62(4).
2. "Impact of Roads on Income and Consumption of Rural Households in West Bengal", Economics Affairs,2017,62(3).
3. "Growth and Development of Horticulture and its Impact on Livelihood: A Case Study of Sikkim, In Fruits for Livelihood: Production Technology and Management Practices", Agrobios 2017.

4. "Non-economics Indirect Benefits of Road on rural Households in West Bengal", Economics Affairs, 2018, 63(1).
5. "Facet of food Security under NREGA in Sikkim", Economics Affairs, 2018, 63(1).

Digvijay Singh Dhakre

Research Papers / Articles

1. "Analysis of Growth and Instability in pulse production of Odisha during Rabi season: A Statistical Modelling approach", international Journal of Current Microbiology and Applied Sciences, 2017, 6 (8), pp. 107-115.
2. "Fitting of appropriate statistical model for study of growth and instability in cereal production of Odisha", Journal of Pharmacognosy and Phytochemistry, 2017, 6(5): 2495-2499.
3. "Fitting of appropriate model to study growth rate and instability of mango production in India", Agricultural Science Digest, 2017, 37(3): 191-196.
4. "Study of Growth and Instability in Food Grain Production of Odisha: A Statistical Modelling Approach", Environment and Ecology, 2017, 35 (4D): 3341-3351.
5. "Growth of Kharif Onion (*Allium cepa* L.) in Response to Planting Dates and Cultivars", HortFlora Research Spectrum, 2017, Vol 6(4): 262-267.
6. "Analysis of Growth and Instability in Rice Production of Odisha by Fitting Appropriate Statistical Models", International Journal of Current Microbiology and Applied Sciences, 2017, 6(10): 3313-3322.
7. "Sociological status of paddy growers farmers in Bankura district of West Bengal", The Pharma Innovation Journal, 2018, 7(1) 2018:5-9.
8. "Forecasting of green chilli prices in West Bengal by holt-winters method using expert system" International Research Journal of Agricultural Economics and Statistics, 2018, 9(1): 207-211.
9. "Sociological Status of Onion Growing Farmers in Akola District of Maharashtra, India", International Journal of Current Microbiology and Applied Sciences, 2018, 7(2): 6-12.

Bitan Mondal

Research Papers / Articles

1. "SPATIO-Temporal Variations and Links between Irrigation and Agricultural Development in an Eastern Indian Satate", Irrigation and Drawing, 2018, 66(5), 784-796.
2. "Resilience of Agricultural Reducing Vulnerability to climate in West Bengal", Current Advances in Agricultural Sciences, 2018, 9(2), 170-177.

Number of paper published in Peer/reviewed journals

National - 15

International -8

Designing New Course/ Curriculum or any other teaching innovations introduced by the Department -

Considering the need of analysing data not satisfying the assumption of normality in many real life situations a Course on Non-Parametric Statistical Techniques with 3+0 credits has been introduced at post graduate level.

A brief history on the development of the Bhavana concerned with an indication of the future plans for development.

The department is contemplating to organise a 10-day National Workshop on research methodology and data analysis using different statistical softwares

The department is planning to initiate Post graduate courses on Agri-Business Management (self-finance) and Data science.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The department is trying to maintain its record of high performance in terms of teaching, research and outreach programmes as it was performing before. The department has organized seven-day National workshop. The severe constraints of space, infrastructure and non-teaching man power are being felt on the way of general development of the department in all respect. The department is glad to report that Dr. Digvijay Singh Dhakre and Dr. Kader Ali Sarkar, Assistant professor, have done Orientation Programme from the UGC HRDC Burdwan as a part of the faculty development programme.

DEPARTMENT OF PLANT PROTECTION

Palli Siksha Bhavana (Institute of Agriculture)

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:- 02 (ICAR-NET)

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

Dr. Mohan Kumar Biswas

National:

M.K. Biswas (2018) Benefit/cost analyses of oyster mushroom production in lateritic belt of West Bengal. Abstract: In "One day National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" Organized by Department of Agricultural Engineering, PSB, Visva-Bharati, Sriniketan, West Bengal from 29-30th January 2018, pp-79

M.K. Biswas (2018) Screening of brinjal genotypes for their resistance against fungal and bacterial wilt and integrated management of the disease. Abstract : In "National Seminar on Mixed Farming -A Traditional Practiceto Enhance The Income of Farmers" Organised The Department of Animal Science, PSB. (Institute of Agriculture), Visva-Bharati, Sriniketan- 731236 in Association With The Society of Bio-resource, Environment And Agricultural Research (SBEAR) from 24-25th March,2018, PP-47

Tania Nuri and Mohan Kumar Biswas (2018) Effect of different Trichoderma spp. against the growth of Fusarium oxysporumf. Sp. ciceri. In vitro. Abstract : In "National Seminar on Mixed Farming -A Traditional Practiceto Enhance The Income of Farmers" Organised The Department of Animal Science, PSB. (Institute of Agriculture), Visva-Bharati, Sriniketan- 731236 in Association With The Society of Bio-resource, Environment And Agricultural Research (SBEAR) from 24-25th March,2018, PP-31

M.K. Biswas (2017) Exploring the methods for higher bioconversion of agricultural wastes through Pleurotus cultivation and enrichment of SMS. Abstract: In: National Symposium and IPS (EZ) meet on "Challenges and Perspective in Plant Health Management under Climate Change Scenario" Organized by Department of Plant Pathology,BCKV, Mohanpur, at FACC, Lake Hall, BCKV, Kalyani, Nadia, West Bengal - 741235 on 23rd and 24th November, 2017.pp-69

Dr. Bholanath Mondal

National Seminar / Symposium / Workshop

Attend and presented paper in the National Seminar on 'Growth & Diversification in India's Emerging Economy' held on 7 - 8 January, 2017, Organised by the A.K. Dasgupta Centre for Planning and Development, Visva-Bharati.

Attend and presented paper in the National Seminar on 'Human Right and Social Justice' held at Lipika on 13-14 April, 2017, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Visva-Bharati, Santiniketan.

Attend and presented paper in "One day National Seminar Cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization" Organized by Department of Agricultural Engineering, PSB, Visva-Bharati, Sriniketan, West Bengal from 29-30th January 2018, pp-79

Attend and presented paper in the National Seminar on 'Mixed Farming - A Traditional Practice to enhance the income of Farmers' held at Visva-Bharati on 24-25 March, 2018, Organized by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with the Society of Bio-Resource, Environment and Agricultural Research, Santiniketan.

Attend and presented paper in the National Seminar on 'Waste Management of Local Government (Municipalities and Panchayats)' held at Visva-Bharati on 16-17 March, 2018, Organized jointly by Palli-Samgathana Vibhaga, Visva-Bharati and Institution of Public Health Engineers, India.

Attend and presented paper in the National Seminar on 'Dr. B. R. Ambedkar and Social Engineering' held at Lipika, Visva-Bharati on 13-14 April, 2018, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Visva-Bharati, Santiniketan.

State Level Seminar / Symposium / Workshop / Conference

Attend and presented paper in the 24th West Bengal State Science and Technology Congress - 2017 held on 28 February - 1 March, 2017, Organised by Department of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal.

International Seminar / Symposium / Conference

Attend and presented paper in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Dr. Swarnali Bhattacharaya

- 1) Participated and presented paper (oral) in the National Symposium on Towards Climate Smart Agriculture - A Key to Livelihood Security organized by Institute of Agricultural Sciences, University of Calcutta in collaboration with Alumni Association, Institute of Agricultural Science, University of Calcutta held from 9th - 11th December, 2017 on the topic " Effect of Pymetrozine 50% WP against Brown Plant Hopper of Paddy".
- 2) Participated and presented paper (oral) in the 1st Farm Innovation Congress 2018 and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" jointly organized by Innovative Farming, Society for Advancement of Agricultural Innovations (SAAI) and AICRP on Soil test crop response correlation, BCKV, Mohanpur held from 12th -13th January, 2018 on the topic "Effect of Jasmonic acid as inducers of resistance in Tomato against Spodopteralitura infestation".
- 3) Participated and presented paper (oral) in the National Seminar on Mixed Farming - A Traditional Practice to Enhance the Income of Farmers (Giving emphasis more on Livestock Keeping) organized by the Department of Animal Science , PSB, Visva-Bharati and the Society of Bio-resource, Environment and Agricultural Research (SBEAR), Santiniketan held from 24th-25th, 2018 on the topic "Seasonality and Influence of weather factors on the incidence of sucking

insect-pests of Bell-pepper (*Capsicum annum var grossum* Sendt.)".

Ongoing research projects in the Department

Prof. Hirak Chatterjee

Technical Officer of a project entitled:

- i) Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi and
- ii) Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Dr. Ranjan Nath

As Principal Investigator:

Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-efficacy of some fungicides on Different crops . Funded by Willowood Chemicals Private Ltd., New Delhi

Evaluation of bio-efficacy of Dimethomorph 50 WP against diseases Potato. Funded by Coromandel International Limited. Secunderabad.

As Co-Principal Investigator:

Bio-efficacy and Residue Studies of Some Modern Insecticides, Funded by Willowood Chemicals Private Ltd., New Delhi

Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Evaluation of Bio-efficacy, phytotoxicity and residue of WCPL 15 WDG against Phalaris minor (Canary grass). Funded by Willowood Chemicals Private Ltd., New Delhi

Bio-efficacy and Phytotoxicity studies of some new insecticide molecules for registration purpose. Funded by Willowood Chemicals Private Ltd., New Delhi

Dr. Palash Mondal

Evaluation of insecticides and fungicides against some insect pests and diseases along with their phytotoxicity on different crops; Crystal Crop Protection Pvt. Ltd.

Evaluation of insecticides and other pesticides on major pests and diseases of different crops in red lateritic zone of West Bengal; PI Industries Ltd.

Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario; Bayer Crop Science Ltd.

Bio-efficacy of pesticides against pest and diseases in different crops . Coromandel International Ltd., Coromandel House, 1-2-10, Sardar Patel Road, Secunderabad-500 003, Telangana, India

Dr. M. K. Biswas

Associated with the Project "Bio-efficacy study of different agrochemicals in field crops" and act as a Principal Investigator sponsored by Swarup Chemicals Private Limited, IIIrd floor, Kiran Mansion, 4834/24, Ansari road Daryaganj, New Delhi, 110002, funding amount Rs.4.5 lakh.

Associated and act as a Principal Investigator with the Project "Bio-efficacy study of different agrochemicals in field crops" funded by M/S India Pesticides Limited, IIIrd floor, Kiran Mansion, 4834/24, Ansari road Daryaganj, New Delhi, 110002, funding amount Rs.7.2 lakh

Associated and act as a Principal Investigator with the Project "Bio-efficacy of pesticides against pest and diseases in different crops" Coromandel International Ltd. Coromandel House, 1-2-10, Sarder Patel Road, Secunderabad-500 003, Telangana, India, funding amount Rs.1.50 lakh.

Dr. Bholanath Mondal**As Principal Investigator:**

Bio-efficacy evaluation of Tebuconazole 25.9% EC against Tikka and Rust and its phytotoxicity. Funding agency: Coromondal Agrico

Bio-efficacy evaluation of PII 405 15% EC against Powdery Mildew and Downy Mildew of Cucumber. Funding agency: PI Industries Ltd.

Bio-efficacy evaluation of some fungicides for plant disease management. Funding agency: Bayer CropScience Ltd.

Dr. Swarnali Bhattacharya

- 1) Acting as Co - Principal Investigator for the project entitled "Enhancing Pulses Production for Food and Nutritional Security, Improved Livelihoods and sustainable agriculture in West Bengal" sponsored by GoWB-ICARDA Program, New Delhi.
- 2) Acting as the Principal Investigator for the project entitled "Evaluation of Bio-efficacy, Phytotoxicity and Residual effect of COI - 302 WG on Paddy crop" sponsored by Coromandel International Pvt. Ltd., Secunderabad.
- 3) Acting as the Principal Investigator for the project entitled "Evaluation of Bio-efficacy, Phytotoxicity and Residual field trials of Benfuracarb 3% GR against insect-pests of paddy and COI - 309 against mite and sucking pests of chilli" sponsored by Coromandel International Pvt. Ltd., Secunderabad.
- 4) Acting as the Principal Investigator for the project entitled "Bio-efficacy, Phyto-toxicity and residue field trials of some newer chemicals against important insect-pests infesting paddy, tea, cotton and brinjal crop" sponsored by Willowood Chemicals Pvt. Ltd., New Delhi.
6. Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

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. 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 .

One day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

Prof. Hirak Chatterjee

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketa

Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan

Dr. Ranjan Nath

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketan

Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan

Resource person in Training cum Field Day at Paduma village, Block-Dubrajpur, during Field visit and monitoring of WB-ICARDA-VISVA-BHARATI collaborative project on 13.03.2018

Dr. Mohan Kumar Biswas

Acted as an Expert in the Doordarshan Santiniketan Telecast programme "KRISHI BARTA " and discussed on the topic on Paddy straw mushroom cultivation on 11.05.2017.

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI " and delivered lecture on Paddy straw mushroom cultivation on 23.06.2017.

Dr. Bholanath Mondal

Participated in different Live-phone-in & recording programmes of Prasarbharati [All India Radio (Kishan Bani) & Doordarshan (Krishi Darshan)] as an expert and delivered lecture on different topics of agriculture and allied aspects. Also acted as resource person for the deliberation of a talk on Ambedkar and Indian Constitution in Doordarshan.

Acted as expert in different training and meeting related to agriculture and environment awareness arrange by Department of Agriculture (GoWB), NGOs or Farmers' Club.

Voluntarily associated with "ST Specific Bio-technology programme" (funded by Bose Institute, Kolkata) conducted by different NGOs in Birbhum district, North and South 24 parganas district.

Voluntarily associated with "DRR and Livelihood project" (funded by FADV, Italy) conducted by ACID in North 24 parganas district.

Dr. Swarnali Bhattacharya

Participated as an expert in Live Phone In Programme at AkashBani, Santiniketan and delivered lecture on the topic "Cultivation of Mustard" in September, 2017 and January, 2018.

Participated as an expert in Television show "KrishiDarshan" at Doordarshan, Santiniketan and delivered lecture on the topic "IPM in Boro paddy" in September, 2017

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)

Prof. Hirak Chatterjee

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 1st March 2017.

Acting as NODAL Officer, PSB, Visva-Bharati for the Project NISAGENET, ICAR, New Delhi.

Acting as Councillor of the Journal of Plant Protection and Environment . OUAT, Orrissa, Bhubaneswar since 2007.

Acting as referee of the Journals in 'Insect Science' PAU, Ludhiana.

Acting as referee of the Journals 'Oryza' and AZRA Society, CRRI, Cuttack

Acting as referee of the Journals in Agricultural Research Communication, Gourav Society, Hissar.

Acting as referee of the Journal of Plant Protection and Environment. OUAT, Orrissa, Bhubaneswar

Acting as paper setter, thesis evaluator and external examiner in CAU, OUAT, UBKV and BCKV and AAU, Jorhat

Dr. Ranjan Nath

Paper setter and external examiner of Uttra Banga Krishi Viswavidyalay, Cooch Behar W.B.

Paper setter and external examiner of Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

Paper setter of Tripura University, Agartala, Tripura

Paper setter of OUAT, Bhubaneswar, Odissa

External Member BOS of the Department of Plant Pathology, Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

Life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology.

Guiding Seven PhD students (continuing)

Thesis submitted by Ph.D. student - 01

Dr. Palash Mondal

Appointed as an External Examiner of Department of Agril. Entomology, UBKV, Cooch Behar,

Appointed as an External Examiner of Department of Agril. Entomology, BCKV, Mohanpur, Nadia,

Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038).

Life member of the 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'.

Life member of Crop and Weed Society, Kalyani.

Life member of The Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Annual member of Entomological Society of India, New Delhi.

Thesis submitted/awarded for Ph.D and M.Sc(Ag.)

Ph.D awarded: 1

M.Sc (Ag.) awarded : 1

Dr. M. K. Biswas

Membership of the National Society/Journal

Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New Delhi, India publish the Journal of Indian Phytopathology.

Permanent life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology.

Permanent life member of the Society for Plant Protection and Environment, OAUT, Bhubaneswar, India. Publish the Journal of Plant Protection and Environment.

Life member of Association for Advancement in Plant Protection, publish The journal of Plant Protection Science.

Member of the association of Mushroom Society of India, Solan, publish the journal Mushroom Research

Extra-curricular activity :

Act as a Phd. Course coordinator in the Department of Plant Protection.

Acting as an In-charge of Experiential Learning Unit "Production of Edible mushrooms and spawn" of PSB, Visva-Bharati since April 2014.

Editor/reviewer

Act as a reviewer of the Indian journal of Phytopathology, IARI, New Delhi, India.

Act as an editorial member of the International Journal of Economic Plants, ISSN: 2349-4727, Puspaa Publishing House.

Act as an editorial member of the Microbioz Journals, Journal of Microbiology and Biomedical Research, ISSN (Online): 2395-5678, Approved by University Grants Commission (UGC).

Academic collaboration with other Institute/ National Society/Journal:

Appointed as an External Examiner and question setter for the subject of Agricultural Microbiology (PP-111) Ist semester, of BCKV, Mohanpur, Nadia, W.B. from 08-10 April, 2017.

Appoint as an External Examiner External for evaluating the M.Sc. thesis of the students of BCKV, Mohanpur, Nadia, W.B. on 23 June, 2017.

Visited ICRISAT, Hyderabad, for institutional collaboration with the project relating to integrated pest management and climate change.

Achievement :

Provided lead lecture on the topic "Screening of brinjal genotypes for their resistance against fungal and bacterial wilt and integrated management of the disease in session IV of "National Seminar on Mixed Farming - A Traditional Practice to Enhance The Income of Farmers" Organised The Department of Animal Science, PSB. (Institute of Agriculture), Visva-Bharati, Sriniketan- 731236 in Association With The Society of Bio-resource, Environment And Agricultural Research (SBEAR) from 24-25th March, 2018.

Three students submitted their Ph.D. thesis during 2017-2018

Dr. Bholanath Mondal

Membership of National Society / Journal

Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.

Life member of 'Eastern India Horticulture and Biotechnology Centre' published the Journal 'Green Technology'. Office: Baharu, South 24 Parganas.

Both Founder and Life member of 'Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.

Both Founder and Life member of 'Organisation for Assisting of the Throtting World'. Office: Rajbaripara, Jalpaigur.

Life member of 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'. Office: Department of Entomology, Collage of Agriculture, OUAT, Bhubaneswar - 751 003, Orissa.

Life member of 'Indian Society of Soil Biology and Ecology' published the 'Journal of Soil Biology and Ecology'. Office: Dept. of Agricultural Microbiology and Entomology, University of Agricultural Sciences, GKVK Campus, Bangalore - 560 065.

Association of Agrometeorologists, published the Journal of Agrometeorology, Office: AAU, Anand, Gujarat.

Indian Mycological Society (IMS), published the Journal of Mycopathological Research. Office: University of Calcutta, Kolkata, West Bengal.

Indian Society of Mycology and Plant Pathology (ISMPP), published the Journal of Mycology and Plant Pathology. Office: MPUAT, Udaipur, Rajasthan.

Association for Advancement in Plant Protection (AAPP), Published The Journal of Plant Protection Sciences. Office: Plant Health Clinic, Directorate of Research, BCKV, Nadia, West Bengal.

Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the Journal of Agriculture and Technology. Office: UBKV, Coochbehar, West Bengal.

Society of Bio-resource, Environment and Agricultural Research, published the International Journal of Bio-resource, Environment and Agricultural Sciences Office: Abanpalli, Santiniketan, Birbhum, West Bengal.

Indian Red Cross Society, Bolpur, Birbhum

Other Achievements

Guiding two M.Sc. Students (6 awarded) and eight Ph. D. students (one awarded, one submitted)

Appointed as an External Examiner of OUAT, Orissa; Siksha-O-Anusandhan University, Orissa; BCKV, West Bengal; UBKV, West Bengal.

Acting as Assistant Secretary of Society of Bio-resource, Environment and Agricultural Research,

Santiniketan, Birbhum.

Acting as Public Relation Officer and Editorial board member of the Journal of International Journal of Bio-resource, Environment and Agricultural Sciences.

Acting as Executive Board Member and reviewer of the journal, Journal of Crop and Weed published by Crop and Weed Science Society (CWSS), BCKV, Nadia, West Bengal.

Acted as Convener in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Acted as Organising Secretary in the National Seminar on 'Human Right and Social Justice' held at Lipika on 13-14 April, 2017, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Visva-Bharati, Santiniketan.

My Ph.D. scholar, Sri Siddhartha Das has nominated for Prof. M. J. Narasimhan merit academic award from eastern region 2017 by Indian Phytopathological Society.

Dr. Swarnali Bhattacharya

- a) Life member of the society - Society for Advancement of Agricultural Innovations" having the periodic journal "Innovative Framing"
- b) Acted as Rapporteur in the 1st Farm Innovation Congress 2018 and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" jointly organized by Innovative Farming, Society for Advancement of Agricultural Innovations (SAAI) and AICRP on Soil test crop response correlation, BCKV, Mohanpur held from 12th -13th January, 2018.
- c) Acted as the member of the Organizing committee in the 1st Farm Innovation Congress 2018 and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" jointly organized by Innovative Farming, Society for Advancement of Agricultural Innovations (SAAI) and AICRP on Soil test crop response correlation, BCKV, Mohanpur held from 12th -13th January, 2018.

Guiding two M.Sc. students (4 awarded)

Guiding four PhD students (continuing)

About four years four months of teaching and research experience in PSB, Visva-Bharati.

Appointed as an External Examiner of JawarlalNeheruKrishiVishwavidyalaya, Jabalpur, Madhya Pradesh and Bihar Agriculture University, Sabour

Honours and awards :

Received the best Oral Presentation award in the 1st Farm Innovation Congress 2018 and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" jointly organized by Innovative Farming, Society for Advancement of Agricultural Innovations (SAAI) and AICRP on Soil test crop response correlation, BCKV, Mohanpur held from 12th -13th January, 2018 on the topic "Effect of Jasmonic acid as inducers of resistance in Tomato against Spodopteralitura infestation".

Publications (Published during April 2017 - March 2018)

Dr. Ranjan Nath

Debjani Choudhury, Yumlembam Rupert Anand, Susamoy Kundu, Ranjan Nath, Ramen Kumar Kole and Jayanta Saha (2017) Effect of plant extracts against sheath blight of rice caused by *Rhizoctonia Solani*. *Journal of Pharmacognosy and Phytochemistry (JPP)* 6(4): 399-404. E-ISSN: 2278-4136; P-ISSN: 2349-8234 . Impact Factor: GIF: 0.225, ICV: 5.52, NAAS Rating: 5.21.

Debjani Choudhury, Soumen Saha, Ranjan Nath, Ramen Kumar Kole and Jayanta Saha (2017) Management of chilli anthracnose by botanicals fungicides caused by *Colletotrichum capsici*. *Journal of Pharmacognosy and Phytochemistry (JPP)* 6(4): 997-1002. E-ISSN: 2278-4136; P-ISSN: 2349-8234. Impact Factor: GIF: 0.225, ICV: 5.52, NAAS Rating: 5.21.

Dr. Palash Mondal

S. Chatterjee, I. Dana, C. Gangopadhyay and P. Mondal. 2017. Monitoring of yellow stem borer, *Scripophaga incertulas* (Walker) using pheromone trap along with determination of field incidence in Kharif rice. *J. CropWeed*, 13: 156-159.

P. Mondal and S. Chakraborty. 2017. Effect of dietary linoleic and linolenic acids on the development and adult formation of *Cretonotus gangis* L. *Int. J. Curr. Microbiol. App. Sci.*, 6: 2492-2499.

Rajesh Kumar, M. K. Chakravarty, P. Mondal and S. Chakraborty. 2017. Evaluation of advanced chickpea genotypes for resistance to pod borer, *Helicoverpa armigera* (Hubner). *Int. J. Curr. Res.*, 9: 44580-44582.

S. Chatterjee, P. Mondal, I. Dana, C. Gangopadhyay and U. Nayak. 2017. Screening of rice genotypes for their resistance against yellow stem borer and leaf folder. *SATSA Mukhapatra-Annual Technical Issue*, 21: 200-205.

S. Chatterjee, I. Dana, C. Gangopadhyay and P. Mondal. 2017. Monitoring of yellow stem borer, *Scirpophaga incertulas* (Walker) by using pheromone trap and light trap along with determination of field incidence in kharif rice. In. *Proceedings: Int. Symp. Eco-Efficiency Ag. Allied Res.*, pp. 637-738.

Rajesh Kumar, S. K. Singh, M. K. Chakravarty and P. Mondal. 2017. Effect of intercropping on the *Helicoverpa armigera* (Hubner) incidence and yield in chickpea. *Indian J. Ent.*, 79: 9-12.

B. Kahar, A. Konar and P. Mondal. 2017. Assessment and evaluation of different treatment schedules against plant and tuber damage caused by soil pests on potato. *Indian J. Agric. Res.*, 51: 44-48.

Dr. M. K. Biswas

i) Suman Patra; Mohan Kumar Biswas and Asish Mahato (2017). Prevalence of *Fusarium* Wilt of Chickpea in the Agro-ecological condition of Undulating Red and Lateritic zone of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, Vol.6(11), pp-2456-2462. NAAS: 5.38

ii) S. Palchoudhury; P. Ghimiray I; M.K. Biswas and K.K. Biswas (2017) Citrus tristeza Virus Variants and their Distribution in Mandarin Orchards in Northeastern Himalayan Hill Region of India. *International Journal of Current Microbiology and Applied Sciences*, Vol.6(6), pp-1680-1690. NAAS: 5.38

iii) P. Nagamani I; Someshwar Bhagat; M.K. Biswas and K. Viswanath (2017) Effect of Volatile

- and Non Volatile Compounds of *Trichoderma* spp. against Soil Borne Diseases of Chickpea. *International Journal of Current Microbiology and Applied Sciences*, Vol.6(7): 1486-1491. NAAS: 5.38
- iv) Rini Pal, Dipankar Mandal, Mohan Kumar Biswas and Bhima Sen Naik (2017). Evaluation of New Generation Fungicidal Molecules for the Management of Sheath Blight (*Rhizoctonia solani* Kühn) of Rice. *J Mycol Pl Pathol*, Vol. 47(4) pp-435-440. NAAS: 5.79
 - v) Asish Mahato; Mohan Kumar Biswas and Suman Patra (2017). Prevalence of Collar Rot of Tomato Caused by *Sclerotium rolfsii* (Sacc.) under the Red and Lateritic Zone of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, Vol.6(11): 3231-3236. NAAS: 5.38
 - vi) Asish Mahato, Mohan Kumar Biswas and Suman Patra (2017). Effect of Age on Susceptibility of Tomato Plants to *Sclerotium rolfsii* (Sacc.) Caused Collar Rot Disease. *International Journal of Pure and Applied Bioscience*. 5 (6): pp-1108-1112. NAAS:4.85
 - vii) P. Nagamani¹; Someshwar Bhagat; M. K. Biswas and K. Viswanath (2017). Variability in parasitic ability of *Trichoderma* isolates against sclerotia of *Sclerotium rolfsii* associated with chickpea. *Journal of Biological Control*, 31(3): pp-181-188. NAAS: 5.34.
 - viii) Asish Mahato; Mohan Kumar Biswas and Suman Patra (2017). Effects of Soil Edaphic Components on Incidence of Tomato Collar Rot Disease Caused by *Sclerotium rolfsii* (Sacc.). *International Journal of Plant & Soil Science*, Vol. 20 (6): pp- 1-8, NAAS:4.77
 - ix) Tanmay Ghosh; M. K. Biswas and Kaustav Aikat (2018). A Review on Seed Borne Mycoflora Associated with Different Oilseed Crops and their Management. *International Journal of Pure and Applied Bioscience*. 6 (1): pp- 1526-1538. NAAS:4.85
 - x) Rini Pal, Dipankar Mandal, Mohan Kumar Biswas and Bhima Sen Naik (2018). Reaction of a number of popular Rice cultivars and some donor lines to Sheath blight (*Rhizoctonia solani* Kühn) disease in Odisha. *J. Mycopathol. Res.* 55(4), pp-359-363. NAAS: 4.90
 - xi) Tanmay Ghosh, M. K. Biswas, Pradipta Roy and Chiranjib Guin (2018). A Review on Traditional and Pharmacological Uses of *Croton bonplandianum* with Special Reference to Phytochemical Aspect. *European Journal of Medicinal Plants*. Vol.22(4), pp- 1-10, NAAS: 3.75.
 - xii) M. K. Biswas, Sanjib Kuiry and Tanmay Ghosh (2018). Use of Plant Extracts for Substrate Sterilization and Its Effect on Competitor Moulds and Biological Efficiency of Oyster Mushroom. *European Journal of Medicinal Plants*. Vol.22(4), pp- 1-10. NAAS: 3.75.
 - xiii) M. K. Biswas, Sanjib Kuiry and Tanmay Ghosh (2018). Use of Plant Extracts for Substrate Sterilization and Its Effect on Competitor Moulds and Biological Efficiency of Oyster Mushroom. *European Journal of Medicinal Plants*. Vol.22(4), pp- 1-8. NAAS: 3.75
 - xiv) M. K. Biswas and Tanmay Ghosh (2018). Evaluation of Phyto-extracts, Biological Agents and Chemicals against the Development of *Alternaria brassicae* in vitro and in vivo. *European Journal of Medicinal Plants*. Vol.22(3), pp- 1-9. NAAS: 3.75
 - xv) Tanmay Ghosh, M. K. Biswas, Soumyajit Dhara and Chandan Ghosh (2018). Mechanisms involve in jute resistance to *Macrophomina phaseolina*: Strategies for developing resistant jute varieties. *Plant Cell Biotechnology and Molecular Biology* 19(3&4) pp 91-106. NAAS: 4.31

- xvi) M. K. Biswas and Tanmay Ghosh (2018). Screening of brinjal genotypes for their resistance against fungal and bacterial Wilt and integrated management of the Disease. *Plant Cell Biotechnology and Molecular Biology* 19(1&2)pp 61-71. NAAS: 4.31
- xvii) Tanmay Ghosh and M. K. Biswas (2018). Host resistance of pumpkin germplasms against mosaic Disease. *Bionature*, 38 (1) ,pp : 58-65, UGC and ISI Journal.
- xviii) Tanmay Ghosh and M. K. Biswas (2018). Host resistance of pumpkin germplasms against mosaic Disease. *Bionature*, 38(1) ,pp : 58-65, UGC and ISI Journal.
- xix) M. K. Biswas and Tanmay (2018). Natural incidence of mosaic disease of pumpkin (*Cucurbita moschata*) and its management through avoidance. *Bionature*, 38(2) ,pp : 96-104, UGC and ISI Journal.
- xx) M. K. Biswas, Swapan Quiry and Tanmay Ghosh (2018). Role of abiotic factors on the development of rice Brown spot caused by bipolaris oryzae (bread of haan) Shoemaker. *Bionature*, 38(2), pp : 86-95, UGC and ISI Journal.
- xxi) Tanmay Ghosh, M. K. Biswas, Pradipta Roy and Chiranjib Guin (2017). Short Review of Different Microflora from the Oral Cavity of Snakes. *Uttar Pradesh Journal Of Zoology*, 37(1&2): 30-34 NAAS : 3.81
- xxii) Tanmay Ghosh, M. K. Biswas, Chiranjib Guin and Pradipta Roy (2018). A Review on Characterization, Therapeutic Approaches and Pathogenesis of *Macrophomina Phaseolina*. *Plant Cell Biotechnology and Molecular Biology*, 19(3&4):72-84. NAAS : 4.31
- xxiii) Tanmay Ghosh, M. K. Biswas, Chiranjib Guin, Pradipta Roy and Kaustav Aikat (2018). A Review on Seed Borne Mycoflora Associated with Different Cereal Crop Seeds and their Management. *Plant Cell Biotechnology and Molecular Biology*, 19(3&4):107-117. NAAS : 4.31
- xxiv) M. K. Biswas and Tanmay Ghosh (2018). Epidemic Development of Pumpkin Mosaic and its Relationship with Abiotic Factors and Vectors. *Plant Cell Biotechnology and Molecular Biology*, 19(1&2):51-60. NAAS : 4.31
- xxv) Tanmay Ghosh, M. K. Biswas and Kaustav Aikat (2018). Evaluation of the Phytochemical Investigation and Antimicrobial Efficacy of Different Extract of Leaves of *Croton bonplandianum* Against Some Pathogenic Bacteria *Salmonella enterica* (Typhi) and *Staphylococcus haemolyticus*. *International Journal of Pure & Applied Bioscience*, 6 (1): 1494-1503. NAAS: 4.74

Dr. Bholanath Mondal

Das, S., Dutta, S., Chattopadhyay, A. and Mondal, B. (2017). First report of *Choanephora infundibulifera* causing blossom blight of teasel gourd in India. *Indian Phytopathology*, 70(2): 265-267.

Das, S., Dutta, S., Kuiry, S.P. and Mandal, B. (2017). First report of twig blight of green pea caused by *C. infundibulifera* in India. *Indian Phytopathology*, 70(3): 400-402.

Das, S., Dutta, S. and Mondal, B. (2017). First report of *Choanephora cucurbitarum*, causing leaf blight of hyacinth bean in India. *Journal of Plant Pathology*, 99(2):533-543.

Das, S., Dutta, S. and Mondal, B. (2017). First report on blossom and leaf blight of aubergine

(*Solanum melongena* L.) caused by *Choanephora infundibulifera* (Currey) Sacc., in India. *Journal of Mycology and Plant Pathology*, 47(1):69-73.

Siddhartha Das, Subrata Dutta, Arup Chattopadhyay and Bholanath Mondal (2017). First report of *Choanephora infundibulifera* causing blossom blight of teale gourd in India. *Indian Phytopathology*, 70(2): 265-267.

Bholanath Mondal and Papiya Debbarma (2017). Management of Collar rot disease of potato caused by *Sclerotium rolfsii* Sacc. through plaster of paris. *Journal of Mycopathological Research*, 55(1): 31-36.

Saidul Islam, Rahamatulla Middy, Bholanath Mondal and Dinesh Chandra Khatua (2018). Effect of fungicides on lesion expansion of late blight of potato. *International journal of Current Microbiology and Applied Sciences*, 7(1): 20-25.

Saidul Islam, Rahamatulla Middy and Bholanath Mondal (2018). Bioefficacy of fungicides against *Phytophthora infestans* causing late blight of potato under laboratory condition. *Current Journal of Applied Sciences and Technology*, 26(1): 1-5.

Uttam Mondal, Bholanath Mondal and Palash Mondal (2017). Incidence of citrus canker on acid lime in red and lateritic agro-climatic zone of West Bengal, India. *International Journal of Bio-Resource, Environment and Agricultural Sciences*, 3(1): 453-458.

Uttam Mondal, Bholanath Mondal and Raju Das (2018). Laboratory evaluation of antibiotics against *Xanthomonas axonopodis* pv. *citri* (Hasse) Vauterin et al. causing citrus canker. *International Journal of Research and Innovation in Applied Science*, 3(3): 9-11.

Book Chapter

Bholanath Mondal, Palash Mondal and Mrinal Kanti Dasgupta (2017). Traditional Knowledge in relation to Human Affairs. In: *Human Development and Sustainability - Challenges and Strategies* (A. K. Sarkar and P. K. Ghosh Eds.). ATLANTIC Publishers & Distributors (P) Ltd., New Delhi, pp. 234-247 (ISBN: 978-81-269-2307-6).

Sanjoy Kumar Bordolui, Raju Das, Bholanath Mondal and Pranab Chattopadhyay (2017). Evaluation of some Aromatic and Non-aromatic Indigenous Genotypes from Field Gene Bank for commercial utilization as high value rice. In: *Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II)* (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 01-11 (ISBN: 978-93-85503-58-0).

Shilika Hansda, Karam Chand Hembrom and Bholanath Mondal (2017). Ethnomedicinal uses of different plants by Tribal people in Bankura District of West Bengal. In: *Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II)* (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 130-134 (ISBN: 978-93-85503-58-0).

Rituparna Char, Bholanath Mondal and Debashis Ponda (2017). Traditional herbal medicine in Birbhum District of West Bengal. In: *Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II)* (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi,

pp. 135-140 (ISBN: 978-93-85503-58-0).

Raju Das, Sanjoy Kumar Bordolui and Bholanath Mondal (2017). Disease reaction of linseed lines/ varieties against *Alternaria* blight in West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 141-145 (ISBN: 978-93-85503-58-0).

Palash Mondal, Chandan Maity Bholanath Mondal and Laltu Mandal (2017). Validation of some IPM modules for *Leucinodes orbonalis* in relation to socio-economic conditions of brinjal growers in lateritic zone of West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 146-152 (ISBN: 978-93-85503-58-0).

Debashis Panda, Sananda Mondal, Bholanath Mondal and Kalipada Pramanik (2017). Food and Nutritional security through biofortification of staple food crops. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 254-264 (ISBN: 978-93-85503-58-0).

Debashis Panda and Bholanath Mondal (2017). Ecophysiological and agricultural significance of indicator plants. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 265-271 (ISBN: 978-93-85503-58-0).

Debashis Panda, Kalipada Pramanik and Bholanath Mondal (2017). Legislative measures in India for land reforms, input management in agriculture and food security: steps towards inclusive growth. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 272-282 (ISBN: 978-93-85503-58-0).

Sanjoy Kumar Bordolui, Raju Das, Bholanath Mondal and Pranab Chattopadhyay (2018). Evaluation of some indigenous rice genotypes through participatory approach. In: Human Rights and Social Justice: Agricultural Issues and Concern (B. Mondal, A. Lokho and G. Mandal Eds.). New Delhi Publishers, New Delhi, pp. 1-5 (ISBN: 978-93-86453-48-8).

Debashis Panda, Sananda Mondal and Bholanath Mondal (2018). Plant Quarantine Regulations in India: Past, Present and Future. In: Human Rights and Social Justice: Agricultural Issues and Concern (B. Mondal, A. Lokho and G. Mandal Eds.). New Delhi Publishers, New Delhi, pp. 93-102 (ISBN: 978-93-86453-48-8).

Pritilata Das, Bholanath Mondal and Sukumar Pal (2018). Human Rights Violation in India: An Enquiry into its Facts (S. Pal, P. Bhikkhu and P. Meshram Eds.). New Delhi Publishers, New Delhi, pp. 135-142 (ISBN: 978-93-86453-47-1).

Other publications (Occasional Papers, Monographs, Working Papers, Policy Briefs, Etc.)

Text Book:

Cucurbits: Biotic and abiotic stresses. Authors: Nripendra Laskar, Bholanath Mondal and Partha Choudhuri. Year of publication: 2018, Page No. 258. Publishers: New India Publishing Agency, New Delhi (ISBN: 978-93-86546-50-0)

Edited Book:

Human Rights and Social Justice: Agricultural Issues and Concern. Editors: Bholanath Mondal, Adani Lokho and Goutam Mandal. Year of publication: 2018, Page No. 167. New Delhi Publishers, New Delhi, (ISBN: 978-93-86453-48-8).

Dr. Swarnali Bhattacharya

- 1) MousumiGhose, Swarnali Bhattacharya and SK Mandal (2017). "Effect of date of planting on pest and leaf curl virus incidence on Bell Pepper (*Capsicum annum vargrossum*Sendt.) in the Bengal Basin". *Journal of Entomology and Zoology Studies*. 5 (6): 507-510.
- 2) PrajnaPati and Swarnali Bhattacharya (2017). "Efficacy of different bio-fertilizers and bio-pesticides against pod bug in Green gram". *International Journal of Farm Sciences*. 7(3): 57-62

Book chapters

- 1) "Bee keeping for Women Empowerment", Chapter No.- 19; PrajnaPati and Swarnali Bhattacharya; *Relevance of Dr. B.R. Ambedkar for Inclusive Development In India (Inclusive Development, Women Empowerment and Social Justice) Volume I* [ISBN No. 978-93-85503-58-0], New Delhi Publishers, New Delhi, 2017; pp.177-185.
- 2) "Integrated Management for Insect-pests of Capsicum". Chapter No.- 19; MousumiGhose and Swarnali Bhattacharya; *Relevance of Dr. B.R. Ambedkar for Inclusive Development In India (Inclusive Development, Agriculture and Sustainable Rural Development) Volume II* [ISBN No. 978-93-85503-58-0], New Delhi Publishers, New Delhi, 2017; pp.153-162.
- 3) "Bio-technological Advancement in Insect-pest Management". Chapter No.- 19; Snehangsu Das, PrajnaPati, Ananya Ghosh and Swarnali Bhattacharya; *Relevance of Dr. B.R. Ambedkar for Inclusive Development In India (Inclusive Development, Agriculture and Sustainable Rural Development) Volume II* [ISBN No. 978-93-85503-58-0], New Delhi Publishers, New Delhi, 2017; pp.244-253.

Other publications (Occasional Papers, Monographs, Working Papers, Policy Briefs, Etc.)

- 1) Entomology manual (2017) - Practical manual for UG Students

Abstracted paper

- 1) "Screening of Redrice accessions for resistnace against brown Plant Hopper *Nilaparvatalugens* (Stal.) (Hemiptera:Delphacidae) in the 3rd ARRW International Symposium on Frontiers of Rice Research for Improving Productivity, Profitability and Climate Resilience held from 6th - 9th February, 2018 at ICAR- NRRI, Cuttack, Odisha.
- 2) "Push-pull strategy in Insect-Pest Management" in the 1st Farm Innovation Congress 2018 and National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" jointly organized by Innovative Farming, Society for Advancement of Agricultural

Innovations (SAAI) and AICRP on Soil test crop response correlation, BCKV, Mohanpur held from 12th -13th January, 2018

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

M.Sc.(Ag) in Plant Protection syllabus with semester system revised during 2009-2010 was re-structured during the year 2011-12 based on the expertise of 6 faculties of this department as well as recent recommendation of ICAR. From this year onward separate M.Sc. Degree in two subjects viz. Agril. Entomology and Plant Pathology will be awarded by the Department. New syllabi for these two subjects are prepared following the ICAR syllabus. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the subject and already introduced successfully.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

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 faculty members of this department are actively involved in teaching, research and extensions and published around 400 research papers, review articles etc. in the referred international and national journals, and 6 authored/edited book chapters from Spain, Germany and India. Faculty of the department has got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. 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 conducted special classes exclusively for the purpose of JRF and guided 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. Traditional strengths of research in the department had been in economic entomology, toxicology and biological control. At present emphasis is on synthesizing IPM modules for different crops involving bio- agents, cultural practices, host plant resistance and eco friendly chemicals.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

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. Credit based Semester system has been incorporated for UG, PG & Ph.D. students in order to make the course curriculum system more flexible. It periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging

trends of the respective subjects. During the year 2011-2012, M. Sc(Ag) in Plant Protection syllabus was again re-structured based on the experience and expertise of 8 faculties of this department as well as recent recommendation of ICAR. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the respective subjects, which has been dully introduced successfully. Besides that, 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 and a separate unit for experiential learning course on mushroom is being established.

Presently the Department has been planning to establish a dedicated Plant Health Clinic for providing single window solution to the farmers of adjoining areas as well as to set up a well equipped laboratory for conducting need based research at molecular level as well as to carry out basic and strategic research in Entomology & Plant Pathology and to provide services in insect and disease science and technologies.

Particulars in details of the Departmental Library:

At present there is no departmental library. For detail information please see the Annual Report of Palli Siksha Bhavana.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Name of the students qualified in UGC/CSIR/NET/SLET/GATE Examinations:

Mrs. Olipriya Biswas, PhD scholar: Qualified DST-INSPIRE fellowship

Departmental Seminar (Speakers, Title of the Seminar, Date)

Title of the Seminar: One day National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization

Date of seminar: 29th January, 2018

Chairman: Prf. A.K. Chatterjee

Convener: Dr. P. Kandasamy

Organizing Secretary: Dr. K.C. Swain

Speakers:

Dr. Alok Nath Roy, Director, NIRJAFT, Kolkata

Dr. Debasish Nag, Former Director, NIRJAFT, Kolkata

Prof. Asis Kumar Chackraborty, Former Vice-Chancellor, BCKV, Mohanpur, West Bengal

Prof. Indira Mani, Head, Division of Agricultural Engineering, IARI, New Delhi

Prof. T. K. Tiwari, Professor, Department of Farm Machinery and Power, IIT, Kharagpur

Dr. Prasant Dubey, Assistant General Manager, NABARD, Kolkata

Conference / Seminar / Workshop / Symposium / Exhibition / Refresher / Summer / Winter school (National and International) attended by Teachers/Research scholars in details:

Dr. P. Kandasamy

24-25 March, 2018. Presented a paper in the National Seminar on "Mixed Farming-A Traditional Practice to Enhance the Income of Farmers Giving Emphasis more in Livestock Keeping" Organized by Department of Animal Science, Palli Siksha Bhavana, Visva-Bharati in Association with the Society of Bio-Resource, Environment and Agricultural Research (SBEAR), Santiniketan, West Bengal. Title of presentation: "The Role of Engineering in Organic Farming: Case Energy Crops"

16-17 March, 2018. Presented a paper in the National Seminar on "Waste Management of Local Self Government (Municipalities and Panchayats)" Jointly Organized by Palli Samgathana Vibhaga, Visva-Bharati, Santiniketan and Institution of Public Health Engineers, India. Title of presentation: "Bioconversion of Fruit Processing Waste to Value Added Products".

1-7 February, 2018. Participated in the short term course on Thinking through Gender organized by UGC-HRDC, Jadavpur University, Kolkata, West Bengal.

29 January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Recent Development in Indian Food Industry and Processed Food Products Export".

Dr. K.C. Swain

24-25 March, 2018. Presented paper in the National Seminar on Mixed Farming- A traditional Practice to Enhance the Income of Farmers, Giving emphasis more in Livestock Keeping Jointly organized by Department of Animal Science, Palli Siksha Bhavana, Visva-Bharati in Association with the Society of Bio-Resource, Environment and Agricultural Research (SBEAR), Santiniketan, West Bengal. Title of presentation: "Soil reflectance estimation for soil properties analysis".

23-25th March, 2018. Presented paper in the International Interdisciplinary Conference on Road Map for the Development of Eco-Tourism in and around Santiniketan & Birbhum" Jointly organized by Department of Tourism, West Bengal and PRO, Visva-Bharati, Santiniketan. Title of presentation: "Scope of Agro Tourism in Santiniketan Agricultural Farms".

16-17 March, 2018. Presented paper in the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats), Organized by PSV, Visva-Bharati & IPHE, Kolkata. Title of presentation: "PPP based solid waste management".

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Nanomaterial and nano technology for renewable energy production".

16th September, 2017. Presented paper in the International Conference on Recent Trends in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Ecological Sciences and Climate Change (AFHABEC-2017) Organized by JNU, New Delhi. Title of presentation: Status mapping of land use/land cover change of forest resources

Mr. C. Singha (PhD scholar)

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "GIS-AHB based land suitability assessment for rice crop in hoogly, West Bengal"

16-17 March, 2018. Presented paper in the National Seminar on Waste Management of Local Self Government (Municipalities and Panchayats), Organized by PSV, Visva-Bharati & IPHE, Kolkata. Title of presentation: "Novel Technology for Agricultural Waste Management".

Sanjay Kumar Swain (PhD scholar)

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Forest fire Assessment in STR with Remote Sensing and GIS Application".

A. Jawahar (PhD scholar):

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Nutritional and Medicinal Characteristics of under Utilized Fruits-A Review".

Mayank Mishra (PhD scholar):

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Development of Protein rich Millets based Instant Food by Extrusion cooking process-review".

Ms. Olipriya Biswas (PhD scholar)

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Novel Value Added Fish Products Using Guava Powder as an Antioxidant Dietary Fibre."

Presented a paper in the National Symposium on "Role of Veterinaries in Improving Food Safety Through one World-one Health and one Medicine approach in India" Jointly organized by Bengal Veterinary College, University of Calcutta, Faculty of Veterinary & Animal Sciences, BCKV and West Bengal University of Animal & Fishery Sciences, Kolkata. Title of presentation: Length Frequency Analysis of Shell Fishes caught in newly Designed Coastal Set Bag Net".

Ms. Nileshwari Raju Yeole (PhD scholar):

22-23 March, 2018. Presented a paper in the International Conference on "Resent Trade in Sciences and Technology" Organized by SSSKRI Mahavidyalaya, Washim, Maharashtra, India Title of presentation: "Hermetic Storage Technology for Smallholder Farmers in India".

17-18 February, 2018. Presented a paper in the 20th Indian Agricultural Scientists and Farmers' Congress on "Recent Need based and Eco-Friendly Technologies for Doubling Farmers' Income" organized by Title of presentation: "Profitable Chemical-free Cereals Storage Technology for Small Holder Farmers and Challenges".

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Effect of Different Packaging Materials and Storage on Quality of Green Gram

Aman Kumar (PhD scholar):

29th January, 2018. Presented a paper in the National Seminar cum Panel Discussion on Doubling Farmers Income: Role of Agricultural Mechanization Organized by Department of Agricultural Engineering, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal. Title of presentation: "Technology Combination for Power Efficient, less time Intensive Process for Onion Dehydration and Value Addition".

On-going Research Projects in the Department : Nil

Extension Activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department:

Conducted RAWE programme on Agricultural Mechanization and Rice Processing Industry in rural areas of Bolpur sub-division

Academic distinctions gained by Teachers/Scholars of the Department as a whole (like recognition as D.S.A. or C.A.S. etc)

8. Publications within year April 2017-March 2018

8.1. Text books

8.2. Other books/book chapter:

Dr. P. Kandasamy (Assistant Professor):

Kandasamy, P (2017) Emerging Methods of Processing and Preservation of Fruits. In Avijit Kumar Dutta and Bholanath Mondal (ed) Fruits for Livelihood: Production Technology and Management Practices. Agrobios (India), Jodhpur, pp 299-340. ISBN: 978-81-933644-5-1.

Dr. K.C.Swain

Swain, K.C., Mahata, A. and Singha, C. Nutrition Status of Lactating Mothers, Lambert Academic Publishing, Germany, 2017. 74 pages. ISBN- 978-3-330-08694-4

Swain, K.C. and Singha, C. 2017. Child labour in Agriculture: Trends and Regulations. In, Pal, S., Bhikkhu, P., Meshram, P., Saha, N.C. Majhi, B. and Jaysawal, N. (eds), Relevance of Dr. B.R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice, New Delhi Publishers, pp. 217-225. ISBN:978-93-85503-58-0

Swain, K.C. and Singha, C. 2017. Climate change threat to sustainable agriculture, In Sarkar, A.K. and Ghosh, P.K. (eds), Human development and sustainability: Challenges and Strategies, Atlantic Publisher, pp. 68-85. ISBN: 978-8-126-92307-6.

Swain, K.C. 2017. Application of Nano materials in food processing: A review. In Dutta, A.K. and Mondal B. (eds), Fruits for Livelihood Production Technology and Management Practices, Agrobios (India) Publishers, Jodhpur, India, pp: 591-599.

Mr. C. Singha (PhD Scholar):

Singha, C. and Swain, K.C. 2017. Potential of PPP model for Poverty Alleviation: An Indian Perspective. In, Pal, S., Bhikkhu, P., Meshram, P., Saha, N.C. Majhi, B. and Jaysawal, N. (eds), Relevance of Dr. B.R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice, New Delhi Publishers, pp. 55-67, ISBN:978-93-85503-58-0.

8.3. Monographs

8.4. Research Papers

Dr. P. Kandasamy

"Mathematical Modeling of Diffusion Channel Length to Maintain Steady-state Oxygen Concentration for Controlled Atmosphere Storage of Tomato" International Journal of Food Properties, 2017, Vol. 20, No. S2, pp. S1424-S1437.

DOI: 10.1080/10942912.2017.1347181.

"Fabrication and Performance Evaluation of Improvised Solar Drier for Preservation of Fish" International Journal of Current Microbiology and Applied Sciences, 2018, Vol.7, No.4, pp. 3186-3194. Doi:<https://doi.org/10.20546/ijcmas.2018.704.361>.

Dr. K.C. Swain

"Hermetic storage technology for small holder farmers in India" Aayushi International Interdisciplinary Research Journal (AIIRJ), 2018. Vol. 25, pp. 91-95.

"Status Mapping of Landuse/Land Cover Change of Forest Resources" Journal of Energy Research and Environmental Technology (JERET), 2017 Vol. 4, no. 3, pp. 234-239.

8.5. Number of paper published in Peer/reviewed journals (National/International):

National: 1

International: 3

Designing new course/curriculum or any other teaching innovations introduced by the Department

A brief history on the development of the Bhavana/sadana/vibhaga concerned with an indication of the future plans for development

The Department of Agricultural Engineering was established on 1st October, 2016. The main objectives of the Department are teaching, research and extension activities in the field of Agricultural Engineering including, Farm Mechanization, Food and Agricultural Processing, Soil and Water Conservation Engineering and Renewable Energy Technology and also to provide scientific basis for enhancing and sustaining productivity in the farming sectors with the modern and advanced agricultural technologies. At present, the Department offers different courses viz. Farm Power and Machinery, Protected Cultivation and Postharvest Technology, Fundamentals of Soil and Water Conservation Engineering, Renewable Energy, Principles of Food Science and Nutrition, RS and GIS in NRM and Land use planning at undergraduate level in Agricultural Sciences. The Department also offers Ph.D degree programme in Agricultural Engineering disciplines. There are five students continuing Ph.D. degree in the Department. Major research areas are Precision agriculture application, climate change impact on forest biomass, Runoff modeling, Food Process Engineering, Food Technology, etc. Being a new Department, there is enormous requirement of infrastructure and equipments, including laboratory, Workshop and Departmental Building.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

DEPARTMENT OF ANIMAL SCIENCE

Name of the Department and detailed information as per Proforma I and II enclosed. Department of Animal Science.

Name the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: N.A., as M.Sc. started from 2016-17.

Departmental Seminar (Speakers, Title of the Seminar, Date)

Dr.M.K. Basu - on Bio-Fertiliser and Animal Keeping- 25-03-2018.

Prof.S.K.Pyne - Blue Whales and Present crisis - for students- 30-11-2017.

Only National and International standard Conference / Seminar /Workshop / Exhibition etc. Attended by teachers/Research scholars in details.

This dept. organised a National Seminar on Mixed Farming- A Traditional Practice to Enhance the income of farmers, 24-25- March 2018. 50 Teachers and about 100 Research scholars were present.

On going Research Projects in the Department : Only deptl. Projects for PG students.

Extension activities / NSS / Cultural and other activities organised by the Department and participated by the teachers and students of the Department. Participated in AIR & Doordarshan & Cultural Programme of the University, Drama with students and Lectures on social problems and technical aspects for the students and farmers : Prof. S.K. Pyne

Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.) : NIL

Publications within the year April 2017-March 2018-04-29 : 2 in National and 4 International Journals.

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.

Workshop during 25.03.18 to 31.03.18. at the dept. on Livestock Management and Organic Farming.

A brief history on the development the Bhavana / Sadana /Vibhaga concerned with an indication of the future plans for development. The Dept. is in developing stage.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included: Re-established The Model Dairy and Poultry Farm from June'2017

PATHA BHAVANA
(INSTITUTE OF PRIMARY, SECONDARY &
HIGHER SECONDARY EDUCATION)

National and International Standard (Conference/Seminars/Workshops/Exhibitions etc. attended by Teachers in details.

Seminar and Paper presentation:

Priti Nartiand

- i. National Seminar, Entitled A Conclave on Folk and Tribal Art & Performances of Bengal and North East., held on 17-18th November 2017, Organised by - Lalit Kala Academy & Kala Bhavana, Topic of the paper - Indigenous Designs of the North-Eastern Tribes of India.
- ii. International Seminar, Entitled - Antarjatic Bangiya Sahitya Sanskriti Sangsader Lekhak-Silpi Sammilani, held on - 17-19 January, 2018, organised by Bangiya Council for Literature & Culture, Topic of the paper - Sahitya Bhavana.

Publications within the year April 2017-March 2018:

Kishore Bhattacharya : Edited by Khoai Magazine, vols. xxix, xxx, xxxi, xxxii

SIKSHA-SATRA
(INSTITUTE OF HIGHER SECONDARY EDUCATION)

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

Gargi Ghosh

Conducted an intercultural theatre workshop held at 'Grundschule unter dem Regenbogen' in Berlin, Germany from 14/05/2017 to 04/06/2017.

Dibyendu Mondal

Participated in a workshop on 'Speech Technology Solutions for Low-resource Indian Languages (STeSLI-2018)', organized by Bhasha Bhavana, Visva-Bharati, in association with CDAC, Kolkata, on 17 March 2018, held at Santiniketan.

i) Name of the Teacher ii) Name of the Project, iii) Sponsoring Agencies, iv) Amount Sanctioned

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

In January 2018, the students of Class XI visited Vizag as a part of an educational tour.

The NSS Unit of Siksha-Satra actively participated in the International Yoga Day, Swachhata Pakhwara from 1 August to 15 August 2017, Tree Plantation Programme on 8 August 2017, Independence Day Celebration, Blood Donation Camp on 4 September 2017, Republic Day Celebration, Gandhi Punyaha on 10 March 2018 and Swachha Bharat Abhiyan throughout the year. NSS volunteers were actively engaged in Pous Mela 2017, Vasantotsav 2018 and Magh Mela 2018 to maintain law and order. A village camp was organized at Moledanga, a village near Sriniketan from 25 March to 31 March 2018. The NSS volunteers were effectively involved in regular cleaning programmes.

Annual Craft Exhibition was organized from 27 October to 31 October 2017 at Nandan, Kala Bhavana. Students displayed their wood work, leather work, sculpture, batik work, weaving product, painting, electrical and sports models.

NCC cadets of Siksha-Satra were involved in different activities throughout the year. They participated in the Republic Day and Independence Day parade in Visva-Bharati and won the Champion trophy. 12 cadets passed the A Certificate examination. 17 cadets attended CATC camp. Some of our cadets were awarded as Best Cadet, Best Leader, Best Disciplined and Obedient Cadet.

The dance drama 'Shyama,' composed by Tagore, was performed by the senior students during 25 vaisakh 7th May 2017 at Santiniketan as well as in Rabindra Sadan, Kolkata during 'Kobi Prayan Paksha'.

On the occasion of World Photography Day on 19 August, a photography exhibition was organized where photographs captured by our students were displayed.

On Rajbhasha Diwas on 14 September our students staged 'Dakghar,' a play by Tagore, in Hindi. Students recited and sang in Hindi.

On 23 October our students presented one cultural programme, titled 'Rituranga,' on Doordarshan. The play 'Sampatti Samarpana' by Tagore and 'Bhagavana Tumi Kothaya,' an Odia play in translation,

were performed during Sarodotsava 2017 at Natyaghar, Santiniketan.

Students of Siksha-Satra won the First Prize in a Quiz Competition, organized by the Ministry of Culture, Government of India, and Visva-Bharati, held at Rathindra Guest House, Santiniketan, on 20 October.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.): Nil

Publications within the year April 2017 - March 2018. i) Text books, ii) Other books, iii) Monographs, iv) Research Papers. (Author(s), title of Paper, year Journals: National/ International:

Designing New Course/ Curriculum or any other teaching innovations introduced by the Department. Siksha-Satra has introduced 2 years Pre-Degree programme from the academic year 2009-10. The Institute has plans to improve the existing infrastructure for the students and provide better scope for teacher-student interaction. There are plans to provide platform for the students to bring out their talents in the fields of music, fine-arts and other performing arts apart from other activities. Organizing regular workshops and seminars by the students in different subjects will be a part of the future curriculum of the Institute.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

Siksha-Satra, an integral part of Visva Bharati, was established on 1 July 1924 as an experimental institute at Santiniketan at the residence of Santosh Chandra Majumder who was also entrusted with the administration of the Institute. After his sudden demise in 1926, Siksha-Satra was shifted to Sriniketan under the charge of Palli Sangathan Vibhaga in the year 1927.

Rabindranath had rightly conceived that Siksha-Satra would perform the most significant function of Sriniketan, in helping students to the attainment of manhood complete in all its various aspects. Accordingly, Siksha-Satra plays a key role to fulfil Tarore's dream. The primary objective of Siksha-Satra was to educate one's limb and mind not merely to be in readiness for all emergencies, but also to be in perfect tune in the symphony of response between life and the world. The Poet confesses, '... I myself attach much more significance to the educational possibilities of Siksha-Satra than to the school and college at Santineketan which are everyday becoming more and more like so many school and colleges of this country: borrowed cages that treat students' minds as captive birds whose sole value is judged according to the mechanical repetition of lessons prescribed by an educational dispensation foreign to the soil.' He had visualized that the 'Poet's School' would one day realize his dreams.

Mahatma Gandhi came to visit Siksha-Satra in 1925 and became so pleased with its activities that he wanted to borrow the services of the Headmaster of Siksha-Satra for giving shape of his own plan of Basic Education. The Basic Education of Mahatma Gandhi started in the year 1937. The activities of the students of Siksha-Satra and the ideals of Rabindranath inspired Gandhi to think in terms of Basic Education.

Regarding the curriculum of Siksha-Satra, there was no specific syllabus (or recommended books). There was freedom of learning Literature, Mathematics, Agriculture, Animal Husbandry, Music, Drawing, Modelling, Weaving, Nature-study and Health and Hygiene. The School was entirely

residential and the students had to perform all the chores of the hostel like shopping, keeping accounts, cooking and making the environment clean. Achieving efficiency in any of the craft subjects by the students was remunerated by providing job opportunity. From 1924 to 1940 various educational experiments were undertaken as far as the activities in Siksha-Satra were concerned. However, pressure for formal education from the guardians of the students during the Forties reshaped the educational pattern here and formal course of study and books were recommended sometime after this period. Visva-Bharati became a University in 1951 by an Act of the Parliament which brought a significant change in the educational structure of Siksha-Satra. In 1954 a non-residential, aided, girls school was merged with Siksha-Satra and it was converted into Class-X School. New subjects of study were introduced in the syllabus. The first batch of students from Siksha-Satra appeared in the Higher School Certificate Examination of Visva-Bharati in 1962. Apart from the students from local villages several students from urban areas started joining Siksha-Satra. Non-Residential students were also admitted to the School which changed the initial structure of imparting education. Admission to the residential students were stopped during 1972 because of political instability and from 1976 Siksha-Satra became a fully non-residential School. In 1982 Siksha-Satra became an independent unit gaining its complete administrative control. The Junior Division of NCC unit was opened at Siksha Satra in 1982. In 1988, Santosh-Pathshala, the Kindergarten section at Sriniketan was opened under the administrative control of Siksha-Satra which later became an integral part of the Institute.

In respect to objective, curriculum, pedagogy and methodology, Siksha-Satra today functions as a non-residential institution parallel to the other Institute at Santiniketan under Visva-Bharati offering several subjects of study unique to its nature. The students of Siksha-Satra appear in the School Certificate Examination after Class-X and Pre-Degree Examination after Class-XII conducted by Visva-Bharati. Still now, apart from formal education, students also learn weaving, wood work, agriculture, artistic handicraft, painting, modeling. Dance and music classes also play a vital role to nourish the concept of complete education.

Future Plans :

Siksha-Satra aspires to become one of the leading centers for school education. It envisages some major initiatives like provisions for residential facilities for the students, upgrade games and sports facilities, a self sufficient laboratory unit, structural extension for holding classes, considerably larger teacher rooms, a language laboratory and a seminar hall.

It is heartening to know that Siksha-Satra has a new science building with laboratory constructed a few years back. However, modern equipments have to be procured for providing classes X - XII proper laboratory facilities. We expect, in this academic year we will be able to provide our students with necessary amenities for experiment based subjects.

Residential Facilities: One of the pre-conditions for establishing Siksha-Satra was to make it fully residential in nature. Tagore had a vision of establishing a school where young learners will come in close contact with nature and grow up with the guidance of teachers and other members of the institution. Therefore we have a plan to make Siksha-Satra a fully residential school by providing hostel facilities for about 900 students.

Games Complex: Siksha-Satra has a plan to build a separate games complex inside the periphery of the school comprising of a concrete basketball ground, multi-gymnasium and a football and a volleyball ground. The fencing of the Siksha-Satra ground is in progress. Temporary cricket pitch is also set up on the said ground.

Laboratory: Siksha-Satra has plans to develop fully equipped laboratory for Geography, Physics, Chemistry and Life Science to provide learning facilities to the students of classes IX to XII. A gas plant unit for chemistry will also be set up shortly.

Language Laboratory: It has been our long time plan to develop an English language laboratory to provide better learning potential for the students.

Computer Laboratory: A fully equipped computer laboratory will be set up for the senior students.

Library: Siksha-Satra has plans to set-up a new library with all essential provisions for the students.

Toy Museum: A toy museum will be set up for the KG Students of Santosh Pathasala.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included:

OTHER ACADEMIC CENTRE RABINDRA-BHAVANA

Rabindra Bhavana is the greatest repository of Rabindranath Tagore's manuscripts, photographs, paintings and personal belongings and attracts tourists and research scholars from all over India and abroad. It comprises an archive, a library and an Audio-Visual Photo-Archive and Reprographic Unit to cater to the needs of Tagore researchers and scholars throughout the year. The museum with galleries exhibiting panels and artefacts on Rabindranath's life and works and his five residential houses inside Uttarayana complex have been the focal point of attraction for tourists all over the world. A preservation unit has been formed to restore and conserve Tagore manuscripts, rare books and periodicals and paintings. Santiniketan Griha, built in 1863 by Maharshi Debendranath Tagore happens to be the oldest building in Santiniketan and has been converted into a museum in 2008. The Lipika manuscriptorium and adjacent auditorium established in 2004-05 also falls under the jurisdiction of the Rabindra-Bhavana administration. The details of the work performed by these units in the financial year 2017-18 is given below.

The Rabindra-Bhavana Archive

The Rabindra-Bhavana archive is considered to be the largest repository of Tagore's original manuscripts, correspondences and paintings gifted by Tagore connoisseurs from all over the world. The archive is the focal point of activities related to Tagore research. A total of 125 academicians and researchers from different parts of the country and abroad visited the archive during the year. Presently the unit is serving the academicians and scholars by providing digitized images (DVDs with JPEG and TIFF images) for research purpose and exhibitions. Original documents are being preserved in the Rabindra-Bhavana in an environment-controlled strong room.

For a more effective use of the entire archival resource, preparation of catalogue in descriptive form is an urgent necessity for the benefit of Tagore scholars. The unit has already completed the first part of descriptive cataloguing of Additional Collections (Catalogue 15), and is in the process of cataloguing the second part. A revised edition of Catalogue 13 (Abstract Catalogue) is also being prepared for publication. The Rabindra- Bhavana Archive organizes a series of in-house exhibitions on the life and works of Tagore by selecting and providing materials. Listing and cataloguing of Copy-Files (containing photocopies of archival materials received from various sources) is also under progress.

Besides, the unit is planning to compile and edit the entire corpus of Rabindranath's correspondences and poems in English.

Services rendered

Sl. No.	Description	Activity/Remarks
1	Number of scholars/ researchers attended.	136
2	Number of DVDs/ photocopies of letters issued to scholars/ researchers	730 DVD (JPEG)
3	Information rendered to scholars/ researchers/ users including registered scholars/ users	200 occasions
4	Telephonic/ mobile/ e-mail information rendered to scholars/ researchers/ users on different times.	120 occasions
5	Number of manuscripts cleaned	50
6	Print-outs given to scholars/ researchers/ users	200
7	Number of images from JPEG transferred in CD/DVD/ pen drive for scholars/ researchers/ official purpose.	350
8	Number of DVDs transferred to external hard drive in TIFF format	450
9	Monitoring of the Strong Room/ Recording & monitoring of relative humidity and temperature	At least twice everyday

Audio-Visual Photo-Archive and Reprographic Unit

The Audio-Visual and Reprographic Unit has in its holdings the poet's voice recordings in wire, tape, spool and disc. It has negatives of photographs from our photo collection, CD/DVD (audio and video), contemporary digital photographs, colour slides, microfilm negatives, VHS and mini DVD cassettes of video coverages. Films based on Tagore's stories and poems depicting Tagore and Santiniketan are preserved here. Gramophone discs and audio-cassettes of Tagore's songs (Rabindrasangit) sung by various artists constitute an important part of the audio collection.

This unit has a complete set of colour transparencies and high quality digital images of Tagore's paintings of the Bhavana collection. We also have in our collection high quality digital images of Tagore's paintings acquired from NGMA (New Delhi and Bangalore), Rabindra-Bharati, Indian Museum and Academy of Fine Arts, Kolkata.

Apart from our regular coverage of Visva-Bharati's functions, events and festivals we also document the photo and video coverage of VVIPs who visit Visva-Bharati. At recent past we covered the visits of the Hon'ble Governor of West Bengal Sri Keshri Nath Tripathi; Hon'ble Governor of Tripura Sri Tathagata Roy; the Ambassador of China; the Secretary to Ministry of Agriculture, Government of India; the Principal Secretary, Government of West Bengal; the Consul

Generals of China and Japan to Kolkata; the Chairman of World Parliament Association and the like.

The process of digitization of the Photo Section is under progress. The photographs of Tagore, his family and other eminent personalities of national and international reputation are a growing part of the collection. The work of a digital descriptive data catalogue of the photo- archive holdings has started and is under progress. This catalogue helps the scholars to search photographs in a more versatile manner. Digitization of the museum objects and paintings is also going on.

Unit's routine work (Reprographic and Audio-Visual Unit)

1.	Audio recording (Visva-Bharati functions and festivals, including Visva-Bharati Study Circle seminars):	278 Minutes
2.	Video recording (functions and festivals, seminars etc):	2125 Minutes
3.	Still Photography (functions and festivals):	9681 Images
4.	Digitization of museum objects:	126 Objects & 709 Images
5.	Audio-Video service rendered to the scholars:	1500 Minutes (Approx.)
6.	Print issued from Rabindra-Bhavana A/V Unit:	66
7.	Photographs/ books/ negatives scanned:	362 Images
8.	Arrangement of audio equipment for various programs of Rabindra-Bhavana:	960 Minutes

Unit's routine work (Photo-Section):

1.	Number of scholars attended:	68 Individuals, 4505 Minutes
2.	Digital images on CD given to scholars:	436
3.	Digital images given to different departments of Visva-Bharati:	226
4.	Descriptive Catalogue of photo archive collection:	796 Photos
5.	Digital images (archival) given for RB exhibitions & gallery (exhibitions on Maharshi Debendranath Tagore, Rabindranath Tagore, Sister Nivedita & Romain Rolland):	93

Gift received:

1.	Audio-Video CDs	1
----	-----------------	---

Museum

The Rabindra-Bhavana museum is the first biographical museum and the second university museum of India. One has to visit Santiniketan and Rabindra-Bhavana to see the magnitude of Tagore's work. Rabindra-Bhavana museum collection has a huge number (near about 4385 as on 31-03-2018) of memorabilia, 20% of which are displayed in different galleries inside the Rabindra-Bhavana and Uttarayana complex and the rest are preserved in the museum store and Strong Room. The main gallery displays artefacts and panels on the life and works of Tagore. Besides, there are the Gitanjali Gallery and three other smaller galleries, namely Rathindra Museum at Guhagar-Chitrabhanu, Devendra Kaksha and Dwijendra Kaksha at Santiniketan Griha. Besides, five residential houses of Rabindranath's have already been opened with important memorabilia for tourists.

Exhibitions Organized by Rabindra-Bhavana

Sl. No.	Exhibition	Date	Venue	Inauguration by
1	Rabindranath Tagore and United States of America	April 2017	Vichitra Hall	Mr. Craig L. Hall, Hon'ble Consul Genl., USA, & Prof. Swapan Dutta, Upacharya, Visva-Bharati
2	Sesh Nahi Hey	8 August 2017	Vichitra Hall	Upacharya, Visva-Bharati
3	Rabindranath O Bhagini Nivedita: Sardhashatabarsher Aloke	23 Dec. 2017	Melar Math	Upacharya, Visva-Bharati
4	Maharshi Devendranath Tagore: Dwisatabarsh Phire Dekha	23 Dec. 2017	Melar Math	Upacharya, Visva-Bharati
5	Rabindranath O Romain Rolland: Samparker Smriti	23 Dec. 2017	Melar Math	Upacharya, Visva-Bharati
6	Smarane Barane Satyendra Nath Bose	1 January 2018	Vichitra Hall	Prof. A.Hazra, Regr. Visva-Bharati

No of tourists and visitors to museums (Except VIPs and their escorts and guests from different Departments of Visva-Bharati)

Number of tourists and visitors to have visited the museums during this financial year:

Adult (Indian): 203297

Student (Indian): 60658

Total Number of visitors: 264457

In the last financial year we earned Rs. 88,89,060/- as entry fees from the Rabindra-Bhavana entry counter. In addition we earned a few more lakhs from the sales counter.

Rabindra-Bhavana Library

Rabindra-Bhavana Library is one of the most important units of Rabindra-Bhavana. This library serves mainly the requirements of Tagore researchers from all over India and abroad. The books acquired here are generally about Tagore, his contemporaries and related to Tagore and Visva-Bharati. The library is embellished with books used by the poet, books gifted to him by distinguished personalities of his time, different editions of his works, books on his life and work as well as translated works in different Indian and foreign languages. Moreover, this library holds a wide range of rare journals and periodicals which contain Tagore's writings throughout his life and various journals edited by Tagore.

The Rabindra-Bhavana library has a large number of newspaper-clipping collection from 1912 to March 2018 and another valuable collection in the Library is the pamphlets file. The library is also enriched annually with new gifts and purchased books related to Tagore and his contemporaries.

Particulars in details of the Rabindra Bhavana Library

1. Total number of books as on 31.03.2018: 48370
2. Total number of Gifted books as on 31.03.2018: 733
3. Total number of periodicals as on 31.03.2018: 13785
4. Total number of pamphlets as on 31.03.2018: 1934
5. Total number of books purchased: 86
6. Total number of gifted books: 59
7. Total number of Periodicals purchased: 41
8. Total number of gifted periodicals: 39
9. Total number of gifted pamphlets: 07
10. Total number of registered scholars: 75
11. Total number of user during the year: 1204
12. Total number of materials issued: 2519 (This library is close-access library, providing only Reading Room service)
13. Catalogue and retro conversion work done during the year 2017-18: 500 (approx)

Preservation Unit

This unit takes care of the preservation requirements of old archival materials, rare and brittle books and museum items. Fumigation, pagination, de-acidification, tissue lamination, tissue repair and binding of books are carried out by this unit. This unit is doing an excellent job by way of preserving old Tagore Estate Papers for posterity. The particulars of work done in this financial year are as follow:

Sl. No.	Type of Particulars	Total no. of Books/Others	Total No. of pages	Total No. of Sheets	Treatment
1.	Tissue Lamination	34	6886	3443	P.H. Test, de-acidification and applied conservation process
2.	Tagore Estate Papers	4	1426	713	Fumigation for insect killing, documentation, pagination, de-binding, dry brushing, de-acidification (aqueous and non-aqueous), tissue lamination and repair, serialization, half leather and full cloth binding.
3.	Archival Book Binding	34+4=38			Archival binding process
4.	Book Binding	120			General binding process
5.	News Paper Clippings handmade paper and mark by seal and number	12	1900	950	Mark-wise cutting, dating, pasting on
6.	Binding of paper clipping	11	2100	1050	Full cloth Bindings
7.	Cover Binding	30			General binding with handmade paper
8.	Tissue for Binding Book	120	1520	760	Requirements wise tissue used for Binding Book

- | | | |
|----|---|--|
| 9. | Miscellaneous works,
day to day stitching
for the entire Bhavana
requirements and
occasionally helping
the sales counter | 180 approx
(stitching)
800 approx
(making sets) |
|----|---|--|

Lipika Manuscriptorium

Lipika Manuscriptorium is the Centre for Manuscript Studies and preservation with a collection of more than 12500 Manuscripts pertaining to different languages and archaic scripts such as Sanskrit, Bengali, Oriya, Tibetan, Arabic-Persian and Tamil. Apart from that this Manuscriptorium has a proud possession of old land records of the Surul Zamindars and endowment records of Jaydev Kenduli (Late Mahanta Harikantasarana Deva Brajabasi, Nimbark Ashram). The writing materials of the manuscripts are palm-leaf, teret palm leaf, sanchipat and tulot paper. Some of the manuscripts are exceptional owing to their special textual character. Acquisition of manuscripts, preventive and curative conservation, examination, identification, shelf marking, keeping the items in the stack according to accession number, preparation of hand list, preparation of Descriptive Catalogues, augmenting user activities are some of the regular jobs undertaken by this centre. It has also been imparting occasional demonstration classes on Manuscriptology for university students and scholars. During the period under report 90 scholars utilized the Manuscriptorium for research work. During the period a manuscript entitled Srimadbhagavadgita was received as donation from Sri Anathabandhu Bhattacharya, Vill-Satagharia, via-Tarapith, Dist-Birbhum.

Kalanukramik Rabindra-Rachanabali (Chronologically arranged complete works of Tagore) Project

The project of publishing Rabindra-Rachanabali in chronological order has been taken up by Visva-Bharati in collaboration with the Ministry of Culture, Government of India, and till date six volumes have been published (1281-1299 B.S.). The work on the 7th volume is completed and has been released for vetting. The entire draft of the list of Tagore works has been completed in this year and sent to the Ministry for scrutiny and further financial approval. The work on the 8th volume is in progress. Besides, several meetings have been held in this year for effective implementation and planning so that the project can be completed within the given time frame.

Appraisal Report of SC/ST Cell-2017-18

Visva-Bharati has set up a Special Cell for SC & ST in 1983. Now the Cell is called 'SC/ST Cell'. A Deputy Registrar is posted to look after the activities of the Cell and he is assisted by one Section Officer, two Senior Assistants, one Jr. Office Assistant and a Casual Worker.

The Cell has the following activities:

1. The SC/ST Cell looks after the implementation of the Reservation Policy of Govt. of India in respect of student admission, recruitment of teaching and non-teaching staff, promotion of non-teaching staff, hostel accommodation and quarter allotment.
2. The Cell is maintaining Reservation Rosters and Reservation Roster Registers for teaching and non-teaching posts of the University for reservation for SC, ST and OBC (non-creamy layer) in direct recruitment and for SC and ST in promotion. 100-Point Reservation Rosters have also been introduced for reservation for Persons with Disabilities for all Groups A, B, C & D posts of the University in direct recruitment and for Group C & D of non-teaching posts in promotion.
3. The Govt. of India Guidelines/Circulars regarding the Reservation Policy and other related matters are circulated among all Bhavanas/Offices of the University with approval of the competent authority of the University for strict compliance.
4. The Schemes of 'Remedial Coaching', 'NET Coaching' and 'Coaching for Entry into Services' at UG & PG level have been introduced for SC, ST, OBC (non-creamy layer) and Minority Students of the University as instructed by the UGC under General Development Assistant Grant and a large number of students of these communities is getting benefit from these schemes.
5. The Cell regularly collects and maintains statistical data from various Bhavanas/Offices on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commissions for SC, ST, OBC & PWD/Lok Sabha/Rajya Sabha in the prescribed format from time to time.
6. Any complaints/grievances lodged by SC, ST, OBC & PWD students and employees are timely looked into and brought to the notice of the University administration for their timely and proper redressal.
7. The Cell is also looking after PWD reservation matters.

It may be mentioned that -

A Five-Member Committee has been constituted by the competent authority of the University to monitor strict implementation of the Reservation Policy in respect of admission of SC, ST, OBC and PWD students in all courses of the University.

Dr. Prashant Meshram, Joint Registrar and Accounts Officer, Visva-Bharati and Dr. Sanjoy Ghosh, Joint Registrar, Academic & Research, Visva-Bharati have been appointed respectively as Liaison Officer (honorary) for SC, ST & PWD and as Liaison Officer (honorary) for OBC.

As per UGC guidelines, a Standing Advisory Committee on SC & ST has been constituted by the competent authority of the University to advise the SC/ST Cell regarding implementation of Reservation Policy.

In addition, Committees are constituted by the competent authority of the University as and when required to look into specific matters related to the Reservation Policy of the Govt. of India.

GRANTHANA-VIBHAGA (VISVA-BHARATI)

BOOK RELEASE PROGRAMMES:

9 May 2017 - A book-release programme on the occasion of Rabindranath Tagore's Birth Anniversary was held at Rabindra Bhavana in Santiniketan.

8 August 2017 - A book launch programme of Visva-Bharati Granthana Vibhaga was held at Chataka in Santiniketan on 8 August 2017 to mark the occasion of Rabindra Prayan (22 Sravana).

23 December 2017 - A book-release function was held in front of the Granthana Vibhaga stall at Paush Mela in Santiniketan.

PUBLICATIONS:

1. RABINDRAJIBANI (Vol.1) (Reprint)

Author : Prabhatkumar Mukhopadhyay
Price : Rs.730
ISBN : 978-81-7522-429-2

2. SAHAJPATH (Vol.1) (Reprint)

Author : Rabindranath Tagore
Price : Rs.80
ISBN : 978-81-7522-410-0

3. SAHAJPATH (Vol.3) (Reprint)

Author : Rabindranath Tagore
Price : Rs.100
ISBN : 978-81-7522-056-0

4. SAMKALITA (Vol.1) (Reprint)

Author : Rabindranath Tagore
Price : Rs.60
ISBN : 978-81-7522-006-5

5. GIDAJULI (Translated version of Gitanjali in Chakma) (New)

Editors : Niranjana Chakma and Jogomaya Chakma
Price : Rs.150
ISBN : 978-81-7522-647-0

6. VISVA-BHARATI PATRIKA (Magh-Chaitra, 1422) (New)

Editor : Amitrasudan Bhattacharya
Price : Rs.100

7. KALANTAR (Reprint)

Author : Rabindranath Tagore
Price : Rs.300/-
ISBN : 978-81-7522-118-5

8. RABINDRA RACHANAVALI (Rexine) (Vol.2) (Reprint)

Author : Rabindranath Tagore
Price : Rs.750/-
ISBN : 978-81-7522-436-0

9. BALMIKI PRATIBHA (KALANUKRAMIK SANKALAN) (New)

Author : Rabindranath Tagore
Price : Rs.1,200/-
ISBN : 978-81-7522-657-9

10. BOSTUSWARUP O SWAYAMPURABHA SAMBIT (New)

Author : Dwijendranath Tagore
Price : Rs.350/-
ISBN : 978-81-7522-659-3

11. GIDAJULI (GITANJALI TRANSLATED IN CHAKMA) (New)

Author : Rabindranath Tagore
Price : Rs.150/-
ISBN : 978-81-7522-647-0

12. PRACHIN BHARATE NARI (New)

Author : Kshitimohon Sen
Price : Rs.180/-
ISBN : 978-81-7522-660-9

13. RABINDRA RACHANAVALI (Vol.33) (Rexine) (New)

Author : Rabindranath Tagore
Price : Rs.650/-
ISBN : 978-81-7522-658-6

14. VISVA-BHARATI PATRIKA (Nandalal Basu Sankha) (New)

Special Facsimile Edition

Price : Rs.500/-

15. CHITHIPATRA (Vol.9) (Reprint)

Author : Rabindranath Tagore
Price : Rs.500/-
ISBN : 978-81-7522-529-9

16. RAJA (Reprint)

Author : Rabindranath Tagore
Price : Rs.100/-
ISBN : 978-81-7522-402-5

17. SAHITYER PATHE (Reprint)

Author : Rabindranath Tagore
Price : Rs.160/-
ISBN : 978-81-7522-436-0

18. DRISHTI O SRISHTI (Reprint)

Author : Nandalal Basu
Price : Rs.850/-
ISBN : 978-81-7522-345-5

19. RABINDRA RACHANAVALI (Vol.5) (Rexine) (Reprint)

Author : Rabindranath Tagore
Price : Rs.750/-
ISBN : 978-81-7522-636-4

20. ADHUNIK SAHITYA (Reprint)

Author : Rabindranath Tagore
Price : Rs.180
ISBN : 978-81-7522-107-9

21. CHOKHER BALI (Reprint)

Author : Rabindranath Tagore
Price : Rs.160
ISBN : 978-81-7522-599-2

22. GALPOGUCCHA (Akhanda) (Reprint)

Author : Rabindranath Tagore
Price : Rs.650
ISBN : 978-81-7522-175-8

23. GORA (Reprint)

Author : Rabindranath Tagore
Price : Rs.330
ISBN : 978-81-7522-268-7

24. JIBANSMRITI (Text) (Reprint)

Author : Rabindranath Tagore
Price : Rs.120
ISBN : 978-81-7522-422-3

25. KABYAJIGNASA (Reprint)

Author : Atulchandra Gupta
Price : Rs.65
ISBN : 978-81-7522-447-6

26. SVARABITAN (Vol.16) (Reprint)

Author : Rabindranath Tagore
Price : Rs.200
ISBN : 978-81-7522-001-0

27. SVARABITAN (Vol.45) (Reprint)

Author : Rabindranath Tagore
Price : Rs.110
ISBN : 978-81-7522-510-7

28. SVARABITAN (Vol.47) (Reprint)

Author : Rabindranath Tagore
Price : Rs.150
ISBN : 978-81-7522-495-7

29. SVARABITAN (Vol.53) (Reprint)

Author : Rabindranath Tagore
Price : Rs.100
ISBN : 978-81-7522-517-6

30. SVARABITAN (Vol.59) (Reprint)

Author : Rabindranath Tagore
Price : Rs.130
ISBN : 978-81-7522-458-2

31. TEENSANGI (Reprint)

Author : Rabindranath Tagore
Price : Rs.150
ISBN : 978-81-7522-423-0

32. HITOPODESHER GALPO (Revised Edition)

Author : Rajsekhar Basu
Price : Rs.120
ISBN : 978-81-7522-663-0

33. MUKUL (Revised Edition)

Author : Rabindranath Tagore
Price : Rs.50
ISBN : 978-81-7522-666-1

34. RABINDRA SAPTAHA BHASAN (1423) (New)

Editor : Indrani Mukhopadhyay & Amartya Mukhopadhyay
Price : Rs.200
ISBN : 978-81-7522-661-6

35. VISVA-BHARATI PATRIKA (Rabindra Satabarshapurti) (New)

Price : Rs.500

36. VISVA-BHARATI PATRIKA (Baisakh-Ashar 1423) (New)

Editor : Amitrasudan Bhattacharya
Price : Rs.100

37. LIPIKA (Reprint)

Author : Rabindranath Tagore
Price : Rs.110
ISBN : 978-81-7522-418-6

38. SVARABITAN (Vol.8) (Reprint)

Author : Rabindranath Tagore
Price : Rs.100
ISBN : 978-81-7522-138-3

39. SVARABITAN (Vol.49) (Reprint)

Author : Rabindranath Tagore
Price : Rs.150
ISBN : 978-81-7522-566-4

40. UPANISHADER BHABADARSHA O SADHANA (Reprint)

Author : Jogiraj Basu
Price : Rs.120
ISBN : 978-81-7522-665-4

PARTICIPATION IN BOOK- FAIRS

1. Rabindrasadan Book Fair 2017 from 12 to 24 May 2017
2. Jamshedpur Book Fair 2017 from 10 to 19 November 2017
3. Kalyani Book Fair 2017 from 02 to 11 December 2017
4. Konnagar Book Fair 2017 from 08 to 17 December 2017
5. Pous Mela 2017, Santiniketan from 23 to 28 December 2017
6. Rabindra Tirtha Book Fair 2018 from 04 to 14 January 2018
7. Delhi World Book Fair 2018 from 06 to 14 January 2018
8. Little Magazine Book Fair 2018 from 11 to 15 January 2018
9. Visva-Bharati Book Fair 2018, Lipika, Santiniketan from 26 to 28 January 2018
10. Narendrapur Book Fair 2018 from 26 to 29 January 2018
11. Kolkata Book Fair 2018 from 31 January to 11 February 2018

SALE STATEMENT

Gross Sale in the year 2017-18: Rs. 2,51,90,636.75

Net Sale in the year 2017-18: Rs. 1,78,85,576.64

INDIRA GANDHI CENTRE

Indira Gandhi Centre for National Integration was established as a part of Visva-Bharati in 1986 with funding from the UGC to infuse Tagore's idea of universal brotherhood. The first coordinator of Indira Gandhi Centre was Dr. Pijush Mukherjee. Indira Gandhi Centre acts as the nodal organization to promote national integration. Its past records show that the Centre tried to disseminate the idea of integration through short projects on integration undertaken by the Research Associate, organizing seminars and workshops, musical concerts, competitions and publishing scientific papers. Now Indira Gandhi Centre with its prominent responsibility tries to maintain multidimensional formats like researches, publications and new training programmes. New responsibilities include musical and non-musical bonanzas to promote national & international understanding, extending its hand to Foreign Students Assistance Cell, and so it has stepped a bit towards its goal.

Activities during the year:

- i) With the Films Division, Govt. in India and Indira Gandhi Centre jointly organized a four days International Documentary Film Festival from 30.10.2017 - 02.11.2017 at Lipika Auditorium. Twenty one (21) films were screened on that occasion. The festival was inaugurated by Hon'ble Governor & Pradhana of Visva-Bharati Sri Kesari Nath Tripathi. Among the eminent guests who were present were Smt. Swati Pandey (Director, Films Division), Sri. Asok Parmar (Joint Secretary Films Division, Ministry of Information & Broadcasting), Sri. Goutam Ghose (Eminent Filmmaker), Sri. Adoor Gopalakrishnan (Eminent Filmmaker), Sri. Mike Pandey (Eminent Documentary Filmmaker & Green Oscar Winner) and Sri. Haoban Paban Kumar (Eminent Documentary Filmmaker).
- ii) Films Division of India (Documentary) conducted a workshop on making of documentary films, Experts from Films Division of India as well as Satyajit Roy Institute of Films & Television Kolkata took part on this documentation. The experts taught the students participants about camera holding, editing, writing of screen play. The participating students in this film workshop prepared two short documentaries namely, Master Stroke, a 25 minutes documentary film narrating the life and works of eminent sculpturist Sri Ram Kinkar Baij, and Araley, a short 5 minute documentary film.
- iii) Twenty first February, now recognized worldwide as the 'Mother Language Day '(মাতৃভাষাদিবস). Indira Gandhi Centre and Foreign Students' Assistance Cell jointly celebrated this important and auspicious day. In the morning of this auspicious day a procession comprising of the foreign students from different departments of Visva-Bharati and the staff members of Indira Gandhi Centre started from UpasanaMandir and ended at Lipika Auditorium. Celebration was done through singing by the foreign students, by the students from foreign language departments, dance recitals by the Bangladeshi students, and recitations by the foreign students. A cultural evening was arranged by the foreign students at Lipika Auditorium. Songs, recitations, dance and instrumental music were the main items of that cultural evening. Before the cultural programme Professor Raahman Choudhury from Dhaka, Bangladesh gave a talk on the contribution of Bangladesh in the movement of Mother tongue.

Ongoing Research Projects in the Department

Name of the Project: "Concept of Main Stream" context India (Tribal). This project is cared by "Research Associate" (Anthropology)

Extension activities/NSS/Cultural and Other activities organized by the Department and Participated by the Teachers and Students of the Department**Indira Gandhi Centre houses**

- (i) The Foreign Students' Assistance Cell
- (ii) Documents pertaining to all MoU(Memorandum of Understanding) of Visva-Bharati with other institutions
- (iii) to provide some rooms for classes for CMELLCS until 2017.

Publication within the year April, 2017- March, 2018

Monograph: "Development & Change among the Tribes and Minorities" edited by Mita Sarkar Das & others.

SC/ST (SCHEDULED CASTE/SCHEDULED TRIBE) CELL

Visva-Bharati had set up a Special Cell for SC & ST category students and staff in 1983. Now the Cell is called 'SC/ST Cell'.

A Deputy Registrar is posted to look after the activities of the Cell and he is assisted by one Section Officer, two Senior Assistants, one Jr. Office Assistant and a Casual Worker.

The Cell has the following activities:

1. The SC/ST Cell looks after the implementation of the Reservation Policy of the Govt. of India in respect to student admissions, recruitment of teaching and non-teaching staff, promotion of non-teaching staff, hostel accommodation and staff-quarters allotment.
2. The SC/ST Cell rigorously maintains Reservation Rosters and Reservation Roster Registers for teaching and non-teaching posts of the University for SC, ST and OBC (non-creamy layer) employees in case of direct recruitment and for SC and ST employees in case of promotions. 100-Point Reservation Rosters have also been introduced for reservation for Persons with Disabilities for all Group A, B, C & D posts of the University in cases of direct recruitment; and for Group C & D of non-teaching posts in cases of promotion.
3. The Govt. of India Guidelines/Circulars regarding the Reservation Policy and other related matters are circulated among all Bhavanas/Offices of the University with approval of the competent authority of the University for strict compliance.
4. The Schemes of 'Remedial Coaching', 'NET Coaching' and 'Coaching for Entry into Services' at UG & PG level have been introduced for SC, ST, OBC (non-creamy layer) and Minority Students of the University as instructed by the UGC under General Development Assistant Grant and large numbers of students of these communities are getting benefit from these schemes.
5. The SC/ST Cell regularly collects and maintains statistical data from various Bhavanas/Offices on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commissions for SC, ST, OBC & PWD/Lok Sabha/Rajya Sahba in the prescribed format from time to time.
6. Any complaints/grievances lodged by SC, ST, OBC & PWD students and employees are timely looked into and brought to the notice of the University administration for their timely and proper redressal.
7. The SC/ST Cell is also looking after PWD reservation matters.

It may be mentioned that -

A Five-Member Committee has been constituted by the competent authority of the University to monitor strict implementation of the Reservation Policy in respect of admission of SC, ST, OBC and PWD students in all courses of the University.

Dr. Prashant Meshram, Joint Registrar and Accounts Officer, Visva-Bharati and Dr. Sanjoy Ghosh, Joint Registrar, Academic & Research, Visva-Bharati have been appointed respectively as Liaison Officer (honorary) for SC, ST & PWD and as Liaison Officer (honorary) for OBC.

As per UGC guidelines, a Standing Advisory Committee on SC & ST has been constituted by the

competent authority of the University to advise the SC/ST Cell regarding implementation of Reservation Policy.

In addition, special committees are constituted by the competent authority of the University as and when required to look into specific matters related to the Reservation Policy of the Govt. of India.

CENTRAL LIBRARY

Visva-Bharati Library Network

The Visva-Bharati Library Network comprises the Central Library, 12 Sectional (Bhavana) Libraries and 30 Seminar Libraries. All the libraries in the system are fully automated and networked. Though located at various places across the two campuses, they function virtually as a single unit. During the last academic year the 125th birth anniversary of Prabhat Kumar Mukhopadhyay, the founder Librarian of Visva-Bharati Library has been observed on 28 July 2017; L-search Mobile Apps have been procured for browsing catalogue of library collections by the users through android cell; and Physical Stock (Book) Verification of Central library, all Sectional Libraries as well as Seminar Libraries have been completed through out-sourcing agency; More than 2900 logins have been created to ensure easy and quick access of full texts and digitized resources through National Digital Library (NDL: <https://ndl.iitkgp.ac.in/>); Article Delivery services have been introduced; Article Indexing has been initiated to enable users to browse articles of the journals; a two-day workshop for research scholars and faculty members on Research Methodology and Library Resources & Services including Plagiarism Checking; etc.

Annual Report of the Central Library for the period 2017-18 (1st April 2017 to 31st March 2018)

1. Total Number of Books /Periodicals added during the Year 2017-18	
a) Books purchased (Print: From CL Grant-3367 + SAP grant-215)	3,582
b) E-books purchased (Perpetual) & subscription	Nil
c) Books received as gift	199
d) Total books added during the year (a+c)	3,781
e) Titles of journal subscribed (for Central Library 254 [including 55 Magazines, and 21 Newspapers] and for Sectional Libraries 180)	434
f) Issues of journals received as gift	11,250
g) CD/DVDs (contained in journals) subscribed	25
2. Total Number of Books / Periodicals accessioned as on 31. 03. 2018	
a) Books: Purchased	4,32,886
Books: Gift	9,287
Total Books (Print)	4,42,173
E-Books: Purchased	NIL
E-Books- Subscribed	1,15,000
Total E-Books	1,18,836
b) Accessioned Issues of Journals & Newspaper (Subscribed)	14,927
c) Accessioned Issues of Journals (Gift)	11,250
d) Accessioned for Bound Journals	1041
e) Article Indexing:	

No of Journals	20
No of Articles	1131
3. Total Number of Books transferred to Departmental/ Sectional Libraries Seminar Libraries	206
4. Issue and Return of Books/ Periodicals	
a) Books (Issued)	30,566
b) Books (Returned)	27,450
c) Books consulted at Reference Section (Ref. Doc., Gen. Stack doc.)	654
d) Books consulted at Reading Room	1,654
e) Periodicals consulted (loose issues, bound volumes & online)	24,743
5. Photocopy Services with number of documents and pages	
a. Photocopy of loose issues (Periodical)	57 (806 pages)
b. Photocopy of documents from Stack and Reference	106 (2,076 pages)
6. Other Modern Technology-based Services	
a) Total users accessed library website	141451
b) Number of CD / DVD consulted at Periodical Section	50
c) Total users Browsed E-Journal / Database at Periodical	10136
d) Total UGC-INFONET e-journals full-text downloads or views by users	124419
e) Total Users Used OPAC search Facilities	30042
f) Inter Library Loan service through DELNET & BCL	10
g) Article Delivery Services through e-mail to the academics	101
h) Number of document digitized on readers' request	12
i) Total pages digitized on readers' request	371
7. Total Hits of JCCC@INFLIBNET and J-Gate Browsing	
a) Inlibnet	124419
b) JGate+	9091
c) Sage online journals	1977
d) Indiastat	5081
8. Membership for Inter - Library Loan (ILL) / Document Delivery Service (DDS)	
American Library, Kolkata	
British Council Library, Kolkata (More than 7,000 e-journals and 1,00,000+ e-books)	
DELNET, New Delhi	
JCCC@INFLIBNET	
Indiastat.com	
J-gate (More than 37,000 e-journals)	
Odia Patra Patrika Sangraha (Digital Compilation of Odiya Periodicals)	1856 - 1950
9. Library Members*	
Total Registered Members	26,915
(Teachers - 789, Scholars - 2470, Students - 22688, Staff - 833, Others -135)	
Total number of Readers who visited Reading Room	13,676
Total number of Readers who visited Periodical Section	24,743

(Including 10,136 for surfing e-resources, 2,288 for Current Journals and 316 for these consultation)

Total number of Readers who visited at Reference Section	5,201
Total number of Readers who used the Stacks	30,493
Total number of users who accessed the library resources through library home page (172.16.2.2)	1,41,451

10. Library Hours

a. On weekdays [except weekly off days (Wednesdays and Sunday)* and holidays]: 7.00 a.m. - 9.00 p.m.

b. Weekly off days* - Wednesdays, Sundays: 10.00 a.m. - 5.00 p.m.

*Weekly off days changed to Wednesday and Thursday from 01/01/2018

c. Other holidays: 10.00 a.m. - 5.00 p.m. (Only Reading Room)

d. Total no. of days Library was open in the year: 346 days [a) 239 days regular/2-shift days + b) 95 days Weekly off-days/one-shift days + c) 12 days other holidays one shift only reading room.

11. Documents Processing

(Books Classified & Catalogued and added to the Catalogue database by Central Library by using library software (LibSys) during 2017-18)

Books (Purchased)	3,065
Books (Received as Gift)	199
Retro-conversion/ Editing/ Updating	483
Total number of Books catalogued	3,746

12. Braille Unit

No. of User No. of days / times visited Used time (in hour) 16458 786

Braille Unit at Central Library is operational since August 2012. A second Braille Library Unit has also been functional at Vinay Bhavana Library since 21 February 2014.

13. Publications

a) Monthly Library e-Newsletter (12 issues released)

b) Library Bulletin 'Current Periodicals-2018' for Visva-Bharati subscribed Journals.

14. Exhibition of Books, Digitization and Celebrations:

a) 26 exhibitions of books and allied materials on important personalities were organized in the Reference Section.

b) Uploading of digitized books on the Library Homepage (server) has been fully completed. Linking of Digitized books through NDL is under process. Theses available in softcopy are being uploaded regularly on receipt from the Examination Section.

c) Celebrations: Gandhi Purnima (10 March 2017); 125th birth anniversary of Sri Prabhat Kumar Mukhopadhyay (28 July 2017), 125th year of Swami Vivekananda's Chicago Speech (20 September 2017) The Library Day (20 December 2017); Swachha Bharat Abhiyan (2 October 2017).

15. Library Automation:

Visva-Bharati Library is connected with the Campus-wide Fiber Optic Network named GitanjaliNet (INFLIBNET). The library system has 164 PCs, 46 printers (including 2 network printers cum copiers, 1 slip printer and 22 barcode printers), one document camera, one web camera, one digital

camera, two LCD Projectors at its Central Library and 12 Sectional Libraries. Library offers services and facilities of browsing e-journals, online-databases, e-books to its users. On-line searching, e-mail facilities for academic and research purposes, etc. are also provided by the Library.

Library Management Software LibSys-7 (Unicode Web compliant) is being used for automating the library activity and services. All day-to-day library operations and services i.e. acquisition of library documents, cataloguing, serial control, circulation, OPAC, e-mail alert on overdue books etc. are going on smoothly on this Library Management Software. Library catalogue database covering almost the total holding of Central Library, other Sectional Libraries and Granthan Vibhaga are accessible now on Intranet (<http://172.16.2.2:8380/opac/>) / (<http://14.139.211.2:8380/opac/>). Presently, Visva-Bharati Library catalogue database holds 5,71,608 titles of documents containing 7,25,833 individual accession numbers including 26,461 bound volumes of journals and 2875 (2,492 title) theses. Number of 'Current Periodicals-2018' contains 178 titles, 55 magazines, and 21 daily newspapers, etc. In addition, e-books have been added to the collection (3,836 titles in perpetual mode and 1,15,000 titles through various consortia) from world famous publishers/ aggregators (Elsevier, Cambridge Online, Springer, Sage, Taylor & Francis, Oxford University Press and British Council Library) which have been linked (alphabetically, subject-wise, publisher-wise) in the library web page for browsing from the campus.

Central Library has made an Institutional Repository of syllabi of various courses. Question papers of different examinations held at Visva-Bharati since 2007 are also added to this Institutional Repository. These question papers / syllabi can be accessed, downloaded and/or printed over the Campus Network through Central Library web page. This Institutional Repository is being regularly used by the library members. The Open Archive now contains 132 articles by faculty members.

a. E-Resources:

The library has the following e-resources, which are regularly browsed through Library Home Page (<http://14.139.211.2> or <http://172.16.2.2>).

E-journals through E-ShodhSindhu (INFLIBNET)	8,500 +
Free e-journals from publishers	47 +
E-Books Purchased (Perpetual) & Subscription/consortia	1,18,836
Subscribed e-journals through J-Gate	37,000+
Free online books	869 +
DVDs of Old Digitized Documents	1074
CD-ROMs	620 +
Digitized Books	29,689

b. Databases access facilities

American Library, Kolkata

British Council Library, Kolkata

Cambridge Online

DELNET, New Delhi

Elsevier Science

India Stat.Com

J-Gate
JSTOR
ISID: Inst of Industrial Development
Odia Patrapatrika Sangraha (digital compilation of Odiya periodicals) 1856-1950
Oxford University Press
Springer
Taylor and Francis
Sage Research Methods Online (SRMO)
Indian Citation Index (ICI)

Oxford Reference Spotify

MathSciNet through e-ShodhSindhu (Consortium for Higher Education Electronic Resources)
Seminar/ Workshop/ Exhibition/ other programs organized

28 July 2017. The Library Network organized the '125th Birth Anniversary of Prabhat Kumar Mukhopadhyay' on at Conference Hall, Central Library. Prof. Swapan Kumar Datta, Hon'ble Vice Chancellor, Visva-Bharati inaugurated the event. Dignitaries present included Prof. Suniti Kumar Pathak, former Professor, Dept. of Pali, Prakrit and Sanskrit, Visva-Bharati, Prof. Amit Kumar Hazra, Registrar, Visva-Bharati, Dr. N.C. Saha, Deputy Librarian and Sri Satyabrata Ghoshal, former University Librarian, RBU, Kolkata.

29 July; 5, 12, 18, 25, 26 August; 01, 16, 19 September, 2017. Ten (10) Users Learning Programs on 'How to use Library Resources' were organised for new library members of different departments. Students and faculty members from CJMC, Rural Development, Rural Extension Centre, Social Work, Hindi Bhavana, Sangit Bhavana and Cheena Bhavana attended the program. 29-30 June, 14 July 2017, & 12-13 February 2018. Five (5) Special Sessions were arranged for Library staff, faculty members and scholars respectively.

04, 24-29 August, 15 September and 05 November 2017. Five (5) Demonstration Programs on Indian Citation Index (ICI), Sage Research Methods Online (SRMO), E-resources of Emerald and Oxford University Press, URKUND (Plagiarism Checking Software) were arranged for Library staff, faculty members and scholars respectively.

24-25 November 2017. Two-day Workshop on Research Methodology for faculty members and PhD scholars was organized. The Workshop was jointly coordinated by Sri Ajay Kumar Sharma and Smt. Sabahat Nausheen. Almost all the officers of VBLN were invited to deliver lectures in the Workshop.

12 August 2017. A Special Lecture was arranged on "Ranganathan's Five Laws of Library Science and Tagore's Educational Philosophy: An overview" to observe Librarians' Day, 2017. Dr Partha Pratim Roy, Deputy Librarian, was the speaker and the session was chaired by Prof. Nirmalya Banerjee, Prof.-in-Charge, Central Library, Visva-Bhaarti.

07 April, 15 June & 27 October, 2017; 21 January & 25 March, 2018. Five (05) teams consisting of 156 candidates (including faculty members and students) from different institutes from Bangladesh

(02), Jharkhand, Darjeeling and North Bengal University visited Central Library, Visva-Bharati as a part of their educational tour.

24 March 2018. The LSearch Mobile Apps was launched by Hon'ble Vice Chancellor Prof. Sabujkoli Sen from the Conference Hall, Central Library. On the same day seven titles of books having 343 copies were gifted to the Library by the authors Smt. Kalyani Chakraborty and Dr. Tapas Kumar Chakraborty.

20 March 2018. A meeting of staff of Central Library, scholars and students was held at the Central Library to discuss issues related to making a user-friendly library. The students selected 10 among themselves (named 'Friends of the Library') to act as liaison between Library and students.

28 October 2017. The 'Best Library User Award, 2016 and 2017' was bestowed upon Ms. Firdaus Tabassum, UGC-MANF, SRF, Department of Physical Education, Vinaya-Bhavana, and Ms. Sangeeta Roy, JRF, Dept. of Zoology, Siksha Bhavana, Visva-Bharati respectively. The Conference Hall, Central Library was used as venue for twenty-six (26) functions spread over the academic year.

Conference/ Seminar/ Workshop/ Invited Lecture etc. attended by the Library staff All Staff

19 December 2015. Almost all the staff members of the Visva-Bharati Library Network participated and acted in one or other capacity in the lecture session organized by VBLN, to observe "Library Day, 2017."

24-25 November 2017. All Library Officers delivered invited lectures in the two-day Workshop on Research Methodology for faculty members and PhD scholars.

Nimai Chand Saha

13-14 April 2017. Invited to chair a technical session in the National Seminar organized jointly by the SC-ST-OBC Employees Association of Visva-Bharati in association with Visva-Bharati on "Human Rights and Social Justice." Chaired technical session I.

09 May 2017. Invited as a guest and speaker to a seminar organized by the Bolpur High School, Bolpur on the Occasion of inauguration of e-library and delivered lecture on "Journey Towards e-Library: Walk Carefully."

05-06 July 2017. Invited to chair a technical session in the National Seminar on "Transforming Libraries in Digital India Perspectives" organized by Department of Library and Information Science, Manipur University, Imphal, Manipur. Chaired technical session V on "Open Access Initiatives, Users Empowerment and Capacity Building."

07 August 2017. Invited by the N. S. Polytechnic College to a seminar for the students and teachers of the institute titled "Reality of Life Oriented Education and Successful Profession" and delivered lecture on 'Ground Reality of Life Oriented Education and Successful Profession in the 21st Century.'

18-19 August 2017. Invited to chair a technical session in the two-day International Seminar jointly organized by Visva-Bharati Co-operative Credit Society Pvt. Ltd. and Department of Life Long

Learning and Extension (REC), Visva-Bharati, Santiniketan on "Vision of Rabindranath Tagore on Co-operative Society and Community" and chaired the technical session XII on 19 August.

03-04 November 2017. Invited as Resource Person to the Refresher Course in Library and Information Science at the UGC-HRDC, University of North Bengal, Darjeeling to deliver two lectures respectively on "Disaster vis-à-vis Disorder Management in Libraries: Prospects & Aspects" and "Learners' Expectations and Existence of Academic Libraries: Issues & Challenges."

06 November 2017. Invited to deliver lecture in the Research Methodology Workshop in Social Sciences organized by A. K. Dasgupta Centre for Planning and Development, Visva-Bharati. Delivered lectures on "Reference, Citing and Avoiding Plagiarism" and "Ethical Aspects, Endnote, Footnote and Resource Harvesting for Research."

10-11 November 2017. Invited as guest and to present a paper in the 7th International Science Congress jointly organized by the World Science Congress and Kathmandu University, Nepal. Presented paper entitled "Trends & Developments of Visva-Bharati Library Services: Changes & Challenges."

15 November 2017. Invited to a seminar on "Choice Based Credit System with Special Reference to College Libraries" for the students and teachers of the college and delivered lecture on "Development of College Library Towards Satisfying the Users of CBCS (Changing) Society: What/How Can We..."

24-25 November 2017. Invited as Resource Person to the two-day Workshop on Research Methodology by Visva-Bharati Library Network and delivered lecture on "Bibliography, Reference and its citation as an essential component of Theses and ethical aspects of research including Plagiarism."

20 December 2017. Invited as speaker to State Level Seminar on "Boi Keno Porbo?" organized by Bengal Library Association (BLA) on the occasion of Library Day 2017 at Rammohun Library, Kolkata and delivered lecture on "Why will we read Book?"

24 January 2018. Invited as speaker to the International Seminar DHDS-2018 on "Digital Humanities and Digital Societies in the Contemporary World" organized by the Department of Library and Information Science, Calcutta University. Delivered speech on "Digital Humanities and Digital Societies: Practices at Visva-Bharati Library Network" and chaired a technical session.

28 January 2018. Invited as a guest and speaker to a program organised by Ukhra Vivekananda Utsab Samity to celebrate the birth anniversary of Swami Vivekananda. Delivered lecture on "Role of Youth Society in Nation Building in the light of Philosophy of Swami Vivekananda."

16 February 2018. Invited as a guest and speaker to a seminar organized by the Purbasthali Nilmoni Brahmachari Institution, Purbasthali, Purba Barddhaman on "School libraries in the Changing Context: Existence and Expectations" and delivered lecture on "Strengthening School Library to Satisfy Users expectations: Will e-Resource be suitable."

23-24 February 2018. Invited as speaker/ resource person to the two-day National Seminar on "Role of Library Management in Higher Education" organized by Department of Library and

Information Science, Langat Singh College (A constituent unit of B. R. A. Bihar University), Muzaffarpur, Bihar. Apart from delivering the Special Guest's speech, delivered lecture on "Representing Library for Higher Education in the Changing Society: Existence and Expectations."

26-27 March 2018. Invited to present a paper and chair one technical session in two-day National Seminar on "Learning to Live in Peace: Value Education Inputs for A Better World" organized by the Department of Education, Vinay Bhavana, Visva-Bharati,. Presented paper titled "Role of Library in reaching Value and Peace Education in the 21st Century: Conflicts Between Talks and Works" on 27 March 2018 and chaired the technical session V.

Sharing Expertise, Consultancies, etc. for the development of library

23 June 2017. Visited on invitation Sidho Kanho Birsha University, Purulia, as an expert to provide necessary consultancies for the setting-up and development of the University Library.

26 November 2017. Visited on invitation Khandra College, Khandra, Burdwan as an expert to provide necessary guidance for the development of the college library.

Others

01 September 2017 onwards. Took on invitation from Department of English, Visva-Bharati 10 classes for candidates of PhD / MPhil Course Work for the session 2017-18.

14 September 2017 onwards. Took on invitation from Department of Physical Education, Visva-Bharati, 11 classes for candidates of PhD / MPhil Course Work for the session 2017-18.

01 November 2017 onwards. Took on invitation from Department of Silpa Sadana, Visva-Bharati, 06 classes for candidates of PhD / MPhil Course Work for the session 2017-18.

Award/ Achievements/ Felicitation

14 October 2017. Received LIFE TIME ACHIEVEMENTS AWARD from IRDP Group of Journals, Chennai, India on

18 February 2018. Felicitated by Channel Uttaran Bangla and Anyo Abosar on the Occasion of "Basanta Sammiloni" at the Vidyasagar Memorial Hall, Guskara, Purba Barddhaman.

Sabahat Nausheen

9-11 November, 2017. Presented paper titled "Female Librarians: Reality unveiled" at three-day National Seminar on "Politics of Difference and Relocating Marginality: Reflections in Indian Literature" organized by Bhasha-Bhavana, Visva-Bharati.

27-28 March 2018. Presented paper titled "Information Literacy and Sustainable development" at International Seminar on "Global Peace and sustainable development through Language and Literature: Dreams and Designs."

Others

Member of book selection committee for Rural Libraries under REC, Visva-Bharati.

Sujit Kujur

24-25 November 2017. Acted as a Resource Person to demonstrate on the topic "End Note as Reference Management Tools & Exposure to Web of Science" in two-day Workshop on Research Methodology organised by Visva-Bharati Library Network, Visva-Bharati, Santiniketan.

08-09 December 2017. Presented paper titled "Social Media in Academic Libraries: with Special Reference to Visva-Bharati Library Network" in two-day National Seminar on "Role of Libraries in Promoting Quality Education and Research" organized by Central Library, National Institute of Technology (NIT), Raipur.

Koushik Ghosh

18-19 August 2017. Presented two papers titled "Role of library as a Community Development with special reference to Tagore" and "Community Information Service with special reference to Ruppur Gram Panchayat: a study" (jointly presented with Prasun Kanti Ghosal) in the International Seminar on "Vision of Rabindranath Tagore on Co-operative Society and Community Development" organized by Visva-Bharati Co-operative Credit Society Ltd in association with Department of Lifelong Learning & Extension (REC), Visva-Bharati, Santiniketan.

7-9 November 2017. Presented a paper titled "Public Library as a cultural centre: a case study of Raipur Sadharan Pathagar, Raipur, Birbhum, West Bengal" in the IASLIC 31st All India Conference on "Public Libraries in India in 21st Century" organized by Department of Library and Information Science, Banaras Hindu University in association with Sayaji Rao Gaekward Central Library, Indian Institute of Technology and Library, Banaras Hindu University.

24-25 November 2017. Delivered a lecture as a Resource Person on "Two-Day Workshop on Research Methodology" organized by Visva-Bharati Library Network, Visva-Bharati.

Others

May 26 2017. Acted as a Joint Organizing Secretary for celebration of "Najrul Jayanti" organized by the office of Sub-divisional Information and Cultural Office, Bolpur in collaboration with Bolpur Town Library.

28 July 2017. Acted as an Assistant Organizing Secretary for observation of the 125th birth anniversary of Prabhat Kumar Mukhopadhyay, the founder Librarian of Visva-Bharati Library, organized by Visva-Bharati Library Network, Visva-Bharati.

18-19 August 2017. Acted as an Organising Secretary in the International Seminar on "Vision of Rabindranath Tagore on Co-operative Society and Community Development," organized by Visva-Bharati Co-operative Credit Society Ltd in association with Department of Lifelong Learning & Extension (REC), Visva-Bharati, Santiniketan.

23 January 2018. Acted as a Joint Organizing Secretary for celebration of "Netaji Birthday" organized by the office of Sub-divisional Information and Cultural Office, Bolpur in collaboration with Bolpur Town Club.

Prasun Kanti Ghosal

18-19 August 2017. Presented a paper titled "Community Information Service with special reference to Ruppur Gram Panchayat: a study" (jointly presented with Koushik Ghosh) in the International Seminar on "Vision of Rabindranath Tagore on Co-operative Society and Community Development" organized by Visva-Bharati Co-operative Credit Society Ltd in association with Department of Lifelong Learning & Extension (REC), Visva-Bharati.

Sectional Library

Partha Pratim Ray

Delivered six lectures as Academic Counsellor in Personal Contact Programme (PCP) of BLIS on Computer Basics and Application at School of Professional Studies, Netaji Subhas Open University during the last academic year.

Delivered Six lectures in the Dept. of Library and Information Science, Univ. of Kalyani under invited Lecture Series in the session 2017-18 during the last academic year.

Participated in a discussion to pay homage on the occasion of 2nd Birth centenary of Maharshi Debendranath Tagore conducted by All India Radio. It was broadcasted on 14th and 15th May 2017 by AIR, Kolkata.

Gave an interview to All India Radio on "Rabindranath's Vision of Library and Prabhat Kumar Mukhopadhyay" broadcasted on 28th July 2017 to pay homage to Prabhat Kumar in "Rabikatha" program of AIR.

1 August 2017. Delivered an invited lecture on "Ranganathan's Five Law of Library Science and Tagore's Educational Philosophy" at Central Library, Visva-Bharati, in a program organised to celebrate the 125th birth anniversary of S. R. Ranganathan.

Delivered twenty-seven lectures (one-hour duration each) as Academic Counsellor in the PCP, Dept. of Library and Information Science, Netaji Subhas Open University, Regional Campus, Kalyani for the session 2017-18 during the last academic year.

15 November 2017. Delivered an invited talk on "Library Services: Tagore's vision and Five Laws of Library Science" in the National Workshop on "Capacity Building Programme for Public Library Personnel" at CIRM Kalyani jointly organized by Ministry of Culture, Govt. of India, and University of Kalyani.

19 March 2018. Delivered invited lecture on "Research Ethics Referencing Technique" in National Workshop on "Research Methodology using statistics Tool, Techniques and Packages" at Department of Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Sriniketan.

22 March 2018. Delivered invited lectures on "Public Library Services in Tagorean Perspective of Education and Rural Development" in National Seminar on "Rejuvenation of People's University in Knowledge Society," Department of Library & Information Science, Vidyasagar University, Midnapore.

Others

Appointed as guest faculty for the course no. PGS 501: Library and Information Science, a compulsory paper for M.Sc. (Ag.) at Institute of Agriculture, Visva-Bharati for the academic session 2017-18.

Received Tinkori Dutta Memorial Medal from Bengal Library Association for the year 1423 (B.S.) for 'Publication of Rabindranath Tagore: Bibliometric Search.'

Ajay Kumar Sharma

24-25 November 2017. Invited to deliver lecture on Zotero: A Reference Management Tool" in two-day Workshop on "Research Methodology," organized by the Visva-Bharati Library Network, Visva-Bharati, Santiniketan.

11.02.2018-03.03.2018. Participated in 4th Winter Program (equivalent to Refresher Course) on "Higher Education in Present Perspective" at UGC-HRDC, Banaras Hindu University, Varanasi.

Others

Webmaster of Visva-Bharati Library Network (<http://14.139.211.2/library/index.php> or <http://172.16.2.132/library/index.php>), Visva-Bharati Cooperative Credit Society Limited (<http://vbccsl.org>) and Cheena Bhavana, Visva-Bharati (<http://visva-bharati.wix.com/cbvbs>).

Sanat Bhattacharya

24-25 November, 2017. Invited as a Resource Person and delivered lecture on the topic "Technical Writing" in the two-day Workshop on "Research Methodology," organised by the Visva-Bharati Library Network, Visva-Bharati.

22-23 February, 2018. Presented paper titled "Collection Development of Digital Reference Sources: A Case Study of Visva-Bharati Library System" in the International Seminar on "Rejuvenating Public Library Services Through Digital Reference Sources" organised by the Library & Information Department, Jadavpur University, Kolkata.

Others

28 July 2017. Acted as an Assistant Organizing Secretary for celebration of the 125th birth anniversary of Prabhat Kumar Mukhopadhyay organised by Visva-Bharati Library Network (VBLN), Visva-Bharati.

17. Publications

Nimai Chand Saha

Books

Nimai Chand Saha & Mita Som, College Library Services in the Current Contexts: With Special Reference to Birbhum District, WB. Germany: Lap Lambert Academic Publishing GmbH & Co, KG, 2017. ISBN: 978-3-330-33119.

Articles/ Chapters in Anthologies/ Journals

"Library Users Empowerment in the e-Society: Initiatives at Visva-Bharati University." In Transforming Libraries in Digital Perspectives, eds. Th. Madhuri Devi & Ch. Ibohal Singh. Imphal: Manipur University, 2017, pp. 337-52.

"The Journey of Transforming Libraries from Conventional to Digital: Issues and Challenges." In Transforming Libraries in Digital Perspectives, eds. Th. Madhuri Devi and Ch. Ibohal Singh. Imphal: Manipur University, 2017, pp. 110-27. Co-authored with Nirmalendu Pal.

"Open Access Resources for Rural Development: Is it Really Open." In Dynamics of Rural Librarianship in 21st Century, ed. Ch. Ibohal Singh. Kolkata: Levant Books, 2017, pp. 90-104.

"Progress of Library and Information Science Education in Changing Environment: Indian Perspective." IIST Journal of Advance Librarianship. Vol. 8, no. 1; pp. 51-56. Co-authored with Samayita Dutta.

Others

Acted as an Associate Editor of Monthly Library e-Newsletter during the year 2017-18.

Sabahat Nausheen**Others**

Acted as an Assistant Editor of Library e-Newsletter of Vol. 4, Issue - 09, 10 & 11 (September - November 2017).

Sujit Kujur

"Dr. B. R. Ambedkar: A Man of Vision." In Ambedkar's Thoughts on Dalits, Politics and Women Empowerment, ed. Binay Barman. New Delhi: Kaveri Books, pp.103-116.

Others

Compiled Theses collection, VBLN, 2018

Assistant Editor of the Visva-Bharati Library Network e-Newsletter, Vol. 4, Issue 12 (December 2017) and Vol. 5, Issues 1-2 (January & February 2018)

Member of Editorial Board of the journal The Journal of Social Science and Humanity Research (JSSHR).

Koushik Ghosh

"Visva-Bharati Library Network and its Institutional Repository." In Modern Trends and Services of Libraries in Digital Era, ed. J. Thakuria. Nagaon: Dr Birinchi Kumar Barooah College, 2017, pp. 20-41.

Sanat Bhattacharya

"Sri Haricharan Bandyopadhyay and Visva-Bharati Library: an analysis." Granthagar Journal, Vol.67, No.10, [pp?]

Atanu Kumar Sinha

"Knowledge communication through Rural Library Services: Tagorean Concept and experiments of department of Lifelong Learning & Extension, Visva-Bharati." International Research: Journal of Library & Information Science 7(3), pp. 479-89.

Ajay Kumar Sharma**Others**

Assistant Editor of the Visva-Bharati Library e-Newsletter (January 2017, May 2017 & December 2017 to February 2018 Issues)

Member of the Editorial board of the journal International Journal of Academic Research in Library & Information Science (IJARLIS)

Associate Editor of the journal International Journal of Information Sources and Services (IJSS)

Member of the Editorial board of the journal Sangeet Galaxy

Editor of the journal International Journal of Digital Library Services

CENTRE FOR WOMEN'S STUDIES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.-

No	Name of the students	Sex	Name of the Qualified Examination	Subjects
1.	Kalyan Pramanick	M	UGC NET-JRF	Geography
2.	Krishnapada Pal	M	UGC NET	Bangla
3.	Nupur Saha	M	UGC NET	Geography
4.	Sreesoorya T.R.	F	UGC NET	Social Work

Departmental Seminar (speakers, Title of the Seminar, Date)

03 February 2018. A special lecture delivered by Professor Geraldine Forbes, Professor Emerita, Department of History and Programme in Women's and Gender Studies, State University of New York, Oswego on "The Politics of Rescue: The Anti- Trafficking Movement in India" at Indira Gandhi Centre.

19 February 2018. Professor Blanka Knotkova- Capkova, Associate Professor in Cultural Studies and Head of the Department of Asian Studies, Metropolitan University, Prague, and Department of Gender Studies, Charles University, Faculty of Humanities, Czech Republic delivered a special lecture on "Gender and Literature" at Indira Gandhi Centre.

A special lecture was delivered by Professor Dawn R. Bazely, Biology Department, York University, Toronto on "One Biology professor's campaign against the on-going Unconscious Bias faced by Women in STEM (science, technology, engineering and mathematics) in Canada.

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teacher/Research scholars in details.

Asha Mukherjee, Professor-In-Charge

29 September - 01 October 2017. Participated in the first "Women's Living Hinduism and Islam Project (WLHIP)" workshop held at California State Polytechnic University Pomona. The workshop was sponsored by the International Collaborative Grant received from the Global Religion Research Initiative (GRRI), University of Notre Dame, US.

21-22 September 2017. Participated in The Council for Research in Values and Philosophy (RVP) and The CUA Center for the Study of Culture seminar entitled "Re-Learning to be Human for Global Times: Understanding the Meaning of Being Human Across Cultures and Civilizations" held in Washington, D.C. and presented a paper on "Are Women Person? A moral Concern (Indian Context)"

Tanusree Paul

18 November 2017. Presented paper "Bargaining With Family Blurring Spatial Boundaries? A Case Of New Middle Class Women In Kolkata" in the 3rd International Seminar on "System Dynamics, Human Nature Interaction and Societal Discourses" organized by the Department of Geography, The University of Burdwan, W.B.

10 November 2017. Presented paper "Gender and space in contemporary advertisements: A Critical

Discourse Analysis of A Bengali Women's Magazine" in the International Conference on 'Bengali Journalism: Post Globalization Era', organized by the Department Of Mass Communication, University of Burdwan, W.B.

28-29 November 2017. Acted as Resource person for four Lectures in Gender Workshop at the Department of Geography, Mrinalini Datta Mahavidyapith, Kolkata.

22 and 27 November 2017. Delivered Special Lectures on selected topics of Social and Cultural Geography, (Post - Graduate Level), Department of Geography, Asutosh College, Kolkata.

On-going Research Projects in the Department-

Edited Book project on RIGHTS OF WOMEN: LEGAL and SOCIAL DIMENSION jointly with Shahnaz Begum (to be published, 2019)

Research Project on Women and Development in Birbhum District, West Bengal as part of UNITWIN Network with Boston University

Member of the Project on Women's Living Hinduism and Islam Project (WLHIP), GRRRI (University of Notre Dame International Collaboration Grant to Anjana Narayan, Associate Professor of Sociology at California State Polytechnic University Pomona, US

Swedish-India Intercultural Encounter: Inge Jensen's (Swedish Lady) contribution towards weaving project in Tagore's education program Jointly with Margareta Och Jan-Åke Berg, Uppsala, Sweden.

Extension activities /NSS/Cultural and other activities organized by the Department and Participated by the Teachers and Students of the Department.

The 3-one day outreach programmes were organised among the rural women in selected villages near Bolpur-Santiniketan region namely Chouhatta (Lavpur), Halsidanga, Islampur. These programmes were conducted on 8th March, 15th March and 20th March respectively with the panchayat resource persons, representatives from Gramin Bank, local non-governmental organizations (NGOs) and members of SHGs.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Asha Mukherjee is Member on the Board of Advisors to the Center for the Study of Women Philosophers and Scientists at Paderborn University in Germany headed by Dr. Ruth Hagengruber Book Project contract with European publisher Springer, 2018. She is Executive Council member, Indian Academy of Social Sciences, 2017-18, Executive Council Member, Visva-Bharati, Sept. 2017 to 18 March, 2018, Principal, Vidya-Bhavana, Visva-Bharati (Dean, Institute of Humanities and Social Sciences) for two years from 9 July, 2017-8 July, 2019. She has been Invited and visited UNESCO Headquarter, Paris on March 6-7, 2017 for a meeting of Chairs (one out of 12) sharing experiences in research, training and action programs and advising policy makers, in order to enrich conceptually and strategically the UNESCO Priority Gender Equality Action Plan 2014- 2021.

Publications of core faculty within the year April 2016-March 2017

Asha Mukherjee, Professor-In-Charge, Centre for Women's Studies

"Lay Women in Jainism" and "Women's Rituals in Jainism" in Encyclopedia of Women in World Religions Ed. Susan de Gaia, ABC-CLIO Publishing, 2017.

Tanusree Paul

Article "Public Space and Place: 'New' Middle Class Women and the Gendered Interplay in Urban India," by Saraswati Raju and Tanusree Paul in *Locating Gender in the New Middle Class in India*, Ed. Manjeet Bhatia. Pp. 99 - 128, Publisher: Indian Institute of Advanced Studies, Shimla, India, [ISBN: 978-93-82396-44-4].

Article "Public Spaces and Places: Gendered Intersectionalities in Indian Cities," by Saraswati Raju and Tanusree Paul in *The Contemporary Urban Conundrum*, Eds. Sujata Patel & Omnia Goyal. IIC Quarterly, (Winter 2016 - Spring 2017, Volume 43, Numbers 3 & 4) pp.128 - 138. Publisher: India International Centre [ISSN: 0376-9771]

Article "Postgraduate Nutrition Education in India: What is Being Taught? An Analysis of Course Content," by Shweta Khandelwal, Tanusree Paul and Lawrence Haddad in *World Nutrition*, (Volume 8, Number 2, pp. 264 - 283). Publisher: World Public Health Nutrition Association [ISSN: 2041-9775]

Article "Mapping Gendered Spatialities in Leisure: the Case of New Consumption Spaces in the City of Kolkata" in *Contemporary South Asia*, (Volume 25, Issue 4, pp. 380-398), Publisher: Taylor & Francis Group, [ISSN 0958-4935 (Print); 1469-364X (Online)]

Viewing the National Water Policies of India through a Gendered Lens, Tanusree Paul, *Economic and Political Weekly*, (Volume 52, Issue No. 48, pp. 76 - 84) Publisher: Sameeksha Trust, [ISSN: 0012-9976 (Print); 2349-8846 (Online)]

Common Service Centres and Women's Participation in Education-Related Services in Rural Areas: A Case-Study of North 24-Parganas District, West Bengal, Tanusree Paul and Sudeshna Dutta, *Indian Journal of Rural Education and Engagement*, (October 2017, Volume 1, Issue 1, pp. 23 - 29), Publisher: National Council of Rural Institutes, Ministry of Human Resource Development, Government of India.

Contributed to Post Graduate study materials for E-PG Pathshala (A Ministry of Human Resource Development, Government of India, Project) for Subject: Media and Communication Studies, Paper 08: Women, Gender, Media and Society" in ten modules as follows:

Module 01: Understanding patriarchy (Co-author)

Module 02: Sex and Gender (Co-author)

Module 03: Gender sensitization: Issues and challenges (Co-author)

Module 04: Gender and empowerment

Module 05: Sexual division of labour

Module 09: Gender Stereotypes (Co-author)

Module 21: Media, violence and women

Module 38: Social Awareness on Gender Issues Through Education (Co-author)

Module 39: Postfeminist media culture and its role in the constructions of empowerment and violence against women

Module 40: Gender, geography and communication

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development

The UGC during the XIth Plan took a major initiative to create departments of Women's Studies in educational institutions all-over India to generate awareness and facilitate empowerment of women through education, research and targeted interventions. The Centre for Women's Studies, a product of this initiative, at Visva-Bharati was established in July 2009. It focuses on interdisciplinary research on gender and development. The centre also tries to organise extension works on women and gender questions which has a strong link with the research taken up in the department. Some of the thrust areas of research at the centre are the following: Gendered dimension of development in India: question of education and health, violence against women, the question of agency and policy issues, Girl children in the light of broader developmental goals of India and South Asia, Labour market choices of women and the constrained optimums, Women and conflict and the inside-outside dichotomy and the concept of domesticity. Gender questions are global. Thus the Centre draws its membership from across the disciplines of academics inside and outside the university.

The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The research and teaching at the Centre combine theory and practice with an interdisciplinary and transnational scope. The Centre aims at contributing to theoretical, methodological and pedagogical debates within the study of power dynamics embedded in gender relations in the context of development. In particular, the objectives of the Centre can be broadly classified under two major themes: academic and applied. The Centre offers a regular integrated MPhil/PhD programme on Gender and Development. The M.Phil course is structured in a way that will not only enable a student to do good research for her/his PhD but also make them equipped to take up jobs in the development sector. In future the Centre has plans to start campus interviews.

The Centre organises public lectures, research seminars and workshops. These often engage the community, not only the students and the faculty, but also the people around from different walks of life in a conversation to sensitize the questions of gender inequality including violence against women. Since its inception, the Centre is also involved in different kinds of extension programmes in the rural and also in the urban areas for women in collaboration with other organizations.

A.K. DASGUPTA CENTRE FOR PLANNING AND DEVELOPMENT

[A Centre sponsored by the NITI AAYOG], Visva-Bharati. www.akdcentrevisvabharati.org

List of Departmental Seminars and Workshops:

5 January 2018. International seminar "Issues in Sustainable Development in India: Present Problems and Future Perspective"

1-10 November 2017. National Level 10 day Research Methodology Workshop in Social Sciences.

1-7 June 2017. National Level 7 day. Research Methodology Workshop in Social Sciences.

9 July 2017. Workshop on "Collection of Field Data."

15 July 2017. Training on "Online entry of data from Field"

Ongoing Research Projects:

A Socio-Economic Survey/ Social Impact Assessment of Mining over six villages of Loba Panchayat of Dubrajpur Block of Birbhum district, West Bengal. Principal Investigator: Prof. Amit Kr. Hazra and Dr. Subhrangsu Santra, Visva-Bharati [Rs.10.50 Lakh] Sponsored By Khgra Joydev Pvt. Ltd. [A unit under DVC], Durgapur.

Second year Project completed with ICSSR, New Delhi on "Developmental Interventions, Rural Transformation and Environmental Sustainability: A Study on Sundarban in India". Principal Investigator: Dr. Santadas Ghosh, Visva Bharati. [Rs.18 Lakhs].

Research project on: Third Party Evaluation Study on Mission Nirmal Bangla in Malda District. Principal Investigator: Prof. Amit Kr. Hazra and Dr. Subhrangsu Santra, Visva-Bharati [Rs.16.50 Lakhs] sponsored by Zilla Parisad, Sanitation Cell, Malda.

Project sanctioned by NABARD on Doubling of Farmers Income by 2022: Issues and Challenges in West Bengal. Principal Investigator: Dr. Santadas Ghosh, Visva Bharati [Rs.16.40 lakhs] sponsored by NABARD, Mumbai.

Project on "Preparation of District Annual Plan of Birbhum, 2018-19" sponsored by Office of the District Magistrate, Birbhum. Principal Investigator: Dr. Soumyadip Chattopadhyay [Rs.3.26 Lakh]

Project on "Updation of Dist. Human Development Report, Birbhum" sponsored by Office of the Dist. Magistrate, Birbhum. Principal Investigator: Dr. Soumyadip Chattopadhyay [Rs.11,14,500/]

TRIPURA'S TRYST WITH RUBBER by Indraneel Bhowmik & Pranab Kumar Chattopadhyay [Rs.10,000/- from A.K.D.Centre fund]

Multidimensional Poverty Index: A Study of a Village in Purulia District, West Bengal by Supravat Bagli, Souvik Dasgupta & Pranab Kumar Chattopadhyay [Rs.10,000/- from A.K.D.Centre fund]

Publications during the year:

Issues in Sustainable Development in India: Present Problems and Future Perspectives, Edited by Prof. Pranab K. Chattopadhyay and Daya Shankar Kushwaha, Published by New Delhi Publishers, 2018.

Growth and Diversification in India's Emerging Economy edited by Pranab K.Chattopadhyay and

Daya Shankar Kushwaha, published by New Delhi Publishers, 2017.

Working Paper, Volume-VII "Inclusive Development: New Challenges and Opportunities", published by New Delhi Publishers, New Delhi.

Draft Report on District Annual Plan of Birbhum, 2018-19 submitted to the District Magistrate, Birbhum.

A Brief History of the Centre

In 1995 erstwhile Planning Commission took up a scheme to set up a Unit and a Chair each in some selected Universities to promote teaching and research in Planning and Development. Visva-Bharati was one of these Universities which obtained the endowment. The first paragraph of the first very correspondence made by the erstwhile Planning Commission on this subject states, "Planning Commission has been interested in promoting studies and research on Planning and Development and raising an informed debate on the related issues."

The major areas on which the Unit has been concentrating its research activities are Rural Development, Agriculture, Rural Health, Child Development and impact assessment of programmes of the Government of India. Now the Unit is renamed in the name of Professor A.K.Dasgupta. The erstwhile Planning Commission renamed the Chair and Unit in 2012 as "Professor A.K.Dasgupta Chair in Planning and Development" and the Unit as 'A.K.Dasgupta Centre for Planning and Development. Presently the Centre is housed in the residence of Late Professor A.K.Dasgupta at 33, Purbapalli, Santiniketan. The Centre is sponsored by the NITI AAYOG, Govt. of India and under the Chairmanship of the Vice-Chancellor, Visva-Bharati.

Others

Initiation of Swabalamban [Earning while Learning] A programme where students are included in the various academic and hands on training where they work and earn during their leisure hours.

Chapter-III

ACADEMIC CALENDAR/PROGRAMMES for the year : 2017-18 ACADEMIC SESSION FROM 1st JUNE 2017 TO 15TH MAY 2018

Programmes	Time Schedule
1. Admission	
a) Admission form of different courses and prospectus available through University website.	From 24 th April, 2017 31 st May, 2017
b) Last date for receipt of application form through online Online publication of merit list Counseling of candidates Admission from First Merit List Admission from Second Merit List Commencement of Classes	To be announced on the University Website : www.visva-bharati.ac.in
d) Admission Test - PG Courses & results thereof	
e) Admission to PG Courses	
2. Commencement of classes	
a) Patha-Bhavana and Siksha-Satra (Secondary and Higher Secondary education)	2 nd January & 1 st July, 2017
b) UG-I, III, V, VII, PG-I, III, B.Ed., B.PEd. and Diploma in B. Fine Arts Courses	5 th July, 2017
c) UG-II, IV, VII, VIII and PG-II, IV Courses	By 2 nd January, 2017
3. Certificate / Diploma / Adv. Diploma Courses	
a) Advertisement for Admission and Completion of Admission process & Commencement of classes [Certificate / Diploma / Adv. Diploma / Courses (Foreign and Indian)] in Fine Arts and Bridge courses in Fine Arts)	From 10 th August, 2017 to 15 th December, 2017
4. Form fill-up for End-Semester Examinations	
a) School Certificate/ Pre-Degree Examination (Annual)	From last week of December, 2016 to 15 th January, 2017
b) UG-II, IV, VI, VIII, PG-II and PG-IV Semesters/other final years	Within 3 rd week of March, 2017
c) UG-I, III, V, VII & PG-I, III Semesters	Within 10 th November, 2017

5. Submission of Internal Assessment Marks

To be submitted to the Examination Section by at least one week before the commencement of particular Examination.

6. Examinations

1st Semester will be completed within 21st December, 2017 and 2nd Semester will be completed within 15th May, 2017.

a) School Certificate

To be completed by 29th March, 2017

Pre-Degree

To be completed by 26th March, 2017

b) UG-I, III, V, VII and PG-I, III & V Semesters

To be completed by 20th December, 2017

c) UG-II, IV, VI, VIII and PG-II, IV Semesters

To be completed by 15th May, 2017

d) M.Phil

To be completed by 15th June, 2017

7.A. Vacation for - a) First spell (Summer vacation)

Patha-Bhavana 9th May to 8th June, 2017

Mrinalini-Ananda Pathsala

Siksha-Satra

Santosh-Pathsala

b) Second spell (Puja Vacation)

25th September to 21st October, 2017

8th May to 8th June, 2017 25th September to 21st October, 2017

11th May to 9th June, 2017

25th September to 21st October, 2017

11th May to 9th June, 2017

25th September to 21st October, 2017

7.B. Winter Vacation

Mrinalini-Ananda Pathsala

26th December 2017 to 1st January 2018

Santosh-Pathsala

26th December 2017 to 1st January 2018

7.C Vacation for Faculty

a) First spell - Summer Vacation

16th May to 18th June, 2017

b) Second spell - Puja Vacation

26th September to 5th October, 2017

c) Third spell - Winter Vacation

26th December 2017 to 1st January 2018

8. Publication of Results

- | | |
|--|---|
| a) School Certificate/Pre-Degree | By 10 th June, 2017 |
| b) UG-I, III, V, VII and PG-I, III Semesters
of Examination. | Within one month from the comple-
tion of Examination. |
| c) UG-II, IV, VI, VIII and PG-II, IV Semesters | Within one month from the comple-
tion of Examination. |
| 9.a) Selection of Research Scholar - Department wise | January / July of every year |
| b) Commencement of Ph.D. Coursework | April / October of every year |
| c) Publication of Results of Ph.D. Coursework
(one semester only) | September / April of every year |

Chapter-IV

Students' Statistics

Students strength in Schools :

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Patha-Bhavana	442	519	31	34	8	11	-	3	31	36	45	39
Siksha-Satra	238	253	121	84	45	32	2	2	90	63	68	47
Total :	680	772	152	118	53	43	2	5	121	99	113	86

New Admission

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Patha-Bhavana	47	71	31	34	8	11	2	3	31	36	12	10
Siksha-Satra	39	50	21	23	6	7	-	-	24	23	5	7
Total :	86	121	52	57	14	18	2	3	55	59	17	17

Under Graduate:

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Year	284	376	114	92	54	29	09	07	181	138	59	64
2nd Year	292	347	107	77	37	40	06	06	156	110	70	52
3rd Year	280	316	106	71	46	34	07	0	177	94	61	43
4th Year	23	20	12	03	03	01	02	0	20	06	05	02
Total	879	1059	339	243	140	104	24	13	534	348	195	161

Post Graduate:

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Year	294	361	107	84	45	38	08	06	181	101	65	41
2nd Year	273	326	106	73	36	27	03	0	146	90	43	33
Total	567	687	213	157	81	65	11	6	327	191	108	74

M.Phil

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Year	59	38	12	5	6	3	1	0	7	15	13	3
2nd Year	42	29	9	10	2	5	0	0	15	17	5	5
Total	101	67	21	15	8	8	1	0	22	32	18	8

Ph.D

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Year	78	67	25	7	3	0	2	0	29	16	34	27
2nd Year	119	99	20	16	9	5	0	3	27	16	14	4
3rd Year	77	74	24	12	7	7	2	0	37	29	12	11
4th Year	98	96	40	16	19	7	2	0	50	23	11	12
5th Year	114	64	25	9	5	6	4	0	29	11	23	8
Total	486	400	134	60	43	25	10	3	172	95	94	62

Certificate

	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Year	77	124	27	26	7	8	0	0	25	35	9	10
2nd Year	52	63	16	25	2	3	1	0	10	15	4	3
Total	129	187	43	51	9	11	1	0	35	50	13	13

New Admission for the Academic Year 2017-18 (UG)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	284	376	114	92	54	29	9	7	181	138	59	64

New Admission for the Academic Year 2017-18 (PG)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	294	361	107	84	45	38	8	6	181	101	65	41

New Admission for the Academic Year 2017-18 (M.Phil)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	59	38	12	5	6	3	1	0	7	15	13	3

New Admission for the Academic Year 2017-18 (Ph.D.)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	78	67	25	7	3	0	2	0	29	16	34	27

New Admission for the Academic Year 2017-18 (Diploma)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	6	7	8	5	0	1	0	0	7	6	0	1

New Admission for the Academic Year 2017-18 (Certificate)

1st Year	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	77	124	27	26	7	8	0	0	25	35	9	10

Chapter-V

Projects being undertaken under Capital Assets for the year 2017-2018 (Upto 31.03.2018)

Sl. No.	Name of the Project/Scheme	Execution
<u>1</u>	<u>Students and Staff Canteen</u>	
a)	Major repair and extension of PSB canteen at Sriniketan.	Engg. Dept. Visva-Bharati
b)	Construction of Canteen at Bhasha-Vidya Bhavana complex at Santiniketan.	CPWD
<u>2</u>	<u>International Students Hostel and Guest House</u>	
a)	Renovation and extension of International Guest House (ground floor), Santiniketan.	Engg. Dept., Visva-Bharati
b)	Extension of Foreign Students' Boys Hostel at Santiniketan.	CPWD
<u>3</u>	<u>Smart Classroom and Modernization of Laboratories</u>	Engg. Dept., Visva-Bharati
(A)	Smart Classroom	
a)	Repair/renovation of Smart Classroom at Bhavanas.	”
(B)	Modernization/Upgradation of Laboratories	
a)	Renovation/upgradation of Agricultural Engineering Workshop at PSB, Sriniketan.	”
b)	Upgradation of laboratory at Siksha-Bhavana - Instrument rooms under DST-PURSE Programme at Integrated Science Building, Santiniketan.	”
c)	Modernization/Upgradation of Laboratory in the Dept. of ISERC at Siksha-Bhavana, Santiniketan.	”
d)	Modernization/Upgradation of Laboratory in the Dept. of Environmental Studies at Siksha-Bhavana, Santiniketan.	”
e)	Electrical work at Department of Environmental Studies Laboratories in Integrated Science Building, Siksha Bhavana, Santiniketan.	”
f)	Modernization/Upgradation of Laboratory at Bhasha-Bhavana, Santiniketan.	”
<u>4</u>	<u>Construction of Staff Quarters at Santiniketan (Phase-III)</u>	
a)	Residential complex for Vice-Chancellor (Type-VII) and senior officers (Type-V) of the University at Santiniketan.	CPWD
b)	Extension of Panchabati Complex at Santiniketan.	”

- | | | |
|-----------------|---|--|
| c) | Construction of Staff Quarters
(Type-II & Type-III) at Santiniketan. | ” |
| <u>5</u> | <u>Major repair/renovation of hostels</u> | <u>Engg. Dept., Visva-Bharati</u> |
| <u>6</u> | <u>Campus Development</u> | |
| a) | Construction of boundary wall/fencing surrounding
Ratanpalli area, Santiniketan. | <u>Engg. Dept., Visva-Bharati</u> |
| b) | Major repair of road at Dakshinpalli area (in front of
Dooradarshan Kendra), Santiniketan). | ” |
| c) | Major Repair of roads including drain leading from
Nippon Bhavana to Indira Gandhi Centre, Santiniketan. | ” |

Chapter-6

UNIVERSITY FINANCE

Comparative Expenditure Statement for the five years (Non-Plan)

Head of A/C	Actual 2013-14 Rs. In lakhs	Actual 2014-15 Rs. In lakhs	Actual 2015-16 Rs. In lakhs	Actual 2016-17 Rs. In lakhs	Actual 2017-18 Rs. In lakhs
RECEIPTS :					
UGC Grant	16605.33	18913.55	21706.99	22108.16	24112.57
Self Generation	801.55	823.52	873.41	892.73	894.67
TOTAL :	17406.88	19737.07	22634.40	23000.89	25007.24
PAYMENTS :					
Pay & Allowance	11259.72	12446.99	13248.76	13390.70	18074.11
Pension & Retirement Benefits	5209.36	5590.47	6303.98	6442.43	5287.05
Non-Salary Expenditure	1383.87	1678.89	1953.26	2085.67	2614.14
TOTAL :	17852.95	19716.35	21506.00	21918.80	25975.30

Fund Non-Plan (Maintenance Grant Received from UGC during The Financial Year 2017-2018)

Particulars	Amount (Rs.) in Lakhs
1. 1st. Installment	2366.22
2. 2nd Installment	3549.24
3. 3rd Installment	4736.22
4. 4th Installment	3838.05
5. Final Installment	2943.92
6. 6th Installment	5268.77
7. 7th Installment	1410.15
Total :	24112.57

Chapter-7

For the academic session 2017-18

1. Introduction of Choice Based Credit System (CBCS) course curricula following the UGC CBCS guidelines.

2. Modification of Syllabi under Choice Based Credit System (CBCS) for Bhavanas/Vibhaga(Institutes):

(a) Siksha-Bhavana (Institute of Science):

- i) Syllabus of Botany;
- ii) Syllabus of Chemistry;
- iii) Syllabus of Computer and System Science;
- iv) Syllabus of Mathematics;
- v) Syllabus of Physics;
- vi) Syllabus of Statistics;
- vii) Syllabus of Zoology; and
- viii) Syllabus of Environmental Studies.

(b) Vinaya-Bhavana (Institute of Education):

- i) Syllabus of B.A./B.Sc. (Hons.) in Physical Education.

(c) Kala-Bhavana (Institute of Fine Arts):

- i) Syllabus of Graphic Art;
- ii) Syllabus of Sculpture;
- iii) Syllabus of Design;
- iv) Syllabus of Art History; and
- v) Syllabus of Painting.

(d) Sangit-Bhavana (institute of Music, Dance & Drama):

- i) Syllabus and Ordinance of the B.Mus. (Hons.) Course (1st and 2nd Semester) of Rabindra-Sangit Dance & Drama (RSDD) and Hindustani Classical Music (HCM).
- e) Palli Samgathana Vibhaga (Institute of Rural Reconstruction :
 - i) Syllabus of Bachelor of Rural Studies (BRS).
 - f) Bhasha-Bhavana (Institute of Languages, literature & Culture) :
 - i) Generic Elective (GE) courses in Tamil.

3. Modification of Syllabi/Curriculum/Ordinance of different Bhavana/Vibhaga (Institutes) with regard to

- i) M.A. (Education) Curriculum with 96 credit points;
- ii) M.Ed. Curriculum with the recommendation to increase the existing 80 to 96 credit points;
- iii) Curriculum of both M.A. and M.Ed;
- iv) Syllabus of Ph.D. course work in Statistics;

- v) Minor changes in the syllabus and Ordinance of the "Centre for ESRAJ", Sangit-Bhavana;
- vi) Syllabus of the M.Mus. (Rabindra Nitya) programme;
- vii) Syllabus of the Ph.D. course work in Rabindra-Sangit (Elective Course No. 2);
- viii) Syllabi of Certificate and Diploma Courses in Assamese;
- ix) Syllabi of Certificate and Diploma Courses in Tamil;
- x) Syllabi of M.Phil. and Ph.D. Courses in Tamil;
- xi) Syllabus of B.A.(Hons.) in Odia; and
- xii) Syllabus of Master in Rural Studies (MRS).

4. Amendmnt to Ordinances and Syllabi of School Certificate and Pre-Degree Examinations regarding:

- i) Renaming of the subject "Life Science" to "Biology";
- ii) Revised syllabus of Mathematics(Additional) subject to be effective from the School Certificate Examination, 2019;
- iii) Home Science as a "Core Subject" instead of an "Additional Subject" in respect of School Certificate Examination, 2020; and
- iv) Syllabus of Home Science(Core) for School Certificate Examination.

5. Amendment/Modification to Ordinances and Syllabi of

- i) B.Sc. (Hons.) in Agriculture;
- ii) Amendment of Clause 6(c) & 13 of M.Sc. (Ag.) Ordinance;
- iii) Ordinance and Syllabus for M.Sc. in Poultry Science;
- iv) Syllabus of M.Sc. (Ag.) in
 - a) Agricultural Entomology; and
 - b) Plant Pathology.

6. Modification of Syllabi for B.A.(Hons.) Courses of different Bhavanas/Vibhaga(Institutes) under CBCS:

- i) Bengali, English, Hindi, Sanskrit, Indo-Tibetan, European Studies, Comparative Literature, Chinese and Japanese;
- ii) Philosophy, Comparative Religion, AIHC&A, History, Geography, Economics, Political Science and Education.
- iii) BSW and Bachelor of Design.

Appendix - A

BHAVANA/VIBHAGA (INSTITUTES) OF VISVA-BHARATI & NAME OF THE ADHYAKSHAS (PRINCIPAL)

Name of Bhavanas/Vibhagas	(Head of the Institutes)
Bhasa Bhavana	Prof. Abhijit Sen
Vidya Bhavana	Prof. Asha Mukherjee
Siksha Bhavana	Prof. Sukanta Sen
Rabindra Bhavana	Prof. Amal Pal
Kala Bhavana	Prof. Goutam Kumar Das
Sangit Bhavana	Prof. Nikhilesh Chowdhury
Vinaya Bhavana	Prof. Sabujkoli Sen
Palli Samgathana Vibhaga	Prof. Sankar Majumder
Palli Siksha Bhavana	Prof. Ashis Kumar Chatterjee
Granthana Vibhag	Prof. Sabujkoli Sen
Patha Bhavana	Smt. Bodhirupa Sinha
Siksha Satra	Dr. Jayanta Kumar Bhattacharya

Appendix - B

Functionaries of the University

<i>Paridarsaka</i> (Visitor)	: Sri Ram Nath Kovind
<i>Acharya</i> (Chancellor)	: Sri Narendra Damodar Modi, The Honorable Prime Minister India
<i>Pradhana</i> (Rector)	: Sri Keshari Nath Tripathi, The Honorable Governor of West Bengal
<i>Upacharya</i> (Vice-Chancellor)	: Prof. Sabujkoli Sen
Director of Studies, Educational Innovation & Rural Reconstruction	: Prof. Sabujkoli Sen
Director, Physical Edu., Sports, National Services & Student Welfare	: Prof. Narayan Mondal
Director, Indira Gandhi Centre	: Prof. Aruna Mukhopadhyay
Director, Granthana-Vibhaga	: Prof. Sabujkoli Sen
Finance Officer	: Prof. Samit Roy
Proctor	: Prof. Amit Hajra
Registrar	: Sri Sougata Chattopadhyay (Acting)
Controller of Examination	: Sri Debasish Datta
Deputy Registrar (Academic & Res.)	: Dr. Sanjay Ghosh
Joint Registrar (Incharge SC/ST Cell.)	: Dr. Prajnalankar Bhikshu
Joint Registrar	: Dr. Debasis Chakraborty
Joint Registrar (Administration)	: Sri Soumendra Sen
Deputy Registrar	: Sri Gouranga Dutta
Deputy Registrar & In-charge Estate	: Sri Ashok Kumar Mahato
Assistant Registrar	: Dr. Satyanarayan Bhattacharya
Assistant Registrar (Examination)	: Sri Prasanta Kumar Ghosh
Deputy Registrar-cum-C.S.to V.C	: Smt. Shyamala Roy
Deputy Registrar	: Sri Tanmay Nag
Deputy Registrar	: Sri Prashanta Ghosh
Assistant Registrar	: Sri Raj Mallick
Assistant Registrar	: Sri Daibakinandan Das
Assistant Registrar	: Sri Moloy Sutradhar
Assistant Registrar	: Sri Utpal Hazra

Assistant Registrar	: Sri Bratin Roy
Assistant Registrar	: Sri Hillol Mukherjee
Assistant Registrar	: Sri Rupratan Pattanaik
Manager, Santiniketan Press	: Sri Abhijit Sengupta
Accounts Officer	: Dr. Prashanta Meshram
Deputy Librarian	: Dr. Nimai Chand Saha
Computer Centre In-charge	: Dr. S.S. Dasgupta
University Engineer	: Sri Amit Sengupta
Chief Medical Officer	: Dr. Sasanka Sekhar Debnath

Appendix - C

HEAD OF THE DEPARTMENT

Department of Bengali	Prof. Amal Kumar Pal
Department of English and Other Modern European Language	Prof. Debarati Bandyopadhyay
Department of Hindi	Prof. Sakuntala Mishra
Department of Sanskrit, Pali and Prakrit	Prof. Narottom Senapati
Department of Odia	Prof. Kailash Pattanaik
Department of Arabic, Persian, Urdu & Islamic Studies	Dr. Md. Faique
Department of Indo-Tibetan Studies	Dr. Shedup Tenzin (Teacher-in-charge)
Department of Japanese Studies	Ms. Gita A. Keeni
Department of Chinese Language and Culture	Dr. Avijit Banejee
Department of Economics and Politics	Prof. Apurba Kumar Chattopadhyay
Department of History	Dr. Bipasha Raha
Department of Ancient Indian History, Culture & Culture & Archaeology	Prof. Gautam Sengupta
Department of Geography	Prof. U.S. Malik
Department of Philosophy and Comparative Religion	Dr. Kausik Bhattacharya
Department of Anthropology	Prof. Manas Roy
Department of Physics	Prof. Swapan Mondal
Department of Chemistry	Prof. Pranab Sarkar
Department of Mathematics	Prof. Prashanta Chatterjee
Department of Zoology	Prof. Santanu Roy
Department of Botany	Prof. Rup Kumar Kar
Department of Statistics	Prof. S. S. Maiti
Department of Computer and System Science	Prof. Dr. Utpal Roy
Centre for Mathematics Education	Prof. Swapan Raha
Dept. of Bio-technology	Prof. Sanghamitra Raha
Dept. of Integrated Science Edu. & Research Centre	Dr. Subrata Sinha
Dept. of Environmental Studies	Prof. Pratap Kr. Padhy
Department of Sculpture	Shri Mati Lal Kalai
Department of Graphic Art	Shri Ajit Seal

Department of Painting	Sri Rajarshi Biswas
Department of Design	Prof. Goutam Das
Department of History of Art	Prof. Sanjay Kumar Mallick
Department of Hindustani Classical Music	Prof. Swapan Kr. Ghosh
Deptt. of Rabindra Music, Dance & Drama	Prof. Swastika Mukhopadhyay
Department of Education	Prof. Rajarshi Roy
Department of Physical Education	Prof. Samiran Mondal
Department of Silpa Sadana	Prof. Arabinda Mondal
Palli Charcha Kendra (Dept. of Rural Studies)	Dr. Rathindranath Pramanik
Rural Extension Centre (Dept. of Life Long Edu.)	Dr. Sujit Kr. Pal
Department of Social Work	Prof. P.K. Ghosh
Department of Agronomy, Soil Science and Agricultural Chemistry, Agriculture Engineering, Plant Physiology and Animal Science (ASEPAN)	Prof. A.K. Barik
Department of Crop Improvement, Horticulture & Agricultural Botany(CIHAB)	Dr. Snehasish Chakravorty
Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics (EES)	Prof. Bidhan Chandra Roy
Department of Plant Protection (PP)	Dr. Ranjan Nath
Centre for Journalism & Mass Communication	Prof. Biplab Loha Choudhury
Centre for Buddhist Studies	Prof. Aruna Ranjan Mishra (Director)
Womens Studies Centre	Dr. Deepita Chakraborty
Assamese Language Unit (Teacher in-charge)	Dr. Sangita Saikia
Tamil Language Unit (Teacher in-charge)	Dr. Senthin Prakash S.
Marathi Language Unit (Teacher in-charge)	Sri Ranvir Sumedh Bhagwan

ACADEMIC STAFF

Bhasha-Bhavana**Bengali****N a m e****Qualification****Specialization****Professor**

Mrinal Kanti Mandal

M.A., Ph.D

Modern Bengali Fiction

Sudip Basu

M.A., Ph.D

Bengali Literary Criticism,
Saratchandra, 20th Century

Amal Kumar Pal

M.A., B.Ed., Ph.D

Bengali Literature & Culture

Miss. Sumita Bhattacharya

M.A., Ph.D

Bengali Poetry, Rabindranath

Mrs. Aparna Roy (Bhattacharya)

M.A., Ph.D

Bankimchanra, Modern

Abhra Bose

M.A. Ph.D

Bengali Literature

Old and Medieval Literature

Tagore Literature, Linguistics

Associate Professor

Nirmal Kumar Mandal

M.A., Ph.D

Old and Medieval Literature

Manabendranath Saha

M.A., M.Phil, Ph.D

Modern Bengali Poetry, Film Studies

Rita Modak

M.A., Ph.D

Bengali Fiction, Women's studies

Atanu Sasmal

M.A., Ph.D

Modern Bengali Fiction, Mediavel Lit.

Manabendra Mukhopadhyay

M.A., Ph.D

Modern Bengali Literature & Criticism,

Tagore Literature

Assistant Professor

Milan Kanti Biswas

M.A., B.Ed. Ph.D

Folk Literature & Philosophy

Biswajit Ray

M.A., Ph.D

Linguistics Nineteenth Century

Payel Mukherjee

M.A

Semiotics & Dramatology

Shreela Basu

M.A., Ph.D

Tagore Literature

English**Professor**

Abhijit Sen

M.A., Ph.D

Renaissance Studies, Theatre Studies, Tagore

Goutam Ghoshal

M.A., Ph.D., D.Lit.

Indian Writing in English, 19th C American
& British lit.; Tagore

Somdatta Mandal

M.A., M.Phil., Ph.D

American/Post colonial Literature

Amrit Sen

M.A., M.Phil., Ph.D.

Eighteenth Century Studies, Post Colonial

Debarati Bandopadhyay

M.A., Ph.D

Studies, Travel Writing : Tagore

Associate Professor

Tanuka Das

M.A. Ph.D.

19th C. New Literatures in English

Swati Ganguly

M.A., Ph.D.

20th C. Poetry, Ind. Writing in Eng.

Renaissance Studies, Theatre studies, Gender
Studies, Translation & Tagore.

Sudev Pratim Basu

M.A. Ph.D

Nineteenth Century Studies,

Saurav Dasthakur

M.A., M.Phil. Ph.D

Postcolonial Studies, Popular Fic.

Dipankar Roy

M.A., M.Phil.

20thC. Literature Postcolonial Studies,
Literary Theory.

Ananya Duttagupta

M.A., M.Phil.

Postcolonial Literature and Theory

Renaissance Studies

Asst. Professor

Tapu Biswas

M.A. M.Phil, Ph.D.

20th C Lit; American Lit; Indian Lit in English

Shaona Barik

M.A.

Literature of the British Raj

Stuti Mamen	M.A.	Modernism, Visual Arts & Literature.
<u>Centre for Modern European Lang. Literature & Cultural Studies</u>		
Professor		
Aruna Mukherjee	M.A, Ph.D	Russian Literature
Nilanjan Chakraborti	M.A., Ph.D.	Enlightenment Travel Literature
Indrani Das	M.A., Laurea, Ph.D.	Medieval History and Italian Studies, Translation Studies.
Sr.Asst. Professor		
Romit Roy	M.A., M.Phil.	German Literature,Culture and Music Theodore Adorno.
<u>Centre for Comparative Literature</u>		
Asst. Professor		
Nilanjana Bhattacharya	M.A, Ph.D	Comparative Lit; Indian Lit;Afro-American Lit;Latin American Lit
Soma Mukherjee	M.A. M.Phil, Ph.D.	Comparative Lit.; Bhasha Lit. Postcolonialism; Feminism
Dheeman Bhattacharjee	M.A., Ph.D	Canadian Literature, Literature & other Arts, Performance Studies, Translation.
<u>Arabic, Persian, Urdu and Islamic Studies</u>		
Professor		
Niaz Ahmed Khan	M.A., Ph.D.	Modern Persian Language, Literature & Translation
Associate Professor		
Wasif Ahmad	M.A., Ph.D.	Persian Short Stories
Md. Faique	M.A., Ph.D.	Modern Persian Drama
Asst. Professor		
Md. Atiqur Rahman	Ph.D	Modern Persian Language, Literature & Translation
<u>Chinese</u>		
Professor		
Jayeeta Ganguly	M.A, Ph.D.	Chinese Buddhism
Associate Professor		
Avijit Banerjee	M.A.Ph.D,	Chinese Language,Chinese Politics
Smt. Tandrima Pattrea	M.A	Chinese Language & Literature
Asst. Professor (Gr.II)		
Smt. Hem Kusum	M.A.M.Phil.	Modern Standard Chinese language
Chiranjib Sinha	M.A	Chinese Language
Asst. Prof.		
Debdas Kumdu	M.A	Chinese Language Lit. & History
Sri Atreya Bhatta	M.A	Chinese Language
<u>Hindi</u>		
Professor		
Harish Chandra Mishra	M.A., Ph.D	Philosophy of Literary history or criticism in Modern Literature
Rameshwar Prasad Mishra	M.A., Ph.D	Medeaval & Modern Literature
Mrs. Manju Rani Singh	M.A., Ph.D	Medeaval & Modern Literature &

Mukteshwarnath Tiwari	M.A., Ph.D	Poetics
Chakradhar Tripathi	M.A. Ph.D	Modern literature & Criticism
R.N. Mishra	M.A. Ph.D, D.Lit	Medeaval & Modern Poetry
Shakuntala Mishra	M.A., Ph.D	Modern Poetry
		Modern literature & Criticism,
		Translation
Shailendra Kumar Tripathi	M.A., Ph.D	Modern literature & Criticism
Asst. Professor		
Subhash Chandra Roy	M.A., Ph.D	Modern literature & Criticism
Jagadish Bhagat	M.A., Ph.D	Modern literature & Criticism
Sri Arjun Kumar		
S.Kumud	M.A.	
<u>Indo-Tibetan Studies</u>		
Associate Professor		
Sanjib Kimar Das	M.A, Ph.D	Tibetan Language & Buddhist Philosophy
Asst. Professor		
Shedup Tenzin	M.A, M.Phil.Ph.D	Tibetan Buddhism
Prakriti Chakraborty	M.A.(Double), Ph.D	Tibetan Language & History of Tibet
Sonam Zangpo	Acharya Ph.D	Tibetan (Bhoti)
Norbu Gyaltzen Negi	M.A, Ph.D	Tibetan Language & Buddhism
<u>Japanese</u>		
Associate Professor		
Gita A Keeni	M.A (Philosophy) M.A (Japanese History)	Philosophy, Japanese Literature (Miwazawa Kenji), Cultural & History
Asst. Professor		
Ajoy Kumar Das	M.A	Japanese Language & Literature (Hori Tatsuo)
Sudipto Das	M.A (Japanese)	
Md. Atiul Azim	M.A	(Japanese Language, Literature & Culture)
<u>Odia</u>		
Professor		
Kailash Chandra Pattanaik	M.A., Ph.D	Folklore/Fiction
Sabita Pradhan	M.A., M.Phil., Ph.D	Linguistics, Fiction
Manoranjan Pradhan	M.A., Ph.D	Comp.Literature, Fiction, Editing and textual criticism
Asst. Professor		
Smt. Pramila Patulia	M.A.M. Phil.Ph.D	Folk Literature
Sarat Kumar Jena	M.A., L.L.B, Ph.D	Modern Literature & Cultural Study
Rabindra Kumar Das	M.A., Ph.D.	Linguistic & Modern Literature
Indramani Sahoo	M.A., M.Phil.	Linguistics & Fiction
<u>Sanskrit, Pali & Prakrit</u>		
Professor		
Narottam Senapati	Vidya-Varidhi (Ph.D.)	Nyaya, Grammar
Mridula Ray	M.A., Ph.D	Poetics, Grammar, Literature
Arun Kumar Mondal	M.A., Ph.D	Poetics, Grammar, Prakrit

Lalita Chakraborty Aruna Ranjan Mishra J.R. Bhattacharya	M.A., Ph.D M.Phil, Ph.D M.A., M.Phil.Ph.D	Nyaya Vaisesika Literature Prakrit, Sanskrit ,Philosophy & Jaina Cannons
Associate Professor Niranjan Jena	M.A., Ph.D	Veda & Literature
Asst. Professor Harekrushna Mishra Sanjoy Kumar Mondal Gargi Bhattacharya Laxmidhar Malik Pritilaxmi Swain Ram Pramol Kumar	M.A.,M.Phil., Ph.D M.A.Ph.D M.A.,M.Phil.Ph.D M.A.,M.Phil., Ph.D M.A., M.Phil., Ph.D M.Phil, Ph.D	Veda, Religion Indian Philosophy& Pali, Vedanta/Manu Scriptology Purans & Epics Vyakarana Literature
Santali		
Asst. Professor Dhaneshwar Majhi Ramu Hembram Tapan Soren Dukhia Murmu Sanat Hansda Mansaram Murmu	M.A.,Ph.D M.A. NET M.A. NET M.A.,NET, Ph.D M.A. NET M.A, NET	Folk Literature Santhali Santhali Bibliography Folk Literature Poetry
Marathi		
Asst. Professor Ranvir Sumedh Bhagwan	M.A.	Marathi
Tamil		
Asst. Professor Senthil Prakash. S	M.A., M.Phil.	Tamil
Assamese Language Unit		
Asst. Professor Sangita Saikia	M.A.Ph.D	Assamese
Vidya-Bhavana		
<u>Ancient Indian History, Culture & Archaeology</u>		
Professor Subbiah Ganapathy Subrata Chakrabarti Arun Kumar Nag Ananda Chandra Sahoo	M.A., Ph.D. M.A., Ph.D. M.A., Ph.D. M.A., Ph.D.	Early Indian Art History & Early South Indian History Pre-and-Proto History Proto-History Religion & Early Indian Art History
Associate Professor Bikash Mukherjee Smt. Sina Panja Sarita Khettry	M.A., Ph.D. M.A., Ph.D. M.A., Ph.D.	Religion Historical Archaeology Epigraphy and Numismatist
Asst. Professor Anil Kumar Smt. Bina Gandhi(Deori) K. Mavali Rajan	M.A., Ph.D. M.A., Ph.D. M.A., M.Phil, Ph.D.	Social and Economic History Etheno Archaeology Social and Economic History

Economics and Politics

Professor

Sarbajit Sengupta	M.A., Ph.D.	Industrial Economics, Micro Eco. International Trade, Eco. of Edu.
Madhusudan Ghosh	M.A., Ph.D., Post-Doctoral	Agri. Eco, Devt. Eco, Macro Economics, Time Series, Indian Econometrics
Sudipta Bhattacharya	M.Sc., M.Phil., Ph.D.	Agricultural Economics, Monetary Economics, Marxian Economics
Pranab Kanti Basu	M.A., Ph.D.	International Trade, Economic Thought
Apurba Kumar Chattopadhyay	M.Sc, Ph.D.	Agricultural Economics, Dev. Economics Economics of Planning
Pranab Kumar Chattopadhyay	M.A., Ph.D.	History of Economics Thought, Environmental Economics, Econometrics
Mamata Roy	M.A., Ph.D.	Indian Political Thought

Associate Professor

Jagabandhu Saha	M.Stat., Ph.D.	Econometrics & Inventory Theory
Santadas Ghosh	M.Sc, MCA, Ph.D.	Econometrics, Env. Economics
Saumya Chakrabarti	M.Sc., Ph.D, M.Phil.	Advanced Economic Theory, Economics of Marx, International

Asst. Professor

Uttam Sikdar	M.Sc., M.Phil.	Statistics & Econometrics, Dev. Economics, Macroeconomics
Biswajit Mandal	M.Sc., M.Phil, Ph.D.	International Economics, Dev. Economet.
Amit Kr. Biswas	M.A. Ph.D.	International Trade, Econometrics
Achiranshu Acharya	M.Sc.	Environmental & Resource Economics & International Economics
Soumyadeep Chatterjee	M.Sc.	Econometrics, Urban Economics
Biswajit Haldar	M.A., M.Phil.	Indian Economy; Development Economics
Anamika Moktan	M.A	International Trade; Env. Economics
Priya Brata Dutta	M.A. P.hd.	International Trade; Growth Economics

Geography

Professor

Sumantra Mukherjee	M.A., M.Phil., Ph.D.	Resource Geography, Water Resources
Debashish Das	M.A., M.Phil., Ph.D.	Rural Development, Regional Planning, Agricultural Geography
Vibhash Chandra Jha	M.Sc., Ph.D.	Geomorphology, Remote Sensing
Sutapa Mukhopadhyay	M.A., Ph.D.	Geomorphology
Uma Sankar Malik	M.A., Ph.D.	Industrial Geography
Malay Mukhopadhyay	M.A., Ph.D.	Fluvial Geomorphology, Regional Planning Environmental Geography

Associate Professor

Manjori Bhattacharjee	M.A., Ph.D.	Geomorphology
Premangshu Chakraborty	M.A., Ph.D.	Cultural Geography & Tourism Geography

Asst. Professor

Krishnendu Gupta	M.A., Ph.D.	Applied Geomorphology, Remote sensing & GIS
Bhairu Lal Yadav	M.A, M.Phil.	Population Geography and Demography
Ms. Sudipta Sarkar	M.A, M.Phil	Population & Statement Geography

History

Professor

Sandip Basu Sarbadhikari	M.A., Ph.D.	Medieval India, Maritime History, Peasant Studies with reference to South
Chhanda Chatterjee	M.A., Ph.D.	Economic History of Modern India, Communalism in the Punjab
Bhaskarjyoti Basu	M.A., Ph.D.	East Asia Economic History & Maritime History
Syed Ejaz Hussain	M.A., Ph.D.	Medieval Indian History, Numismatics, Epigraphy
Bipasha Raha (Dutt)	M.A., M.Phil., Ph.D.	History of Modern India, Socio-economic history of Modern Bengal, Socio-economic ideas of Tagore

Associate Professor

Dr. Kaushik Roy	M.A., Ph.D.	
Deep Kanta Lahiri Chowdhury	M.A., Ph.D.	
Smt. Arpita Sen	M.A., M.Phil., Ph.D.	Modern Indian History

Asst. Professor

Arunava Das	M.A.	Economic History of Modern India, Tourism
Shubayu Chattopadhyay	M.A., M.Phil.	Economic History of Modern India
Pum Khan Pau	M.A., Ph.D.	
Sabyasachi Dasgupta	M.A., Ph.D.	
Atig Ghosh	M.A., Ph.D.	
Shdhi Mandoli	M.A., Ph.D.	
Amerandra Kumar	M.A., M.Phil., Ph.D.	

Philosophy and Comparative Religion

Professor

Sabujkoli Sen (Mitra)	M.A., Ph.D.	Indian Philosophy & Comparative Religion
Somnath Chakraborty	M.A.	Analytic Philosophy, Ethics
Asha Mukherjee	M.A., M.Phil., Ph.D.	Ethics, Logic, Analytic Philosophy, Feminist Philosophy, Jaina Philosophy
Bijoy Kumar Mukherjee	M.A., Ph.D.	Logic, Philosophy, Jaina Philosophy
Md. Sirajul Islam	M.A., Ph.D.	Islam, Sufism
V. Raman	M.A., Ph.D.	Analytic Philosophy

Associate Professor

Ranjan Mukhopadhyay	M.A., M.Phil., Ph.D.	Logic, Philosophy of Logic & Language
Anup Barman	M.A., Ph.D.	Indian Philosophy & Theory of Knowledge
Kousik Bhattacharya	M.A., Ph.D.	Philosophy of Science
Manjari Chakraborty	M.A., Ph.D.	Philosophy of Science

Asst. Professor

Maya Das	M.A., Ph.D.	Indian Philosophy
Subhrojyoti Das	M.A., M.Phil.	Indian Philosophy & Religion
Mousumi Roy	M.A., Ph.D.	Sociology and Anthropology of Religion
M.P. Terence Samuel	M.A., Ph.D.	

Farha Naaz	M.A., M.Phil	Islam & Mysticism
Rekha Ojha	M.A., Ph.D	Social Philosophy, Applied Ethics
Sujoy Mondal	M.A.,	Buddhism, Ethics
<u>Education Unit</u>		
Professor		
Tarak Nath Pan	M.Ed., Ph.D.	Psychology of Teaching
Centre for Journalism		
Professor		
Biplab Loha Chowdhury	M.A., Ph.D.	Media Management Research & Rural Communication
Associate Professor		
Mrs. Mousumi Bhattacharya	M.A., Ph.D.	Audience Reseaech, Audiovisual Media. (Radio, TV and Film,) New Media.
Asst. Professor		
Sanhita Chatterjee	M.A.,	Audio-Visual Production
Anthropology		
Professor		
Manas Ray	M.Sc., M.Phil, Ph.D D.Lit.	Enthnography of Communication/ Rural Communication
Sr. Asst. Professor		
Arnab Ghosh	M.Sc., Ph.D	Physical
Asst. Professor		
Jyotiratan Ghosh	M.Sc., Ph.D	Physical
Rangya Gachui	M.A., Ph.D	Social-Cultural
<u>Siksha-Bhavana</u>		
<u>Biotechnology</u>		
Professor		
Sanghamitra Raha	Rerphysiology	Cell Biology, Animal Biotechnology
Associate Professor		
Amit Roy	M.Sc., Ph.D.	Molecular Biology, Genetic Engineering
Tathagata Choudhuri	M.Sc., Ph.D.	Virology, Cell Biology
Asst. Professor		
Nilanjana Das	M.Sc., Ph.D.	Biochemistry, Bioethics, IPR
Narottam Dey	M.Sc., Ph.D.	Biotechnology
Jolly Basak	M.Sc, Ph.D	Biochemistry, Genomics & Proteomics
Samiran Saha	M.Sc, Ph.D	Immunology, Animal Biotech
<u>Botany</u>		
Professor		
Sukanta Kr. Sen	M.Sc., Ph.D.	Microbiology
Samit Ray	M.Sc., Ph.D.	Phycology
Kashinath Bhattacharya	M.Sc., Ph.D.	Palynology & Environmental Biology
Nirmalya Banerjee	M.Sc., Ph.D.	Cytogenetics
Rup Kumar Kar	M.Sc., Ph.D.	Plant Physiology & Biochemistry
Narayan Chandra Mandal	M.Sc., Ph.D.	Mycology & Plant Pathology
Swadesh Ranjan Biswas	M.Sc., Ph.D.	Molecular Biology
Subrata Mondal	M.Sc., Ph.D.	Plant Taxonomy

Associate Professor

Chowdhury Habibur Rahaman

M.Sc., Ph.D.

Pharmacognosy

Asst. Professor

Sri Bomba Dam

M.Sc., Ph.D.

Microbiology

Jnanendra Rath

M.Sc., Ph.D.

Phycology

Adani Lokho

M.Sc., Ph.D.

Angiosperm, Taxonomy

Hema Gupta (Joshi)

M.Sc., Ph.D.

Plant Ecology

Surendra Kr. Gond

M.Sc., Ph.D.

Mycology & Plant Pathology

Satish Kr. Verma

M.Sc.

Biochemistry

Nandalal Mondal

M.Sc., Ph.D.

Cytogenetics

Soma Chunari

M.Sc., Ph.D.

Pteridology

Anjalka Roy

M.Sc., Ph.D.

Medicinal Plant Biology

Chemistry**Professor**

Asim Kumar Das

M.Sc., Ph.D., D.Sc.

Inorganic Chemistry

Pranesh Chowdhury

M.Sc., Ph.D.

Inorganic Chemistry

Goutam Brahmachari

M.Sc., Ph.D.

Organic Chemistry

Pranab Sarkar

M.Sc., Ph.D.

Physical Chemistry

Bhabatosh Mondal

M.Sc., Ph.D.

Inorganic Chemistry

Swapan Kumar Chandra

M.Sc., Ph.D.

Inorganic Chemistry

Associate Professor

Gourab Kanti Das

M.Sc., Ph.D.

Organic Chemistry

Bijoy Krishna Dolui

M.Sc., Ph.D.

Inorganic Chemistry

Adinath Majee

M.Sc., Ph.D.

Organic Chemistry

Asst. Professor

B.C. Bag

M.Sc., Ph.D.

Physical Chemistry

Nazmin Ara Begum

M.Sc., Ph.D.

Organic Chemistry

Manas Ghosh

M.Sc., Ph.D.

Physical Chemistry

Alakananda Hajra

M.Sc., Ph.D.

Organic Chemistry

Smt. Bula Singh

M.Sc.

Physical Chemistry

Md. Motin Seikh

M.Sc., Ph.D.

Inorganic Chemistry

K.C. Bhoumik

M.Sc., Ph.D.

Organic Chemistry

Sri Biswajit Dey

M.Sc.

Inorganic Chemistry

Dr. Sudip Kr. Mondal

M.Sc. Ph.D.

Physical Chemistry

Dr. P. Sahoo

M.Sc. Ph.D.

Organic Chemistry

Environmental Studies**Professor**

Smt. Shibani Chaudhury

M.Sc., Ph.D.

Env. Biology & Toxicology

Associate Professor

Pratap Kumar Padhy

M.Sc., M.Phil., Ph.D.

Env. Sciences

Asst. Professor (III)

Pulak Kumar Patra

M.Sc., Ph.D.

Earth Sciences

Asst. Professor (II)

S. Balachandran

M.Sc., M.Phil., Ph.D.

Env. Sciences

Shweta Yadav

M.Sc., Ph.D.

Env. Chemistry

Mathematics**Professor**

Syamal Kumar Samanta

M.Sc., Ph.D.

Functional Analysis & Fuzzy Topology

Dulal Pal

M.Sc., M.Phil., Ph.D.

Fluid Mechanics, Atmospheric Science

Santabrata Chakravarty

M.Sc., Ph.D.

Biomathematics

Swapan Raha	M.Sc.,M.Tech, Ph.D.	Adv. Computer Science and Cybernetics/ Bioinformatics
Prasanta Chatterjee	M.Sc., Ph.D.	Plasma Dynamics, Nonlinear mechanics
Prasanta Kumar Mondal	M.Sc., Ph.D.	Biomathematics
Tapas Roy Mahapatra	M.Sc., Ph.D.	Fluid Dynamics
Associate Professor		
Madan Mohan Panja	M.Sc., Ph.D.	Dynamical Sys., Wavelet Numerical Analysis, Theory of Diff. Equation
Dibyendu Banerjee	M.Sc., Ph.D.	Complex Analysis
Tarapada Bag	M.Sc., Ph.D.	Fuzzy Functional Analysis/Functional Analysis
Asst. Professor		
Subhasis Roy	M.Sc., Ph.D.	Real Analysis
A.K. Bhuniya	M.Sc. Ph.D	Algebra (Theory of Semigroups)
Amar Prasad Misra	M.Sc. Ph.D.	Plasma Physics
Kalyan Hansda	M.Sc.	Algebra
Lakshminarayan Guin	M.Sc.	Biomathematics
Nikhil Paul	M.Sc.	Comp-Science, Modelling in Ecology
Mizanur Rahaman	M.Sc.	Functional Analysis
Physics		
Professor		
Taraprasad Chattopadhyay	M.Sc., Ph. D.	Electronics
Somenath Chakravorty	M.Sc., Ph.D.	Astrophysics & Cosmology
M. Maity	M.Sc., Ph. D.	Particle Physics
A. Bhattacharya	M.Sc., Ph.D.	Cond. Matt. Physics
T.K. Kundu	M.Sc., Ph.D.	Electronics
Pijush Kanti Ghosh	M.Sc., Ph.D.	Particle Physics
Swapam Mandal	M.Sc., Ph. D.	Quantum Optics
Mrs. Asmita Sengupta	M.Sc., Ph. D.	Cond. Matt. Physics
Associate Professor		
Shreeekanta Sil	M.Sc., Ph. D.	Cond. Matt. Physics
Bikash Chandra Gupta	M.Sc., Ph. D.	Cond. Matt. Physics
Ms. Aparna. Saha	M.Sc, Ph. D.	Atomic Physics
Asst. Professor		
Arani Chakrabarti	M.Sc., Ph. D.	Cond. Matt. Physics
S.K. Mandal	M.Sc., Ph.D.	Cond. Matt. Physics
Buddhadev Mukherjee	M.Sc., Ph.D.	Nuclear Physics
Aditya Saw Mondal	M.Sc., JRF	Astro Physics & Cosmology, Q.F.T
Biswajit Pandey	M.Sc., Ph.D.	Astro Physics & Cosmology
Amrita Bandopadhyay	M.Sc., Net	Atomic & Nuclear Spectroscopy, Laser
Biplab Roychoudhury	M.Sc., Ph.D	Relativity, Cosmology
Sudipta Das	M.Sc., Ph.D	Astro Physics & Cosmology
Subhash Chandra Tudu	M.Sc.	X-ray Crystallography
Subhasish Roy	M.Sc.	Radio Physics & Electronics
R.K. Singha	M.Sc. Ph.D	Condensed Matter Physics
Swarup Kr. Majee	M.Sc., Ph.D.	
Anagha Chakraborty	M.S., Ph.D.	Nuclear Physical Specialization
Statistics		
Professor		
Kashinath Chatterjee	M.Stat., Ph.D.	Design of Experiments
Sudhansu S. Maiti	M.Sc., Ph.D.	Reliability Analysis

Asst. Professor

Soumalya Mukhopadhyay
 Ms. Saran Ishika Maity
 Tirthankar Ghosh
 A. Chakraborty
 S. Rana

M.Sc
 M.Sc
 M.Sc
 M.Sc P.hD.
 M.Sc

Biostatistics
 Multivariate and Time Series Analysis
 Multivariate and Time Series Analysis
 Statistics
 Statistics

Zoology**Professor**

Shelley Bhattacharya
 Samir Bhattacharya (Emeritus)
 Arun Kumar Ray
 Panchanan Nath

M.Sc., Ph.D.
 M.Sc., Ph.D.
 M.Sc. Ph.D.
 M.Sc., Ph.D.

Environmental Toxicology
 Molecular Endocrinology & Signalling
 Fish Biology and Fisheries
 Reproductive Physiology of fish
 and Fish Endocrinology
 Soil Ecology and Ecotoxicology
 Environmental Endocrinology
 Parasitology, Nematology and
 Neurobiology
 Ecological Modeling
 Fisheries and Fish Biology
 Fish Biology
 Radiation Genetics

Vadakepuram Chacko Joy
 Soumen Kumar Maitra
 Santi Prasad Sinhababu

M.Sc., Ph.D.
 M.Sc., Ph.D.
 M.Sc., Ph.D.

Santanu Roy
 Dipak Kumar Mandal
 Samar Kumar Saha
 Ansuman Chattopadhyay

M.Sc., Ph.D.
 M.Sc., Ph.D.
 M.Sc., Ph.D.
 M.Sc., M.Phil., Ph.D.

Parasitology
 Fish Physiology

Associate Professor

Larisha M. Lynden
 Sudipta Maitra

M.Sc., Ph.D.
 M.Sc., Ph.D.

Aquaculture
 Toxicology
 Biochemistry & Molecular Endocrinology

Asst. Professor

Surya Kumar Saikia
 Rakesh Kundu
 Sutapa Mukherjee

M.Sc, Ph.D.
 M.Sc., Ph.D.
 M.Sc., M.Phil, Ph.D

Computer and System Science**Professor**

Paramartha Dutta

M.Stat. M.Tech, Ph.D.

Soft Computing, Pattern Recognition,
 Mobile ad-hoc network, Image Processing
 Data Mining, Image Processing, Bio-Infr.
 Approximation Algorithms, VLSI Routing
 Algorithms, Computational Molecular
 Biology
 Quantum Computing, Image Processing :
 Document & Colour

Balaram Bhattacharya
 Alope Kumar Datta

M.Sc., Ph.D., M.Tech.
 M.Sc., Ph.D.,

Utpal Roy

M.Sc., Ph.D.,

Associate Professor

Tathagato Mukhopadhyay

M.Sc.M.E.

Mobile Communication, Image Processing

Asst. Professor

Kakali Datta
 Subhasis Banerjee
 Sanchita Pal Choudhuri
 Madhusudan Paul
 Debaditya Barman

B.Sc.B.Tech., M.E.
 M.Sc., M.Tech.
 M.Sc., M.Tech.
 M.Sc., M.Tech.
 B.E., M.E

Quantum Cellular Automata
 Mobile Communication
 Discrete Mathematics, Soft Computing
 Computational Systems Biology,
 Machine Learning & Data Mining

Integrated Science**Professor**

Sanghamitra Raha

M.Sc. Ph.D

Molecular Cell Biology, Signal Transduction

Associate Professor

Subrata Sinha

M.Sc. Ph.D

Spectroscopy

Sushanta Ghosh	M.Sc. Ph.D	Physical Chemistry
Asst. Professor Mahasweta Nandi Umesh Kr. Singh Swapan Kumar Pandit Nilanjan Bandyopadhyay	M.Sc. Ph.D M.Sc. M.Phil. Ph.D M.Sc. M.Phil, Ph.D M.Sc. Ph.D.	Inorganic Chemistry, Material Science Hydrogeology, Water & soil pollution Computational fluid dynamics Mathematical Physics ,High Energy Physics
Education Professor Benudhar Chinara Rajarshi Roy Khanu Charan Sahoo	M.A., M.Phil., Ph.D M.A, M.Ed, Ph.D M.A.,M.Phil.,Ph.D	Peace & Value Education, Elementary Edu. Educational Sociology Education
Associate Professor Biplab Kr. Chattopadhyay Asheesh Srivastava Nilratan Roy Shyamsundar Bairagya	M.Sc., Ph.D M.Sc., M.Ed., Ph.D M.A., B.Ed., Ph.D M.A., Ph.D	Agriculture Mathematics E.P.M., Curriculam Development Econometrics & Statistics
Asst. Professor Partha Pratim Sikdar Smt. Trishna Banerjee Sanat Kumar Rath Prohlad Ray Chitralekha Maiti Ms. Sarita Anand Md. Shaheer Siddiquie Prosenjit Saha	M.Fine M.Mus M.A., M.Ed., Ph.D M.A., B.Ed. Ph.D M.Sc. M.A,M.Ed. M.A,M.Ed. M.A, NET	Fine Arts, Sclupture Rabindra Sangit, Traditional Bengali Song. Education, Philosophy Bengali Education, Sociology & Folk Edu. Geography Education English/Economics Geography Education, Women Empowerment Educational Psychology Educational Psychology Special Education
Shilpi Ghosh Ms. Sharmila Yadav Umakant Prasad	M.A, Ph.D M.Sc. M.Ed. M.Phil. M.A., M.Ed.	
Physical Education Professor Brajanath Kundu Sagarika Bandyopadhyay Sumanta Kumar Mondal Samiran Mondal	B.Sc.,M.P.Ed., Ph.D. B.Sc., M.P.Ed., M.Phil.,Ph.D, M.P.E., M.Phil., Ph.D. M.Ed.(Physical Education),Ph.D	Exercise Physiology Exercise Physiology Kinesiology & Biomechanics Phycho-Physiology Cert. in Hockey, Yoga
Associate Professor Ashok Kumar Goon Sudarshan Biswas Maheshaswata Khetmalis	M.P.E, Dip. in Coaching M.P.E., Ph.D. M.P.E., Ph.D.	Exercise Physiology Exercise Physiology & Football Sports Psychology & Gynmastics
Asst. Professor Ratnesh Singh	M.P.E., M.Phil Diploma in Coaching (Cricket) M.P.E, Ph.D.	Biomechanics & Cricket
Sentu Mitra Kallol Chatterjee Abhijit Thander	M.P.E, Ph.D. M.P.E, M.Phil, Ph.D B.A. B.P.Ed., M.Phil	Ex & Sports Physiology Volley Ball Ex & Sports Physiology
Sangit Bhavana Professor Indrani Mukherjee Madhabi Ruj (Ghosh) Swastika Mukherjee	M.Mus., Ph.D. M.Mus., Ph.D. B.A.	Rabindra Sangit Rabindra Sangit Rabindra Sangit

Kaberi Kar	M.A.	Dhrupad
Basabi Mukherjee	M.Phil.	Khayal & Thumri
Buddhadev Das	M.Mus.	Esraj
Sabyasachi Sarkhel	M.A., Ph.D.	Sitar
K. Sunita Devi	B.A., Dip. in Manipuri	Manipuri Dance
Swapan Ghosh	Sangeet Ratnakar (M.Mus.)	Tabla, Pakhawaj
Tarak Sengupta	M.A Dip. in Photography	Drama & Theatre Arts, (Acting/Direction), Photography
T.S. Vasuni	Proficiency in Art	Kathakali Dance
Associate Professor		
Prasanta Kumar Ghosh	B.Sc., B.Ed., M.Mus.	Rabindra Sangit
Nikhilesh Chowdhury	M.Mus., Ph.D.	Sitar & Musicology
Y. Hemanta Kumar	B.A., P.G.D. (Ras)	Manipuri Dance
Malay Sankar Chatterjee	Diploma Choregraphy	
	M.Mus.	Rabindra Sangit
Asst. Professor		
Mohan Kumaran P.	M.A., B.Ed.	Kathakali Dance
Sanghamitra Gupta	P.G. Dip. (Sociology)	Rabindra Sangit
	Dance	
Sumit Basu	M.A. Ph.D	Manipuri Dance
Basanta Mukherjee	M.Mus.	Kathakali Dance
Monojit Mallick	M.A.	Classical Vocal (kheyal)
Nikhil Ranjan Roy	Sangit Prabhakar & Visarad, Gurukul Training	Tabla
Sandip Ghosh	B.Com., Sangit Prabhakar	Tabla & Pakhawaj
	Sangit Bivakar	
Mousumi Roy	M.A, Ph.D.	Kheyal
	H.C.M (Vocal)	
Tapas Chatterjee	M.Mus.	Hindusthani Classical Music (Esraj)
Smt. Chaya Rani Manda	M.A.Phil.,	Oriya & Classical Vocal Music (H.C.Y.)
		Classical Music
Ranjit Das	M.Mus.	Classical Music
Smt. Eshita Chakroborty	M.Mus., M.Phil.	Kathakali Dance
Rajesh Menon N	M.Mus.	Classical Music
Amit Kumar Verma	M.Mus.	Kathakali Dance
P. Mukunda Kumar	M.Mus.	Rabindra Sangit
Smt. Arpita Dutta (Das)	M.Mus.	
Suchindranath Puthan	M.A in Kathakali	
Sri Rajesh K V	Ph.D	
Nandita Basu Sarbadhikari	M.MUS	Rabindra Sangit
Manani Mukhopadhyay	M.MUS	Rabindra Sangit
Saptarshi Roy	M.MUS	Rabindra Sangit
Surajit Roy	M.A	Rabindra Sangit
Biplab Biswas	M.A., Ph.D.	Drama & Theatre Arts
Amartya	M.A., Ph.D.	Drama & Theatre-Arts
Mrityunjoy Kr. Prabhakar	M.A.,	Drama & Theatre-Arts
Gyanabati Devi	B.A.,	Manipuri Dance Specialization
Ranjani Ramachandran	M.A., Ph.D.	Vocal
Accompanist		
K. Premjit Singh	P.G. dip. in Mridanga	Pung (Khol)
N.P. Sankarnarayanan	Proficiency in Art	Kathakali Chanda
	P.G. Katha-Kali	

Animesh Chandra Alok Banerjee Tapan Kumar Roy	Gurukul Training M.Mus. H.S., Sangit Pravakar & Ratnakar B.Sc. M.A. M.A., M.Mus Dip. in Maddalam M.Mus. M.Mus	Esraj Esraj Tabla Tabla Tabla Tabla Maddalam Tabla Tabla Tabla
SitaramDas Biswajit Sahu Joydeb Golder Rajan P. Chanchal Nandi Apurbalal Manna Kamalesh Roy		
<u>Kala-Bhavana</u>		
<u>Design</u>		
Professor		
Sisir Sahana Ashok Bhowmik	B.F.A, M.F.A 5 Yrs. Course in Dip. in Painting B.Fine	Glass Painting Ceramics
Goutam Kumar Das		
Associate Professor		
Sakshi Gopal Das Prasun Kanti Bhattacharya	Dip. in Fine Arts B.Sc.(Hons.), Diploma in Painting D.H/L Tech., P.D.Textile Chemistry, Dip.H/L.Co.Op. Management M.F.A	Textile Design Painting & Textile Design Handlooms and Textile Chemistry
Debashish Mahalanobish		
Miss. Banatanwi Das Mahapatra		Textile in Design
Asst. Professor		
Krishnendu Bag Debasish Das Ms. Bhavna Khajuria Basumatary Archana Das Madi Linda	B.Fine, Textile Design MVA in Ceramic MFA MFA BA, BFA,MFA	Design (Textile) Ceramic Design Ceramic Design Ceramic Design Ceramic Design
<u>Graphic Art</u>		
Associate Professor		
Ajit Seal Arpan Mukherjee	Post Diploma Graphic Art M.F.A.	Graphic Art. Graphic Art
Asst. Professor		
Salil Sahani Uttam Kr Basak Moirangthem Thomas Singh Prashant Phirangi	M.F.A. M.F.A. M.V.A. M.F.A.	Graphic Art Graphic Art Graphic Art Graphic Art
<u>History of Art</u>		
Professor		
R.Siva Kumar	M.Fine	Contemporary Indian Art, Renaissance and Post Renaissance art of the West Indian Art Ancient & Contemporary
Sanjoy Kumar Mallik	M.F.A, Ph.D.	
Associate. Professor		
Meghali Goswami	M.F.A, Ph.D.	
Asst. Professor		
Anshuman Dasgupta	M.F.A	Contemporary Art (Indian & Western)

Soumik Nandi Majumdar	M.F.A	Indian Art (Traditional Art & Craft)
Rishav Gandhar Narzary	MFA	Modern western Art
Painting		
Professor		
Nandadulal Mukhopadhyay	B.Fine, M.F.A.	Painting & Mural
Dilip Mitra	M.F.A	Painting
Sitansu Mukhopadhyay	M.F.A.,Ph.D.	Painting
Associate Professor		
Arghya Priya Majumdar	M.Fine	Painting
Sanchayan Ghosh	M.F.A	Painting
Rajarshi Biswas	M.F.A	Painting
Asst. Professor		
Ambaris Nandan	M.V.A.	Painting
Prasanta Sahu	M.F.A	Painting
Sk. Sahajahan	Adv. Dip in Painting	Painting
Dharitri Boro	M.F.A	Painting
Sculpture		
Professor		
Pankaj Panwar	M.F.A.	Sculpture
Associate Professor		
Sutanu Chatterjee	M.F.A.	Sculpture.
Matilal Kalai	M.F.A.	Sculpture
Asst. Professor		
Kamal Dhar	M.F.A.	Sculpture
Rishi Barua	M.F.A.	Sculpture
Amit Kumar Dhara	M.F.A.	Sculpture
Lawanshaibha Kharmawlong	M.F.A.	Sculpture
Sajad Hamdani	M.F.A.	Sculpture
Palli Samgathana Vibhaga		
Palli Charcha Kendra		
Professor		
Sankar Majumder	M.Sc,Ph.D.	Planning and Public Economics
Associate Professor		
Santanu Rakhit	M.Sc,Ph.D.	Agrarian Economy, International Trade, Socio-Economic Differentiation
M. Alankara Massilamani	M.A.,M.A.,Ph.D.	Rural Development
Rathindra Nath Pramanik	M.A.Ph.D.	Agricultural Economy/Labour Economy
Rural Extension Centre		
Professor		
Amit Kumar Hazra	M.Sc.(Ag.), Ph.D.	Rural Economics & Rural Development
Associate Professor		
Rafiqul Islam	MA(SW), Ph.D	Elementary & Non formal Education.Population Education
Sujit Kumar Pal	M.A. Ph.D.	Rural Development
Asst. Professor		
Subhrangsu Santra	MA, Ph.D	Rural Development

Silpa Sadana**Professor**

Raj Kumar Konar	B.Arch, M.Des.	Architecture, Furniture, Interior & Product Design
Smt. Padmini Balaram	Ph.D	Textile

Associate Professor

Vishal C. Bhand	B.F.A, M.Sc (Textiles)	Design Theory, Process & Painting
Arup Mukherjee	B.Sc.(Tech)	Textile Chemistry
Sumitabha Pal	M.F.A.	Sculpture
Santanu Kr. Jena	BFA & MFA in Pottery & Ceramic	Ceramic & Glass
Arabinda Mondal	Adv. Course in Ceramic, China B.Tech M.Tech. Ph.D (Tech)	Ceramic

Asst. Professor

Amrita Kumar Das	Dip. in Wood Work	Wood Work
Madhusudan Hazra	Dip. in Handloom Weaving	Handloom weaving
Sanjay Kumar Goswami	B.Sc., Paper Tech.	Paper making
Smt. Shyamali Sengupta	B.Sc.(Hons.), Dip. in Wood work	Wood Work
Arun Kumar Sharma	B.F.A & M.F.A.Pot. & Cer.	Pottery-Ceramic
Prabir Kumar Choudhuri	M.Sc.(Tech.)	Mechanical Processing Textile
Ashis Mitra	B.Sc. (Tech) M.Sc. (Tech)	Mechanical Processing
Sankar Roy Maulik	M.Tech.Ph.D,	Textile Chemistry
Ashis Ghosh	M.F.A.	Wood-work
Naba Kumar Majhi	B.F.A., M.F.A.	Interior Accessories
Deb Kumar Das	B.Com., Dip. in Woodwork	Woodwork
Mrinal Kanti Sarkar	B.F.A. (Design)	Textile Design
Smt. Sukanya Chatterjee	B.Sc., M.Sc.(Wood Sc.)	Wood SC. & Tech.
Smt. Jaya Boro	M.F.A	Painting, Pottery, Ceramic
Manoj Kumar Prajapati	M.F.A.	Design, Pottery & Ceramic

Social work**Professor**

Kumkum Bhattacharya	M.A.(Psychology),Ph.D.	Culture Personality
Asok Kumar Sarkar	M.A. (SW), Ph.D.	NGOs,Health care & Development
Prasanta Kumar Ghosh	M.A.(SW), Ph.D.	HRD,HRM,AID/HIV History, Philosophy, concept of social work
Debotosh Sinha	M.A.(SW), M.Phil., Ph.D.	Family & Child Welfare

Associate Professor

Swapan Hazra	M.A.(SW)	HRD, Welfare Administration
Sanjoy Roy	M.A.(SW),M.Phil,Ph.D	Community Development
Ram Prasad Das	M.A.(SW), M.Phil.	Crime and Correctional Administration
Paromita Roy	M.Sc (Economics)	Development Economics, social Development

Asst. Professor

Sudeshna saha	M.A. (SW)	Medical & SW Psychiatric Social Work
Neelmani Jaysawal	M.A	Community Organization
Josheph Varghese	M.A, M.Phil	Community Development
Sukumar Pal	M.A, Ph.D	Weaker Section,Social Defence and Correction
Ms. Subhashree Sanyal	M.A(Social Work)	Medical & Psychiatric Social Work
Sasmita Patel	MSW, M.Phil	Women Empowerment
Anupam Hazra	MSW, Ph.D	Community Development

Ms. Moumita Laha	MSW	Social Policy & Planning
<u>Palli Siksha Bhavana</u>		
<u>Crop Improvement,</u>		
<u>Horticulture and</u>		
<u>Agricultural Botany</u>		
Professor		
Paresh Chandra Kole	M.Sc. (Ag.), Ph.D	Plant Breeding
Associate Professor		
Amitava. Paul	M.Sc.(Ag.), Ph.D	Genetics & Plant Breeding
Goutam Mondal	M.Sc. Ph.D	Pomology
Snehasish Chakravorty	M.Sc.(Ag.), Ph.D	Olericulture & Floriculture
Asst. Professor		
Joydeep Mandal	M.Sc.(Ag.), Ph.D	Olericulture
N. R. Chakraborty	M.Sc.(Ag.), Ph.D	Genetics & Plant Breeding
Prahlad Deb	M.Sc(Hort), Ph.D	Pomology & Post-harvest Technology
Plant Protection		
Professor		
Hirak Chatterjee	M.Sc.(Ag.), Ph.D	Economic Entomology
Associate Professor		
R. Nath	M.Sc.(Ag.), Ph.D.	Plant Virology
Asst. Professor		
Palash Mondal	M.Sc.(Ag.),Ph.D	Economic Entomology
Mohan Kumar Biswas	M.Sc.(Ag.), Ph.D	Mushroom & Fungal Plant Pathology
Bholanath Mondal	M.Sc.(Ag), Ph.D	Plant Bacteriology
Swarnali Bhattacharya	M.Sc.(Ag.), Ph.D	Economic Entomology
Agricultural Extension, Agricultural Economics and Agricultural Statistics		
Professor		
Debasish Bhattacharya	M.Sc.(Ag.), Ph.D	Statistics
Sarthak Chowdhury	M.Sc.(Ag.), Ph.D	Agril. Extension
S. Ghosh	M.Sc.(Ag.), Ph.D	Agril. Extension
Bidhan Chandra Roy	M.Sc.(Ag.), Ph.D	Agril. Economics
Associate Professor		
Debashis Sarkar	M.Sc.(Ag.), Ph.D	Agril. Economics
Asst. Professor		
Siddhartha Dev Mukhopadhyay	M.Sc.(Ag.), Ph.D.	Agril. Extension
Anindita Saha	M.Sc.(Dairy Ext. Edu.)	Dairy Extension Education
Digvijay Singh Dhakre	M.Sc. Ph.D.	Statistics
Bitan Mondal	M.Sc.	Diary Economics
Kader Ali Sarkar	M.Sc. Agriculture	
<u>Agronomy, Soil Science,</u>		
<u>Agricultural Engineering,</u>		
<u>Plant Physiology and</u>		
<u>Animal Science</u>		
Professor		
Ashis Kumar Chatterjee	M.Sc.(Ag.), Ph.D.	Soil Chemistry

Saraj Kumar Pyne	M.V.Sc., Ph.D.	Vet. Anatomy & Reproduction Teratology
Arun Kumar Barik	M.Sc.(Ag.), Ph.D.	Crops and Cropping System
Binoy Kumar Saren	M.Sc.(Ag.), Ph.D.	Water Mangement
Goutam Kumar Ghosh	M.Sc.(Ag.), Ph.D.	Soil Chemistry & Soil Fertility
Associate Professor		
Jayanta Kumar Chatterjee	M.V.Sc., Ph.D.	Animal Production and Management
Buddhadev Duary	M.Sc.(Ag.), Ph.D.	Weed Management
Ganesh Ch. Malik	M.Sc.(Ag.), Ph.D.	Crop Husbandary & Water Management
Reader		
P.K. Biswas	M.Sc. Ph.D	Agriculture Chemistry
Asst. Professor		
Swapan Kr. Maity	M.Sc.(Ag.), Ph.D.	Crop Husbandry
Suchhanda Mondal	M.Sc.(Ag.), Ph.D.	Soil Science & Agril. Chemistry
Debasish Panda	M.Sc.(Ag.)	Plant Physiology
P. Kandaswamy	M.E.(Agril)	Agricultural Processing
Kalipada Pramanik	M.Sc.(Ag.), Ph.D.	Dryland Agronomy
Mahua Banerjee	M.Sc.(Ag.), Ph.D.	Crop Husbandary
Y. Vasudeva Rao	M.Sc., Ph.D	Bio-Chemistry
K.C. Swain	M.Sc., Ph.D	Agriculture Engineering
N.C. Sarkar	M.Sc., Ph.D	Plant Physiology
M.C. Kundu	M.Sc., Ph.D	Soil Science
Ms. Sananda Mondal	M.Sc., Ph.D	Plant Physiology
Pritam Ghosh	M.Sc., Ph.D	Crop Husbandary
School		
Patha-Bhavana		
Bodhirupa Sinha (Principal)	M.A (Eco.),B.Ed	
English		
Amitabha Mukherjee	M.A, B.Ed., Ph.D	English Language Teaching
Abhijit Sengupta	M.A., M.Phil, PGDTE	
Surojit Sen	M.A, B.Ed.	Classical Tragedy
Sarada Basu Mukhopadhyay	M.A	American Lit.
Sreemoyee Ghosh	M.A, B.Ed.	
Sangita Hembrom	M.A	
Suranjima Saha	M.A, B.Ed.	American Lit.
Uma Chatterjee	M.A, B.Ed.	Classical Literature
Debmalya Das	M.A, B.Ed.	English
Bengali		
Nilay Ray	M.A, M.Phil, BT, PGDAE	Linguistics
Shyamaprosad Chatterjee	M.A, Ph.D.	
Chandrani Mukherjee	M.A, M. Ed.	Music (H.C&R.S) 19th Cen. Bankim Chandra
Sonali Chakraborty (Majumder)	M.A, B. Ed.	Music (H.C&R.S) 19th Cen. Bankim Chandra
Nibir Kr. Ghosh	M.A, B.Ed.	
Anuradha Saha	M.A, B.Ed.	
Debolina Dalal	M.A, B.Ed.	
Samir Debnath	M.A, B.Ed.	
Rakhee Sarkar	M.A, B.Ed.	Prachin Sahitya
Tarit Roychoudhuri	M.A	
Haradhan Soren	M.A	
Mathematics		
Subhrangsu Sen	M.Sc, B.Ed.	Quantum Mechanics & Atomic Collision Theory
Tarak Nath Saha	M.Sc, B.Ed. Ph.D.	
Patralekha Datta Sarkar	M.Sc, B.Ed.	

Madhusudan Mondal	M.Sc, B.Ed.	
Sutapa Saha	M.Sc, B.Ed.	
Namrata Bhattacharya	M.A, B.Ed.	
Jotirmoynath Roul	M.Sc, B.Ed	
Music		
Chandan Munsii	M.Music	
Mousumi Das	M.Music, B.Ed.	
Karunamoy Majumdar	M.Music	
Dance		
Sujata Mitra	B.Mus.(Manipuri)	
Debabrata Mukherjee	Nritya & Sangeet Visharad	
Arts & Crafts		
Rati Basu	B.Fine(Painting), M.Fine(Graphic)	
Kalicharan Hembram	M.F.A.(Painting)	
Srabani Bhattacharya	B. Fine (Textile)	
Jayanta Mondal	B.F.A., M.F.A.(Painting)	
Priti.C. Nartiang	M.F.A.	Textile Design
Physics		
Bulbul Konar	M.Sc, B.Ed.	Condensed Matter Physics
Suchit Chakraborty	M.Sc, M.Ed.	Atomic Physics
Kumar Vikrant Basak	M.Sc., B.Ed.	Atomic & Molecular Physics
Chemistry		
Ruhi Das	M.Sc. B.Ed. Ph.D	
Sasadhar Majhi	M.Sc. B.Ed. M.Phil.	
Animesh Ghosh	M.Sc., B.Ed., NET	Organic Chemistry
Life Science		
Chhatrapati Murmu	M.Sc.(Botany), B.Ed.	
Sunil Kumar Mondal	M.Sc. Ph.D	
Ipsa Bandyopadhyay	M.Sc., Ph.D	
Lopamudra Sen	M.Sc., B.Ed.	Life Science (Zoology)
Geography		
Sushmita Guha Roy	M.Sc, (Geo) Ph.D.	Environmental Geography
Kishore Bhattacharyya	MA, B.Ed.	
History		
Silpi Mukhopadhyaya	M.A, M.Phil, B.Ed.	
Nirmal Kr. Mahato	M.A., B.Ed., Ph.D	
Sanskrit/Hindi		
Debendra Pandey	MA(Double), Ph.D.	Premchand & Indian Philosophy
Sonali Gangully	M.A,B.Ed., Ph.D.	
Anindita Agarwala	M.A., B.Ed.	
Ms. Alpana Dhibar	M.A., B.Ed	
Economics		
Sarbari Dutta	M.Sc., M.Phil,	
Home Science		
Chaitali Ghoshal	M.Sc., Diploma(Diet)	
Mrinalini Ananda Pathsala		
Chhayaranjani Chakraborty	B.S.W, M.S.W.	
Priya Halder		
Sutapa Pramanik Majumdar		
Study Supervisor		
Nemai Sankar Chakraborty	M.Sc., B.Ed.	

Partha Pratim Roy	M.A, B.Ed.	
Grihadhyaksha Partha Chakraborty	M.A, B.Ed.,	
Metal Craft Chitra Bhanu Giri (Instructor)	Diploma in Engineering	
Physical Education Biswajit Bir	B.P.E, M.P.E	
Philosophy Ruma Das Hazra	M.A, B.Ed,	
Statistics Anil Baran Mondal	M.Sc., Ph.D, MCA	Operations Research & Approximation algorithms
Political Science Dipali Ghosh	M.A, M.Phil	Contemporary India, Society & Politics
Siksha Satra Jayanta Kr. Bhattacharya	M.Sc,Ph.D, B.Ed,	X-ray & Crystallography
Bengali Srinivas Ghosh Smt. Siuli Sinha Md. Mozharul Hamid Smt. Nibedita Saha Iqbal Zahangir	M.A.,B.Ed. M.A., Ph.D. M.A,B.Ed M.A., B.Ed M.A., B.Ed. M.Ed.	19 th Century Bangla Lit. Prachin Bangla Sahitya 19 th Century Bangla Lit. Teacher Education
English Smt. Gargi Ghosh Asim Kumar Majumdar Smt. Mitali De Sarkar Smt. Achina Majumdar Smt. Tamali Majumdar Dibyendu Mondal Girish Chandra Dehury Smt. Tripti Ghosh	M.A., B.Ed.,Ph.D. M.A., B.Ed, PGDTE M.A, B.Ed, M.A.,B.Ed, Cer. in French M.A. PGDCE (Hyderabad) M.A., B.Ed. M.A., B.Ed.	Short Stories & Comparative Lit. ELT ELT English ELT & Linguistics ELT & Linguistics
Geography Smt. Tripti Ghosh Smt. Gargi Ghosh Avik Ghosh	M.A., B.Ed. M.A, B.Ed. M.A.	Dynamic Geomorphology Population Geography
History Soumen Sengupta Debabrata Barat	M.A., B.Ed. M.A., B.Ed, MEd.	18 th Century in Indian History 18 th Century Indian History & Creativity History of Art
Life Science Rituparna Char Krishnendu Dey Gautam Saha	M.Sc. B.Ed. M.Sc. B.Ed. M.Sc. B.Ed. M.A,	Plant Anatomy Pollination Biology Environment Science & Teacher Edu.
Mathematics Sandip Kr. Bhakat Gopinath Mondal Ganesh Mondal Smt. Jayashree Saha	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., B.Ed. M.Sc., B.Ed.	History of Mathematics & Math. Edu. Pure Mathematics Applied Mathematics Bio Mathematics
Statistics Rudra Prasad Sinha	M.Sc, B.Ed, M.A,	Statistics

Physics Smt. Shampa Bhutty (Roy) Parthasarathi Chatterjee Tirthasalil Dey	M.Sc., B.Ed. M.Sc., M.Ed. M.Sc.	Solid State Physics Multimedia X-ray & Crystallography
Chemistry Arup Bhattacharya Pradip Soren	M.Sc., B.Ed., Ph.D. M.Sc. B.Ed.,	Physical Chemistry Inorganic Chemistry
Economics Subrata Sinha	M.Sc. M.Phil.	Advance Economics Theory
Sanskrit Smt. Anandamoi Mondal Smt. Kanchan Dasgupta	M.A., B.Ed., Ph.D. M.A., B.Ed.	Kavya Kavya
Dance Smt. Madhuri Sinha	Dip. in Music & Dance	Dance
Electric Shyamalendu Banerjee	Dip. in Elec. Eng.	Power Station & Sub-Station
Music Ramendranarayan Sinha Durga Charan Majumdar Rajatmoy Chattopadhyay	B.Sc. M.Mus. M.A.	Sangit Prabhakar Classical & Rabindra Sangeet Rabindra Sangit
Philosophy Smt. Sangeeta Sarkar	M.A, M.Phil	Development Ethics
Tabla Ranendranarayan Sinha	B.Sc., Sangeet Prabhakar Sangeet Visharad	Benaras & Lucknow Gharana
Hindi/Sanskrit Smt. Sudha Gupta Priya Pathak	M.A., B.Ed, Ph.D, M.A., B.Ed, Net	Poetic Language
Weaving Smt.Purnalakshmi Ghosh	B.A., Certificate Course in Weaving	Weaving
Painting Biswadip Das	MFA	Painting
Physical Education Smt. Vandana Hazra Somnath Mehana	MPE B.P.Ed.	Athelitics Football
Political Science Sumanta Das	M.A. B.Ed.	
Santosh Pathsala Subhrojyoti Dutta Sudipta Sen Srinibash Anjali Roy Gopinath Mondal Suman Chakraborty	M.Sc. M.A. B.Ed. M.A., B.Ed. M.Sc. B.Ed. M.Sc. Ed. M.A. B.Ed.	

Appendix-E

Member of the Samsad (Court)

1. Shri Narendra Modi
Hon'ble Prime Minister of India & Acharya
(Chancellor), Visva-Bharati
South Block-II Office
7, Race Course Road
New Delhi - 110 011
2. Prof. Sabujkoli Sen
Upacharya (Offig.)
Visva-Bharati
3. Adhyaksha
Bhasha-Bhavana
Visva-Bharati
4. Adhyaksha
Vidya Bhavana
Visva-Bharati
5. Adhyaksha
Siksha-Bhavana
Visva-Bharati
6. Adhyaksha
Kala Bhavana
Visva-Bharati
7. Adhyaksha
Sangit Bhavana
Visva-Bharati
8. Adhyaksha
Patha Bhavana
Visva-Bharati
9. Adhyaksha
Palli Siksha Bhavana
Visva-Bharati
10. Adhyaksha
Palli Samgathana Vibhaga
Visva-Bharati
11. Adhyaksha
Vinaya Bhavana
Visva-Bharati
12. Adhyaksha,
Siksha Satra
Visva-Bharati
13. Librarian, Central Library
Visva-Bharati
14. Proctor
Visva-Bharati
15. Adhyaksha
Granthana Vibhaga,
Visva-Bharati,
6, A.J.C. Bose Road,
Kolkata - 700 017
16. Head
Department of Bengali
Visva-Bharati
17. Head
Department of English
Visva-Bharati
18. Head
Department of Sanskrit
Visva-Bharati
19. Head
Department of Hindi
Visva-Bharati
20. Head
Department of Odia
Visva-Bharati
21. Head
Dept. of Arabic, Persian,
Urdu & Islamic Studies
Visva-Bharati
22. Head
Department of Indo-Tibetan Studies
Visva-Bharati
23. Head
Department of Japanese
Visva-Bharati
24. Head
Department of Chinese
Visva-Bharati

- | | |
|---|---|
| 25. Head
Department of Santali
Visva-Bharati | 39. Head
Department of Computer & System Sciences
Visva-Bharati |
| 26. Head
Department of Economics & Politics
Visva-Bharati | 40. Head
Centre of Bio-technology
Visva-Bharati |
| 27. Head
Department of History
Visva-Bharati | 41. Head
Centre for Environmental Studies
Visva-Bharati |
| 28. Head
Department of A.I.H.C. & A
Visva-Bharati | 42. Head
Department of Sculpture
Visva-Bharati |
| 29. Head
Department of Geography
Visva-Bharati | 43. Head
Department of Painting
Visva-Bharati |
| 30. Head
Department of Philosophy & Religion
Visva-Bharati | 44. Head
Department of Design
Visva-Bharati |
| 31. In-Charge, Centre for Journalism and Mass
Communication
Visva-Bharati | 45. Head
Department of Graphic Art
Visva-Bharati |
| 32. Head
Department of Anthropology
Visva-Bharati | 46. Head
Department of History of Art
Visva-Bharati |
| 33. Head
Department of Physics
Visva-Bharati | 47. Head
Dept. of RabindraSangit, Dance & Drama
Visva-Bharati |
| 34. Head
Department of Chemistry
Visva-Bharati | 48. Head
Department of Hindusthani Classical Music
Visva-Bharati |
| 35. Head
Department of Mathematics
Visva-Bharati | 49. Head
Department of Education
Visva-Bharati |
| 36. Head
Department of Zoology
Visva-Bharati | 50. Head
Department Physical Education
Visva-Bharati |
| 37. Head
Department of Botany
Visva-Bharati | 51. Head
Department of Agronomy, Soil Science,
Agricultural Engineering, Plant Physiology
and Animal Science (ASEPAN)
Visva-Bharati |
| 38. Head,
Department of Statistics
Visva-Bharati | |

52. Head
Dept. of Crop Improvement, Horticulture & Agricultural Botany (CIHAB)
Visva-Bharati
53. Head
Dept. of Plant Protection, Agricultural Entomology and Plant Pathology (PP)
Visva-Bharati
54. Head
Department of Agricultural Extension, Agricultural Economy and Agricultural Statistics (EES)
Visva-Bharati
55. Head
Department of Social Work
Visva-Bharati
56. Head
PalliCharcha Kendra
Visva-Bharati
57. Head
SilpaSadana
Visva-Bharati
58. Head
Dept. of Lifelong Learning and Extension (REC)
Visva-Bharati
59. Prof. Harish Chandra Mishra
Department of Hindi
BhashaBhavana
60. Prof. Debasish Das
Department of Geography
VidyaBhavana
61. Prof. SukantaSen
Department of Botany
SikshaBhavana
62. Shri Krishnendu Bag
Department of Design
Kala Bhavana
Visva-Bharati
63. Prof. T.S. Vasuni
SangitBhavana
Visva-Bharati
64. Dr. Ashok Kumar Goon
Physical Education
VinayaBhavana
65. Prof. Ashis Kumar Chatterjee
PalliSikshaBhavana
Visva-Bharati
66. Prof. Raj Kumar Konar
SilpaSadana
PalliSamgathanaVibhaga
Visva-Bharati
67. Smt. Uma Chatterjee
PathaBhavana
Visva-Bharati
68. ShriParthaSarathiChatterjee
SikshaSatra
Visva-Bharati
69. Shri Jagabandhu Das
Laboratory Assistant
PalliSikshaBhavana
Visva-Bharati
70. ShriBirokishore Pal,
Peon-Cum-Library Cleaner P.S.B.
71. Shri Amiya Hazra,
Professional Assistant,
Central Library, Visva-Bharati
72. Shri Mashiur Rahaman
Office Assistant
Granthana Vibhaga (Publishing Dept),
6 A.J.C. Bose Road
Kolkata - 700 017
73. Smt. Shyamala Roy (Nair)
Deputy Registrar & Confidential Secretary
to the Vice-Chancellor
Visva-Bharati
74. Shri Dipan Kundu
M.Sc. (Sem-II) in Physics,
Siksha-Bhavana
Visva-Bharati
75. Ms. Trishla Kumari
MFA (Sem-II),
Kala-Bhavana
Visva-Bharati

76. Shri Samiran Ghosh
B.Sc. (Honours) in Mathematics
Siksha-Bhavana
Visva-Bharati
77. Shri Debtanu Datta
B.Sc. (Honours) in Mathematics
Siksha-Bhavana
Visva-Bharati
78. Ms. Udit Das
Patha-Bhavana
Visva-Bharati
79. Shri Swapan Dasgupta
14, Teen Murti Lane
New Delhi
80. Shri Harivansh
501, Brahmaputra Apartments,
Dr. B.D. Marg
New Delhi - 110001
81. Dr. Vijay Bhatkar
Chancellor, Nalanda University and
former Chairman,
Board of Governors, IIT, Delhi
34 A Vrindavan Society 2 Panchvati,
Pashan Road, PashanGaon,
Pune - 411021
82. Prof. Janat Shah
Director, IIM, Udaipur District, Balicha,
Rajasthan 313002
83. Prof. Indranil Manna
A-78, IIT Campus
Kharagpur - 721302
84. Sh. Amit Malviya
Banking Expert, Bengaluru
6, MeenaBagh
Maulana Azad Road
New Delhi - 110011
85. Dr. Anirban Ganguly
Director, DrSyama Prasad Mookerjee
Research Foundation,
9- Ashok Road
New Delhi-110001
86. Mr. Shaurya Doval
Director, India Foundation
C-228, Sector-44,
Noida, Uttar Pradesh-201301
87. Sh. Kailash Satyarthi
Nobel Laureate, Child Right Activist &
Founder, BachpanBachaoAndolan
L- 6, Kalkaji, New Delhi- 110019
88. Shri Sanjay Budhia
Managing Director, Patton Group, 3C
Camac Street, 8th floor, Kolkata - 700 016
89. Prof. Dr. Sujit K. Ghosh
Swagat Chinar
Block -'C' , Flat - 3A
Chinar Park, New Town
Kolkata - 700 157
90. Dr. Sushovan Banerjee
General Practioner (Medicine)
Haragouritala
Bolpur, Birbhum
91. Mr. Justice Sakha Ram Singh
Former Justice, High Court of Allahabad
303, C.K. Daphtary
Lawyer's Chamber
Supreme Court of India
Tilak Lane, New Delhi - 110 001
92. Prof. Shelley Bhattacharya, FNAS, Former
Adhyapaka
Department of Zoology
Visva-Bharati
93. Prof. Manju Mohan Mukherjee
Former Adhyapaka
Dept. of Social Work, PSV
Visva-Bharati
94. Prof. Swapan Kumar Ghosh
Dept. of Hindustani Classical Music
Sangit Bhavana
Visva-Bharati

Appendix-F

Existing Members of the Karma-Samiti (Executive Council)

1. Prof. Sabujkoli Sen Upacharya
(Vice-Chancellor) [Offg.]
2. Smt. Bodhirupa Sinha Adhyaksha of the
Patha-Bhavana
3. Prof. Goutam Kumar Das
Adhyaksha
Kala Bhavana
Visva-Bharati
4. Prof. Ashis Kumar Chatterjee
Adhyaksha
Palli Siksha Bhavana
Visva-Bharati
5. Prof. Nikhilesh Chowdhury
Adhyaksha
Sangit-Bhavana
Visva-Bharati
6. Prof. Swapan Kumar Ghosh
Dept. of Hindustani Classical
Music, Sangit Bhavana
Visva-Bharati
7. Prof. Debasish Das
Department of Geography
Vidya Bhavana
Visva-Bharati
8. Prof. Dr. Sujit K. Ghosh
Swagat Chinar
Block -'C' , Flat - 3A
Chinar Park
New Town
Kolkata - 700 157
9. Dr. Sushovan Banerjee
General Practitioner (Medicine)
Haragouritala
Bolpur, Birbhum
10. Mr. Justice (Retd.) Sakha Ram Singh
Former Justice, High Court of
Allahabad
303, C.K. Daphatary
Lawyer's Chamber
Supreme Court of India
Tilak Lane
New Delhi - 110 001
11. Prof. Shelley Bhattacharya, FNAS,
Former Adhyapaka
Dept. of Zoology
Visva-Bharati
12. Prof. Manju Mohan Mukherjee
Former Adhyapaka
Dept of Social Work, PSV
Visva-Bharati

Annual Report Visva-Bharati

EDITORIAL COMMITTEE

Prof. Abhijit Sen (Chairperson)
Prof. Somdatta Mondal, Member
Prof. Sarthak Chowdhury, Member
Prof. Sanjay Kumar Mallick, Member
Prof. Jayanta Bhattacharrya, Member
Prof. Sudeb Pratim Basu, Member
Prof. Saurav Dasthakur, Member
Prof. Santanu Roy, Member

Postal Address
Santiniketan, Birbhum
West Bengal, India-731235

Website
www.visva-bharati.ac.in

Fax
+91 (03463) 262-672

E-mail
visva-bharati@visva-bharati.ac.in

Telephone
(03463) 262 751-6 (6 lines)

