

VISVA-BHARATI

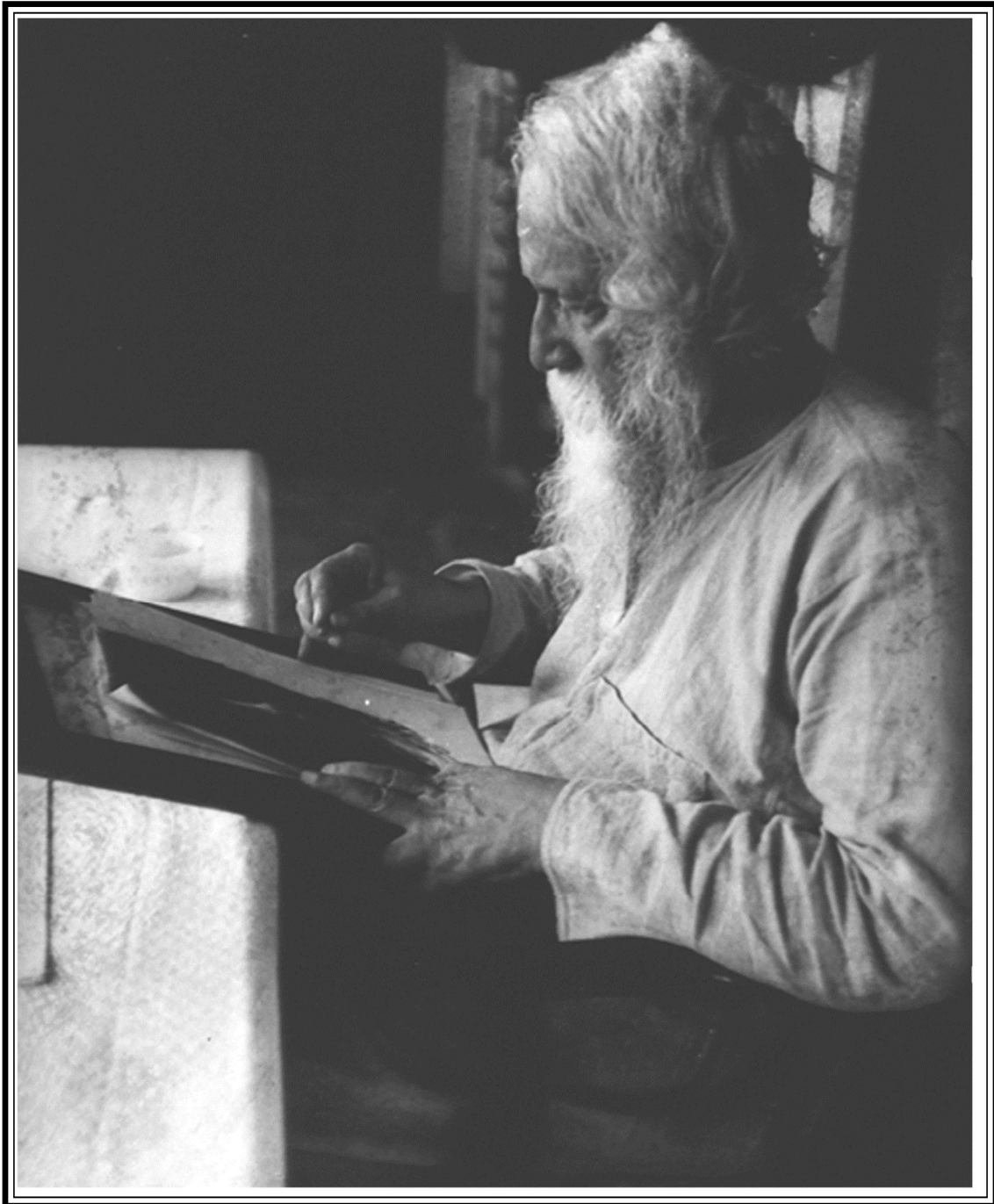
Annual Report 2020-2021



Santiniketan 2021

॥ यत्र विश्वं भवत्येकनीडम् ॥

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





आचार्य: श्री नरेंद्र मोदी
ACHARYA (CHANCELLOR)
SHRI NARENDRA MODI

संस्थापक: रवीन्द्रनाथ ठाकुर
Founder: Rabindranath Tagore

उपाचार्य: प्रोफेसर विद्युत चक्रवर्ती
UPACHARYA (VICE-CHANCELLOR)
PROF. BIDYUT CHAKRABARTY

Foreword


Founded in 1921 by the great humanist Gurudev Rabindranath Tagore, Visva-Bharati is hosting its centenary celebration this year. To commemorate the occasion, the university has prepared a detailed programme highlighting the distinctive pedagogical model that Gurudev devised in his time. The celebration was inaugurated on 24 December, 2020 by the Hon'ble Chancellor of the university, India's Hon'ble Prime Minister, Sri Narendra Modi, in the august presence of the Hon'ble Union Education Minister and also Minister of State of Education, Government of India. The celebration has proceeded with the organization of many events in conformity with the great tradition that the Nobel laureate Gurudev Tagore established.

Drawing on Visva-Bharati's motto *Yatra Visvam Bhavatyekanidam* (where the whole world meets in a single nest), the Visva-Bharati Parivar undertook a relief operation for the hapless villagers during the pandemic, which went on for more than three months with financial support from many of the university's well-wishers. The relief operation was a great help to those suffering, since their sources of income had suddenly dried up.

Apart from holding regular online classes and releasing examination results, Visva-Bharati is perhaps one of the rare universities where secondary and higher secondary examinations were held online, which pleased the examinees as this provided them with an opportunity to be assessed on the basis of their preparation for the examination. Furthermore, to help the members of the university community remain healthy both physically and mentally, the university is holding regular open yoga classes on weekday mornings. We are happy that the yoga classes have become very popular, cutting across different age groups. Relatedly, the university has also been organizing an hour of music therapy every evening (except Saturdays and Sundays). It is pertinent to note that the idea of music therapy was also referred to by Gurudev in his play, *Griha Prabesh* (1925) which reconfirmed the idea that music is a source of energy and well-being. This further shows that the tradition of the ancient Greek gymnasium has reemerged in the ashramic life of Visva-Bharati. Apart from this, Visva-Bharati has also held, at regular intervals, lectures by renowned medical practitioners who have been front-line soldiers in combatting the virulent Covid virus. Those who, in the campus, worked to take care of the university community (doctors, nurses, cleaning staff, security personnel and other) were also honoured in our regular Wednesday prayer meetings as Acharyas.

With support from the members of the university, it was easier for the Parivar to remain physically safe and mentally healthy. I am happy to be part of such a community that draws its sustenance by serving the disempowered people around the campus, especially those in our sixty adopted villages. Gurudev started this tradition by founding the Sriniketan campus with the adoption of fifty villages; now, we have added ten more villages. We provide the villagers with skills of various kinds (for instance, pottery, iron work, weaving, among others) to prepare them for joining the country's workforce.

For our centenary year, we have taken an oath. We vow to bring back Visva-Bharati's past glory, for the benefit of future generations who will derive sustenance and intellectual inspiration from this great seat of learning. Thus, we are committed to evolving an environment in which Visva-Bharati flourishes as a world centre for the creation and dissemination of knowledge. This would be fulfilling our responsibility to not only posterity, but also to our great founder, Gurudev Rabindranath Tagore, who, along with his compatriots, sought to bring about universal humanism in the form of a university.


Prof. Bidyut Chakrabarty
Vice Chancellor
Visva-Bharati
Santiniketan

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CHAPTER-1

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

Visva-Bharati, which epitomizes culmination of Asia's first Nobel Laureate poet Rabindranath Tagore's dream of an institution, slated to deliver holistic education, as preached in the Upanisadas (that which emancipates is knowledge), had a very modest beginning. In 1863, Debendranath Tagore, the poet's father and a harbinger of nineteenth century Bengal Renaissance took the user's 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

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only for intellectual exploration, but of vital creation as well and the teaching should be the overflow of this spring of culture, spontaneous and inevitable."

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

The Brahmacharya School during 1924 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 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 Visva-Bharati. In 1994, the establishment of the Nippon-Bhavana added another feather to promote advance studies in Japanese language and culture. The foundation stone of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Pandit Banarasidas Chaturvedi bore fruit with the completion of the Hindi-Bhavana building on 31 January 1939.

In May, 1951 Visva-Bharati was accorded the status of Central University and "an institution of national importance."

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

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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-Poverty 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.

Chapter-1

Functions & Festivals:

The functions and festivals of Visva-Bharati are unique and have influenced, to a great extent, the life style of the members of the University community. On these occasions, the entire community comes together in the wide open beauty of nature to experience a traditional Ashram life, chanting Vedic hymns and singing Rabindra Sangeet in the Mandir, Chatimtala and Amrakunja.

Santiniketan Karmi-Mandali organized the following functions and festivals of the University during the year 2020-2021:

1. Barsha-Sesh on the occasion of Bengali Year ending on 30th Chaiytra, 1426 (13th April,2020)
2. Naba-Barsha on 01st Baishak, 1427 (14th April,2020)
3. Gurudeva Smarana, the death anniversary of Gurudev and Briksha ropan was observed on 22nd Sravana, 1427 (7th August, 2020)
4. Halakarshana Utsava was celebrated on 23rd Sravana, 1427 (8th August, 2020) at Sriniketan.
5. Prayer was organized in Upasana Griha in memory of our Former Visitor and Former President of India Pranab Mukherjee on 04th September, 2020.
6. Silpotsava was celebrated at Silpa Sadana, Sriniketan on 31st Bhadra, 1427 (17th September, 2020)
7. Special prayer on the occasion of 200 years birth anniversary of Vidya Sagar on 22nd September,2020.
8. Special Prayer for birth anniversary of Mahatma Gandhi on 2nd October, 2020.
9. Cultural Evening on 5th October 2020 at Lipika Auditorium
10. Dipabali was observed on 28th Kartik, 1427 (14th November,2020)
11. Cultural Evening on 15th October, 2020 at Lipika Auditorium
12. Dinendra Janmotsava was observed on 02nd Poush, 1427 (18th December,2020)
13. Special Programme was staged on occasion of visit of Honorable Home Minister Sri Amit Shah at Bangladesh Bhavana on 20th December,2020.
14. Poush Utsava was observed during 06th Poush and 09th Poush (23rd December, 2020 to 26th December,2020 at Chhatimtala, the beginning of a four days festival with various cultural programmes, exhibitions and other entertainments widely known as Poush Mela.
15. Special Prayer and a cultural evening for the of 158th Birth Aniversery of Swami Vivekananda on 12 January, 2021.
16. Maharshi Smarana, the death anniversary of Maharshi Devendra Nath Tagore was observed on 06th Magh , 1427 (20th January,2021)
17. Special Prayer for 125th birth anniversary of Netaji Subhas Chandra Bose on 23rd January, 2021.
18. Special Prayer for Magh utsava on 25th January, 2021.
19. Anniversary celebration of Sriniketan was observed from 23rd Magh to 25th Magh February 06 to 08, 2021).

Finance

The University is almost totally dependent on the U.G.C. grants for day to day running of expenditure, a major part of which is in the nature of Salaries/Pensions/ Retirement Benefits etc. to teaching and non-teaching staff. The Maintenance grant (during 2020-2021) received from U.G.C. is **Rs. 29089.51** lakhs as against actual expenditure to the tune of **Rs. 29866.99** lakhs with an internal generation of **Rs. 1100.28** lakhs.

Status of teaching employees as on 31.03.2021

| Post | Total |
|---------------------------------|--------------|
| Professor | 141 |
| Associate Professor | 77 |
| Assistant Professor | 248 |
| Assistant Lecturer & Equivalent | 92 |
| Total | 558 |

Administrative Staff Composition as on 31.03.2021

| Post | Total |
|--------------|--------------|
| Group-A | 52 |
| Group-B | 187 |
| Group-C | 385 |
| Total | 624 |

Student Composition as on 31.03.2021

Students admitted: UG-1426, PG-1587, M.Phil-97,
Ph.D-269, Diploma/Certificate-283

Students' of Patha Bhavana (Total): 1118

Students' of Siksha-Satra (Total): 879

CHAPTER-2

BHASHA-BHAVANA

(Institute of Language, Literatures & Culture)

Bhasha-Bhavana the Institute of Language, Literatures & Culture consists of ten major language departments, two centers and three language units. It was carved out from the erstwhile Vidya-Bhavana in February 2010 and given an identity of its own. Its office and some major departments were shifted to the new building at Purvapalli in 2014, while some departments retained their earlier premises.

The constituent departments of Bhasha- Bhavana offer undergraduate, postgraduate, M. Phil. and Ph.D. Courses, along with Certificate, Diploma Courses in language and literature. Courses are available for Foreign students as well. The department of English has continued with its 2nd phase of the UGC SAP- DRS (Departmental Research Scheme) Programme, moving forward with its thrust area, “Rabindranath Tagore: East- West Confluence”. The departments of Chinese and Japanese have promoted meaningful exchanges and collaboration with the Overseas universities.

Each constituent department has conducted its own seminar/conferences and special lectures- both of national and international stature. Apart from that, Bhasha- Bhavana itself conducted a National- level Workshop on “Research Methodology in Language, literature and culture: Theory and Application” where advanced researchers interacted with National/International faculty in several departments and this enriched the academic profile of those departments, while regular visits by Global /National scholars have encouraged the dissemination of rich ideas in areas of pedagogy and research.

The uniqueness of Bhasha- Bhavan lies in serving as a centre of confluence for Indian and Foreign languages/ literatures/ cultures. Functioning as a Melting Pot for the best cultural aspects of the East and the West, Bhasha- Bhavana showcases the motto of the institution, “where the whole world meets in a single nest”, thereby upholding the ideals of the founder Rabindranath Tagore.

DEPARTMENT OF BENGALI

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examination:

UGC-NET : 06

1. Barnali Pal
2. Shibnath Datta (JRF)
3. Sangita Chakraborty (JRF)
4. IndraniRooj (JRF)
5. Rahul Ghosh (JRF)
6. ShrinathMaity

WBCSC-SET : 10

1. Susmita Pal
2. Amirul Mondal
3. Prasenjit Mahato
4. Sunanda Mandal
5. Sourav Chakraborty
6. Sangita Saha
7. Rahul Mandal
8. Manasi Hembrom
9. Urmi Pandey
10. Pralhad Roy

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

1. Speakers: Presided over by Prof. Sumita Bhattacharyya, other speakers were Dr. Arjunde Sensarma, Associate Professor, Department of Comparative Literature, Assam University, Silchar, Dr. Biswajit Ray, Associate Professor, Department of Bengali, Visva-Bharati, Dr. Joydeep Ghosh, Assistant Professor, Department of Bengali, Jadavpur University.
Title of the Webinar: "BangiyaMahamarirNanarup",
Date: 31.05.2020
2. Speakers: Prof. Manabendra Mukhopadhyay, Professor, Department of Bengali, Visva-Bharati
Title :Rathindra Smriti Baktrita
Date: 27.11.2020

National and International standard Conference/ Seminar/ Workshop/ Exhibition etc:

** Please see Appendix

Publication within the year April 2020-March 2021 :

Books :

1. *Sabdo Niye Nanarakom*, Amal Pal, Dey's Publishing, Kolkata - 700073, ISBN: 978-93-89890-65-5
2. *Chhotogalper Rabindranath O Anyanyo*, Atanu Sasmal, Saptarshi Prakashan, ISBN: 9789389839234, 80/1B, Mahatma Gandhi Road, Kolkata-9, October 2020.
3. *Sashoker Monbodol Othoba Biplab*, Dey's Publishing, Kolkata, March 2021, ISBN: 978-93-90467-95-2

Articles/ Chapters in Anthologies/ Journals/ E-journals :

- '*Mahamarir Jol Rajnitir Uthone*', Manabendra Mukhopadhyay, *Lockdown-er Dinlipi* (Ed. Abir Mukhopadhyay), BoiwalaBookcafe, Santiniketan, August 2020 (2nd Edition), pp 41-45. ISBN: 978-81-944199-7-6.
- '*Mon Boslo Na Dnare*', Manabendra Mukhopadhyay, *Lockdown-er Dinlipi* (Ed. Abir Mukhopadhyay), Boiwala Book Cafe, Santiniketan, August 2020 (2nd Edition), pp 97-99. ISBN: 978-81-944199-7-6.
- '*Chunkuyor Dinguli*', Manabendra Mukhopadhyay, *Desh* (Ed. Suman Sengupta), Kolkata, Sharadiyo 1427 BS, pp 417-426, Registered KOL. RMS/235/2019-2021, RNI No 44046786(UGC-approved and enlisted Bengali periodicals as per latest notification in the AY 2020-21).
- '*Rabindranather Adhunik Sahitya: Prabandho samuher Antorjog*', Manabendra Mukhopadhyay, *Korok* (Ed. Tapas Bhoomik), Kolkata, Sharad 1427 BS, pp 68-79, RN No 41092(UGC-approved and enlisted Bengali periodicals as per latest notification in the AY 2020-21).
- '*Atitannshishtho Sudhindrapath*', Manabendra Mukhopadhyay, *Desh* (Ed. Suman Sengupta), Kolkata, November 17, 2020, pp 79-81, Registered KOL. RMS/2019-21, RNI No 44046786 (UGC-approved and enlisted Bengali periodicals as per latest notification in the AY 2020-21).
- '*Vidyasagarer Juktikathhamo O Tar Swar-Swarantor*', Manabendra Mukhopadhyay, *Swarantar* (Ed. Dwijendra Bhoomik), Kolkata, January, 2021, pp 114-137, ISSN: 2395-0935. *Rabindra-Chhotogalpo: Subha O Shasti*, by Atanu Sasmal, Edited by Jayita Dutta, *Bangla Chhotogalpo: Kaler Britte*, Vol. 1, Progressive Publishers, ISBN: 9788180643026, 37A, College Street; Kolkata-73, September 2020.

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- *Avinayer Dui Gharana: Mrityuteo Amolin*, by Manabenranath Saha, Masik Kritibas, Nov, 2020, Kolkata -2
- *Ramkrishnadeber 'Katha'*, by Biswajit Ray, Nibadhato (UGC referred journal), Sept-Oct 2020, ISSN: 0972-4877, pp.189-194
- *Shrimor 'Katha'*, by Biswajit Ray, Nibadhato (UGC referred journal) Nov-Dec 2020, ISSN: 0972-4877, pp.338-348
- *Paramhangsha Vivekananda Sambad*, by Biswajit Ray, Nibadhato (UGC referred journal) Jan-Feb 2021, ISSN: 0972-4877, pp.453-463
- *Kathamrite Manushyasharirer Samajikata*, by Biswajit Ray, Nibadhato (UGC referred journal) Jan-Feb 2021, ISSN: 0972-4877, pp.587-597
- *"Iswarchandra Bandyopadhyay:Ekush Sataker Narir Chokhe"* by Rita Modak in "MahajibanerMahapathik Vidyasagar", edited by Sebak Jana, Published by 'KABITIKA',Medinipur, September-2020
- *'Bangalir Shikkha, Banglabhasa o Rabindranath'*, by Rita Modak published in "EASTERN NEWS" from Assam on 19th May 2020
- *'Samaj Badaler Swapna o Badal Sircar-er Third theatre'*, by Payel Mukherjee,2020, in *Together Towards Tomorrow: Role of Persian, Marathi, Hindi and other Languages for Sustainable Development*, edited by Mohammad Faique, Arnab Enterprises, New Delhi, ISBN: 978-81-93658-55-0, p.297-312
- *'Saoli Mitra-er Natak: MahabharaterAynay e Juger Kathakata'*, by Payel Mukherjee, January 2021, Bangla BibhagiyaPatrika 2020-21, Vol. 23, Jadavpur University, Kolkata, p.138-158
- *'Panjare Danrer Shabda: Sei ArokachakachiAsa'*,by Payel Mukherjee, February 2021, in *Prabahita Manushyatwa: Fire Pora Sankha Ghosh-er KabitarBoi*, edited by Tapan Goswami, Ashadeep, Kolkata, ISBN: 978-93-88868-48-8, p. 137-142
- *"Chetana 'MadhabirPrati' (Series Kabita) : Bindute Sindhu Darshan"*, by Milankanti Biswas, Banani : Binod BeraSangkhyia ed by Adhir Krishan Mandal, Oct – March 2021, ISSN 2581 9828, page 296 – 301
- *'Pat o Pater Gan : Bibidher Modhye Oikya'*, by Milankanti Biswas, Prabahaman Lokosangskriticharcha ed by Prabhat Chandra Das, PustakBipani, February 2021, ISBN 978-93 82663-97-3, page 140 – 143

****APPENDIX:**

Mrinalkanti Mandal

Extension Activities:

- Member of the Board of Post graduate Studies in Bengali of Burdwan University.
- Member of the Board of Post graduate Studies in Bengali, Assam University, Silchar, Assam.

Amal Kumar Pal

Conference / Seminar / Workshop etc.:

1. 9.02.2021: Delivered an invited Keynote address entitled ‘1947- ParaborotybanglaKabita’, International Webinar organized by Saltora Netaji Centenary College, Saltora , Bankura
2. 17.03.2021: Delivered an invited lecture entitled ‘Rabindra-Bhavaner Katha’, organized by the Centre For Comparative Literature, Visva-Bharati.

Abhra Bose

Conference / Seminar / Workshop etc.:

1. 22.06.2020: Delivered an invited Online Lecture organised by Department of Bengali, Prabhatkumar College, Contai. The title of the Lecture: বাজে কথায় আর অকাজের বীন্দ্রনাথ
2. 30.06.2020: Delivered an invited online lecture and presented a paper as a Resource Person on the occasion of the Golden Jubilee Celebration in a National Webinar entitled “প্রাতিষ্ঠানিক বিদ্যাচর্চা ও বাংলাসাহিত্য” organized by the Department of Bengali, University of Kalyani. The title of the Lecture: উচ্চশিক্ষায় বাংলা পঠন-পাঠন নিয়ে কিছু প্রশ্ন, কিছু প্রস্তাব
3. 14.07.2020 : Delivered an invited online lecture and presented a paper as Resource Person in a National Webinar entitled “রবীন্দ্রসাহিত্য পাঠের ভূমিকা”, organized by the Department of Bengali, Govt. General Degree college, Narayangarh. The title of the Lecture: রবীন্দ্রকবিতা পাঠের উপক্রমনিকা
4. 19.07.2020: Delivered an invited online lecture and presented a paper as a Resource Person in a National Webinar entitled ‘Prasanga Rabindranath’ jointly organized by the Department of Bengali, History and IQAC, Jangipur College, Jangipur, Murshidabad. The title of the paper : রবীন্দ্রগানে লোক উপাদান
5. 21.07.2020: Delivered an invited online lecture and presented a paper in the International Webinar entitled “Use of New Technology in Contemporary Bengali Studies: Limitation &

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Extension” organized by Pragjyotish College, Guwahati. The title of the lecture: বাংলা সাহিত্যে
প্রযুক্তি: সম্ভাবনার দিক.

6. 1.08.2020: Delivered an invited online lecture and presented a paper as a Resource Person in a 2-Day International Webinar entitled “রবীন্দ্রসাহিত্য ও রবীন্দ্রসঙ্গীতে মিথ ও পুরাণভাবনা. organized by the Department of Bengali, Calcutta Girls College. The title of the Lecture: রবীন্দ্রনাথের রামায়ণ ভাবনা
7. 21.08.2020: Delivered an invited online lecture and presented a paper in the lecture series entitled “Critical Times, Critical Thinking, SundarbanMahavidyalaya, the title of the lecture বাংলায়: তত্ত্বিকপরিসর
8. 11.09.2020: Delivered an invited online lecture and presented a paper organised by Department of Bengali, Srisikshayatan College. The title of the Lecture: রবীন্দ্রনাথের পূজারগান.
9. 25.09.2020: Delivered an invited online lecture and presented a paper as a Resource Person in a National Webinar entitled “Cinema and Bengali Literarute” organized by the Department of Bengali, Gurucharan College, Assam and IQAC, Assam. Title of the Lecture: রবীন্দ্রনাথ ও বাংলা সিনেমা.
10. 22.11.2020: Delivered an invited online lecture and presented a paper organised by Department of Bengali, Cotton University. The title of the lecture: রবীন্দ্র কবিতার শেষ দশক

Other Activities:

Member of the Board of Studies of Jadavpur University

Member of the Executive Committee of Tagore Research Institute, Kolkata

Manabendranath Saha

Conference / Seminar / Workshop etc.:

1. 18.05.2020: Delivered an invited online lecture entitled “Satyajit Ray Birth Centenary Memorial Lecture” organised by Pratibade Pallasy, Nadia.
2. 1.06.2020: Delivered an invited online lecture in the International Webinar organised by Lalgola College, Murshidabad. Title of the Lecture: Chalochittro o Nazrul.
3. 18.06.2020: Delivered an invited online lecture in the national webinar organised by Department of Comparative literature, Asam University, Guahati. Title of the Lecture: Bhaskar Chakrabartir Kabita
4. 30.06.2020: Delivered an invited online lecture in the International Webinar organised by Department of Bengali, Nabadwip College, Nadia. Title of the Lecture: SatyajiterChalochittreMeyera

5. 1.07.2020: Delivered an invited online lecture and presented a paper in the Conference, organised by Bookvillage. Com, Chattogram, Bangladesh. Title of the Lecture: Sahitya: Ganamadhyam O SamokalinChinta
6. 18.08.2020, Delivered an invited online lecture organised by Nikhil Bharat Bango SahityoSammelon, Ranigang, Title of the Lecture: SatyajiterChalochittro: Kolkata Trilogy
7. 1.09.2020: Delivered an invited online lecture on Facebook Live, Organised by Presidency University Publication Society, Title of the Lecture: Kabi Birendra Chattopadhyay
8. 22.09.2020: Delivered an invited online lecture organised by WBCUTA. Title of the Lecture: SatyajitRayerChalochittro: Seshdasak
9. 29.09.2020: Delivered an invited online lecture organised by Ai Abogahon Sahitya Patrika. Title of the Lecture: Bangla CinemarItihaas
10. 13.10.2020:, Delivered an invited online lecture and presented a paper in webinar Organised by Bangladesh Shilpakala Academy, Dhaka. Title of the Lecture: Bangla Chalochittro: Coronar Purbapar

Manabendra Mukhopadhyay

International

1. 14.06.2020 : Delivered an invited online lecture and presented a paper as a Resource Person in a Five-day International Webinar entitled‘Samaj, Sahitya O Sankriti : Sankat O Uttaran’ jointly organized by the Department of Comparative Literature (Assam University, Silchar) and ‘The Polyphony’(Magazine). The title of the paper was ‘Bangla Samaj O Sahitya: MahamarirItihaserRakamfer’.
2. 20.07.2020 : Delivered an invited Keynote address in a Three-day International Webinar entitled ‘Sahitya, Samaj O Sankriti : Prasanga Mahamari’ organized by the Department of Bengali(Assam University, Silchar)).
3. 17.09.2020: Delivered an invited online lecture and presented a paper as a Resource Person in an International Webinar entitled ‘Bangladesher Sahitya’ organized by Purbasthali College, PurbaBardhaman. The title of the paper was ‘BangladesherKathasahitya O Natok : Barga-SwatantryerPrashno ’.

National

1. 5.07.2020: Delivered an invited online lecture and presented a paper as a Resource Person in a National Webinar(Series-6) entitled ‘Rabindra Kathasahitya : Sanga, Swarup-Jijnasa’ organized by the Department of Bengali and IQAC, Rabindra Mahavidyalaya, Champadanga, Hoogly. The title of the paper was ‘SangrupJijnasay Rabindranath : UpanyasarChhotogalpo’.

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2. 19.07.2020: Delivered an invited online lecture and presented a paper as a Resource Person in a National Webinar entitled 'Prasanga Rabindranath' jointly organized by the Department of Bengali, History and IQAC, Jangipur College, Jangipur, Murshidabad. The title of the paper was 'Academic Rabindracharchar Gatiprakriti'.

Others

1. 27.11.2020 : Delivered an invited online lecture in the Annual 'Rathindra Memorial Lecture' organized by the Department of Bengali, Visva-Bharati, Santiniketan. The title of the lecture : 'ItikatharTapovon O RabindranatherAsram'.
2. 2.10.2020 : Delivered an invited lecture entitled 'Prof. Amlan Dutta Memorial Lecture' organized by 'EiAbagahan'(Magazine). The title of the lecture was 'GandhijirChintakathhamoyPrachya O PaschatyaUpadan'.
3. 3.12.2020 : Delivered an invited online lecture as a Resource Person in the Refresher Course entitled 'Recent Trends in Language and Literature' (online mode) organized by HRDC of the University of Burdwan from 2-15 December 2020. The title of the first lecture was 'Academic RabindracharcharSampratik'.
4. 4.12.2020 : Delivered an invited online lecture as a Resource Person in the Refresher Course entitled 'Recent Trends in Language and Literature' (online mode) organized by HRDC of the University of Burdwan from 2-15 December 2020, The title of the second lecture was 'Rabindranath "Bojha" Rabindranath "Para"'.

Administrative Activities:

- Have been rendering service as Chief Coordinator, Bangladesh Bhavana from 7 July 2018 to till date.
- Nominated Member of ICCPSHWW, Visva-Bharati in the AY 2020-2021 to till date.

Atanu Sasmal

Conferences/Seminar/Workshop etc. :

1. 21.02.2021 : Delivered an invited online lecture in a seminar entitled as 'Antorjatik Matribhasha Dibas' organised by Khatra Cultural Society, Khatra, Bankura, 722140. title of lecture: 'Matribhashar Sankat Antorjatik stare'

Rita Modak

Conference / Seminar / Workshop etc.:

1. 31.05.2020: Delivered an invited online lecture in the National Webinar Organized by Malda College, Topic: Dwitiya Biswazuddha Samakalin o Paraborti Kathasahitye Sankat o Sankatmukti.
2. 25.06.2020: Delivered an invited online lecture in the International Webinar Organized by Ekalabya Prakasoni, Topic: Paribesh Bipannata o Banglasahitya.
3. 22.09.2020: Delivered an invited lecture organized by HRDC, University of Burdwan on, Topic: Positional Changes of Women in Bengali Fiction in the Context of Partition.
4. 8.03.2021: Delivered an invited online lecture organized by IQAC & WOMEN'S CELL of Uluberia College on Topic: Nari Parisar: Narir Pratibedane

Shreela Basu

Conference / Seminar / Workshop etc.:

1. 16.06.2020: Delivered an invited online lecture as a Resource Person in a Webinar organised by the Department of Comparative Literature, Assam University, Silchar. The title of the Lecture : বাংলা মন্দির প্রতিষ্ঠার সংকট ও উত্তরণ: ঔপনিবেষিকপর্ব
2. 24.07.2020: Delivered an invited online lecture as a Resource Person in a Webinar organised by the Department of Bengali, BelurMahavidyalaya. The title of the Lecture: রবীন্দ্রনাথের দেশ

Biswajit Ray

Conference / Seminar / Workshop etc.:

1. 13.03.2021: Delivered an invited online lecture entitled “UnishShatokerBhadralok O Bhadraloker Bangla Sahitya” in UGC Sponsored refresher course organized by Department of Bengali, University of Calcutta
2. 18.03.2021: Delivered an invited online lecture entitled “What is Academic Writing in Bangla” in national writing workshop organized by Department of Comparative Indian Language and Literature, University of Calcutta.
3. 25.03.2021: Delivered an invited online lecture and presented a paper in a national seminar entitled ‘Gandhi in Bengali Literature’ organized by Sahitya Akademi. Title of the lecture “Bangla Prabandha Sahitya O Gandhi.

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Milan Kanti Biswas

Conference / Seminar / Workshop etc.:

1. 13.07.2020 to 19.07.2020 : Participated and presented a paper in Workshop as a resource person entitled ‘‘PrabahamanBnaglaSahityeSomay Chetana: Byakti o SamoshtirDwandwa’ organised by Department of Bengali, Bankura University. Title of presentation: ‘Prabahaman BnaglaSahityeSomay Chetana: Byakti o Samoshtir Dwandwa: PrekshitLokosahitya’

Payel Mukherjee

Conference / Seminar / Workshop etc.:

Participation in Faculty Development Programme: 1. Participated in the Short Term Course entitled ‘Disaster Management’, 9.03.2021-15.03.2021, UGC-HRDC, University of North Bengal

DEPARTMENT OF ENGLISH

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

- a. Argha De SET 2020
- b. Atreyee Charaborty SET 2020
- c. Mayuri Bhakat SET 2020
- d. Sumana Das SET 2020
- e. Taniya Pramanick NET 2020
- f. Suparna Shil UGC NET qualified JRF 2020
- g. Srijani Dutta NET 2020
- h. Amrita Chattopadhyay GATE 2021
- i. Atish Das NET 2020

Conference / Seminar / Workshop / Exhibition (only National and International)

Abhijit Sen (retired on 31 January 2021)

- 08.05.2020: Delivered a Special Online Lecture organized by the Gour Banga University Drama Club. Title of presentation “Rabindra-vabnay Desh, Nation, Theatre.”
- 17.06.2020: Delivered a Special Online Lecture organized by the Department of English, S. R. Fatehpuria College. Title of presentation “Doctor Faustus: a Renaissance Tragic Hero.”

Amrit Sen

- 07.05. 2020 - 08.05.2020.: Delivered a plenary lecture at a National Webinar on *Retrospection and Relevance of Rabindranath Tagore's Literature* organized by Shri Sangameswar Arts and Commerce College, Karnataka. Title of presentation “Tagore, Disease and Convalescence.”
- 08.05.2020.: Delivered a plenary lecture at an International Webinar on *Tagore Sans Frontiers* organized by the GITCC, Embassy of India, Mexico. Title of presentation “Tagore... as Paz saw Him.”
- 16.05.2020 – 17.05.2020: Delivered a plenary lecture at a National Webinar on “Language and Literature in the Digital Age” organized by Mithibai College in association with Literary Society of India and the University of Mumbai. Title of presentation “Literature, Reading and Pedagogy during a Pandemic: What does the Past have to offer us?”
- 24.05.2020 – 25.05. 2020: Delivered a plenary lecture at an International Webinar on *Imagination, Expression, Transformation: Creating worlds with Words*”, organized by Sri Sangameswara College, Bangalore. Title of presentation "The Myriad Minded Tagore": *Creating Worlds through Art Forms.*”

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- 30.05.2020: Delivered a lecture at a Short-Term Course on Research Methodology in Humanities organized by Rajiv Gandhi University, Arunachal Pradesh. Title of presentation “New Approaches to Eighteenth Century Narratives.”
- 04.06.2020: Delivered an online lecture, organized by GNOSIS, a Literary Society, in *The Journal of the Plague Year*. Title of presentation “Such as no tongue can express: Trauma and Postmemory.”
- 06.06.2020: Delivered a lecture organized by LANGLIT a Literary Society. Title of presentation “Of Anthems and Identities: The Case of Rabindranath Tagore.”
- 12.06.2020: Delivered a lecture in the International Seminar on “Epidemics, Body and Medicine: Inquiries through Literary and Cultural Texts”, organized by Gokhale Memorial Girls College. Title of the presentation “Let the boundaries of this village become our Whole World: Women and the Plague in *Year of Wonders* (2001).”
- 13.06.2020: Delivered a lecture as part of Web Lecture Series organized by Onda Thana Mahavidyalaya. Title of the presentation: “Splendide Mendax: Reading *Gulliver’s Travels*.”
- 20.06. 2020: Delivered a Lecture at a National Web Lecture Series organized by Kharagpur College. Title of presentation “The Beautiful Oblique: Reading *Tristram Shandy*.”
- 25.06. 2020: Delivered a lecture organized by Prasanta Chandra Mahalanobish Mahavidyalaya, Kolkata. Title of presentation “Playing with the Form: *The Murder of Roger Ackroyd*.”
- 27.04. 2020 : .Delivered a lecture delivered as part of a National Webinar Organized by the Department of English NSS College Pandalam. Title of presentation “The Controversial Trip: Tagore and China.”
- 14.07.2020: Delivered a lecture as part of an online lecture Series organized by the Department of English, Midnapore College. Title of presentation “Games Authors Play: Reading *The French Lieutenant’s Woman*.”
- 17.07.2020: Delivered a lecture organized as part of an online lecture series organized by Katwa College. Title of presentation “The State of Nature and the Nature of the State”: Reading *Leviathan* vis-à-vis Eighteenth-Century Literature.”
- 29.07. 2020: Delivered a lecture as part of a National Webinar on “The Renaissance: Cross Cultural Perspectives”. Title of presentation “Nationalist Science, Nationalist Autobiography: Acharya Prafulla Chandra’s *Life and Experiences of a Bengali Chemist (1932)*.”
- 14.08.2020: Delivered a Lecture at the National seminar on “New Education Policy 2020 of India” organized by the Visva-Bharati Library Network. Title of presentation “Tagore and the New Education Policy.”

- 25.08.2020: Delivered a lecture organized by Al Azhar Training College, Thodupuzha, Idduki, Kerala. Title of presentation “Popular Culture as an Intermediary Art Form: An Eighteenth Century Perspective.”
- 09.09.2020: Delivered a lecture organized by Kazi Nazrul Islam Mahavidyalaya, Churulia, West Bengal as part of a week-long Web Lecture Series. Title of presentation “Interrogating Emerging Post-Pandemic Scenarios in Light of Covid-19.”
- 07.10. 2020: Delivered a lecture at a Refresher Course organized by the HRDC, Mumbai University. Title of presentation “Transitions and Aporias: Literature, Reading and Pedagogy.”
- 14.10.2020: Delivered a lecture as part of the International Virtual Talk Series, organized by Kumarguru College of Liberal Arts & Science, Coimbatore, Tamil Nadu. Title of presentation “Revisiting English Language and Literature in the Digital Era.”

Ananya Dutta Gupta

- 20.06.2020: Interviewed as invited conversationalist writer Kunal Basu at the Inaugural Event of an International Web Lecture Series, organized by the Department of English, Bankura Christian College.
- 13.07.2020: Delivered an invited online lecture at the Department of English, University of Gour Banga. Title of presentation “*Ut pictura poesis, or is it?* Words, Images, and Meaning.”
- 16.07.2020: Delivered an invited online lecture at the Department of English, Cooch Behar Panchanan Barma University. Title of presentation “Timely, Timeless: Watching Shakespeare, Reading Johnson.”
- 27.07.2020 – 29.07.2020: Participated actively in an online poetry writing workshop titled “All the Words in the World” organized by Yoda Press, New Delhi.
- 23.09.2020 – 25.09.2020: Presented a paper at a Clustered Webinar titled ‘Rabindranath Tagore in English: Prose, Poetry and Drama, organized by the Department of English & School of International Languages and Sister Nivedita University, Kolkata. Title of presentation “Time-Travelling with Achalayatan: Translatorial Insights.”
- 21.09.2020 – 22.09.2020: Delivered the Keynote Address at the Two-Day National Webinar on Women and Writing, Women in Writing, organized by the Department of English, Kidderpore College. Title of presentation “*Pandora Agonista: Unlocking the I, Me and Us of Women’s Reading and Writing.*”

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- 28.02.2021–01.03.2021: Presented a paper at the 8th Indian Social Work Congress, jointly organized by the National Association of Professional Social Workers in India, the International Consortium for Social Work and the Department of Social Work, Visva-Bharati, Santiniketan. Title of presentation “Towards an Empirical Philosophy of the Smartphone: Issues in Digital Communication.”

Debarati Bandyopadhyay

- 19.05.2020: Presented a paper in the online International Seminar entitled "A Century in Retrospect: Literary Signposts and Watersheds of the Last Hundred Years" organized by the Department of English, Shoolini University, Solan, Himachal Pradesh. Title of presentation: "Institutionalizing Ideas of Panopticon and Mind Games in *Nineteen Eighty Four*: Heritage and Legacy.”
- 15.06.2020: Delivered two online National- level Invited Lectures as part of an Online Lecture Series, organized by the Department of English, Midnapore College (Autonomous), West Bengal. Title of Presentation: “History of Ecocriticism: Theory and Praxis with Special Reference to India - I and II.”
- 30.07.2020: Delivered an Invited Special Address in a National Webinar entitled “Re-Negotiating Nineteenth Century Literature: Its History, Politics and Culture” organized by Patrasayar Mahavidyalaya, West Bengal. Title of presentation: “Victorian History of Ideas.”
- 09.10.2020-11.10.2020: Presented a paper in the online International Conference entitled “Four Hundred Years of American Literature: Back to the Basics" organized by MELOW- The Society for the Study of the Multi-Ethnic Literatures of the World and Shoolini University, Himachal Pradesh. Title of presentation: “Revisiting Thoreau.”
- 22.11.2020: Delivered an online Invited Lecture in the National-level Online Lecture Session organized by Rabindrik Psychotherapy Research Institute Trust, Kolkata. Title of presentation: “Tagore's Vision on Eco-consciousness and Eco-sustenance.”
- 21.01.2021: Delivered an online Invited Lecture at the National-level Lecture Series organized by Rabindra Parishad - Presidency University, Kolkata. Title of presentation: "Rabindranath-er Drishtite Manush ("Man", 1933)".

Goutam Ghosal

- 06.06.2020: Delivered a talk at a webinar organized by Sri Aurobindo Foundation for Indian Culture (SAFIC). Title of presentation “On Borderline and Across: A Critical View of the Poetry of Tagore and Sri Aurobindo.”

- 21.06.2020: Delivered a talk at a webinar organized by Malda College, Malda, West Bengal. Title of presentation “Murder in the Cathedral: A Mythical Self-Giving and a New Dramaturgy.”
- 14.07.2020: Delivered a talk at a Webinar organized by Netaji Subhas Mahavidyalaya, Haldibari, Coochbehar, West Bengal. Title of presentation “Dialogue with Death: Savitri as a New Woman.”
- 18.08.2020: Delivered an invited talk organized by New Alipore College. Title of presentation “The Nationalism of Aurobindo Ghose & Sri Aurobindo: Deconstructing the Left Ideologue.”
- 29.08.2020: Delivered a talk at an International Webinar on Film and Literature organized by Bombay University. Title of presentation “Iceberg: The Art of Ernest Hemingway and Satyajit Ray.”
- 15.10.2020: Delivered a talk at a webinar organized by Goutam Buddha University, Noida. Title of presentation “Sri Aurobindo: A Revised History of English Poetry and a New Poetics.”
- 30.10.2020: Delivered a talk at a webinar organized by SAFIC. Title of presentation “Sri Aurobindo's Vision on Poets, Poetry, Poetics and Poetic Criticism.”

Dipankar Roy

- 05.06.2020: Delivered an invited lecture at the Department of English, Cooch Behar Panchanan Barma University. Title of presentation “Revisiting *GhareBaire*.”
- 08.06. 2020: Delivered an invited lecture at Department of English, Midnapore College, Midnapore. Title of presentation “Walter Benjamin and His Idea of Authorship: A Reading of the Author as producer”.
- 13.06. 2020: Delivered a special lecture at a two-day web-lecture series organized by the Department of English, Vijaygarh Jyotish Ray College. Title of presentation “The Modernist Poetics: Reading Eliot’s “Tradition and the Individual Talent.”
- 23.07.2020: Delivered a lecture at the International Webinar on “Transforming Disciplines: The Impact of Gender”, organized by Hiralal Bhakat College, Nalhati, Birbhum. Title of presentation “Leela Majumdar, Children’s Literature and the Question of Gender: An Appraisal.”
- 14.08. 2020: Delivered an invited online lecture organized by the Department of English, Vivekananda College for Women, Barisha. Title of presentation “Contemporary Theory and its Acceptability to Students of Literature.”
- 03.09. 2020: Delivered an invited online lecture at the Department of English, Rampurhat College, Birbhum. Title of presentation “The Death of the Author.”

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- 04.10. 2020: Delivered an invited lecture as part of a web-lecture series organized by Uluberia College, Howrah. Title of presentation “Gramsci’s The Formation of the Intellectuals from *The Prison Notebook*.”

Saurav Dasthakur

- 17.06.2020: Delivered online invited lecture as a part of a special web-lecture series organized by Department of English, Cooch Behar Panchanan Barma University, Cooch Behar. Title of presentation “*Biographia Literaria* as a Romantic manifesto.”
- 02.08.2020: Delivered an invited lecture at a National Webinar on “Sukumar Ray: The Oeuvre and the Translations” organized by Department of English, Haldia Government College, Haldia. Title of the presentation: “Nonsense, Nationhood and Bengali Modernity: Notes towards Reading *Abol Tabol*.”
- 02.09.2020: Delivered online invited lecture as a part of a special web-lecture series organized by Department of English, Rampurhat College, Birbhum. Title of presentation “Notes towards Reading *Orientalism*.”
- 16.09.2020: Delivered online invited lecture as a part of a special web-lecture series organized by Department of English, Turku Hansda LH Mahavidyalay, Birbhum. Title of presentation “The Problem of Gender in Chinua Achebe’s Fiction: The Case of *Things Fall Apart*.”
- 18.09.2020: Delivered online invited lecture as part of a special web-lecture series organized by Department of English, Chakdaha College, Nadia. Title of presentation “‘All that is Solid Melts into Air’: Reading Modernism in T S Eliot’s Poetry.”

Shaona Barik

- 7.10.2020: Presented a paper on ‘Uncanny Indian Rivers in British Mindset in Colonial India’ in a three- day webinar on ‘Conference on Indian Rivers’ organised by the Indian Institute of Advanced Studies, Shimla.

Stuti Mamen Lowang

- 24.04.2020: Presented a paper in the 51st Annual NeMLA Convention as a part of the session entitled "Who Belongs, Who Does Not: The Use of Comics as Literatures of Resistance" organized by the Northeast Modern Language Association and the University at Buffalo. Title of presentation "Buy the People: Exploring Dissent, Marginality, and Marketability in the Indian Comics Scene.”
- 01.07.2020 - 03.07.2020: Presented a paper in the 2020 International Graphic Novel and Comics Conference entitled "The Resonance of Comics: Social Impact and Possible Futures?" organized by the International Graphic Novel and Comics Conference and the

University of the Arts London. Title of presentation "Exploring 'Ugliness' as Resistance in Indian Graphic Narratives."

Sudev Pratim Basu

- 16.06.2020: Presented an online invited lecture of one hour on Popular Literature organized by The Department of English, Burdwan Raj College, Barddhaman, under the University of Burdwan, Barddhaman. Title of presentation "On Sherlock Holmes and Detective Fiction."
- 20.06.2020: Presented an online invited lecture of one hour in the Webinar titled *Rumours: Its Mechanism and Response* organized by the Department of English, St. Xavier's College, Burdwan, Barddhaman, under the University of Burdwan, Barddhaman. Title of presentation "Talk the Talk: Art, Rumour and Life in Post-print Capitalism."
- 25.06.2020: Presented an online invited lecture of one hour in the International Webinar titled *Post-Covid19 Environmentalism: Possible Futures* organized by the Departments of English and Political Science, supported by the IQAC, Dr. B. R. Ambedkar College, Betai, Nadia, under the University of Kalyani, Kalyani. Title of presentation "Deep Ecology versus the Deep Jungles: Problems, Praxis, Prejudice."
- 05.07.2020: Presented an online audio visual lecture-demonstration at the International Webinar on *Apocalypse Narratives: Literature and Popular Culture* jointly organized by the Department of English and the IQAC, Prafulla Chandra College, Kolkata, University of Calcutta. Title of presentation "'For we who grew up tall and proud/ In the shadow of the mushroom cloud': Rock Music and Apocalyptic/ Post-apocalyptic Visions."
- 09.07.2020: Presented an online audio visual lecture on "*The Ramayana: The graphic R(E)volutions*" at the *International Web Lecture Series on World Literature and Culture* organized by the Department of English, Panchmura Mahavidyalaya, Bankura University.
- 15.01.2021: Acted as discussant to *Dialogic: Visva-Bharati Young Scholars' Lecture Series* by Ranjani Ramachandran on "Forms of Hindustani Music: Diverse Interpretations on Performance" on zoom platform. Handled all post-presentation discussions and questions and answer sessions.
- 25.01.2021: Acted as discussant to *Dialogic: Visva-Bharati Young Scholars' Lecture Series* by Soumik Nandy Majumder on "Retelling Art through the Eyes of Children" on zoom platform. Handled all post-presentation discussions and questions and answer sessions.
- 24.01.2021: Acted as discussant to *Dialogic: Visva-Bharati Young Scholars' Lecture Series* by Surjya Kumar Saikia on "What Means 'Quality' in Higher Education" on zoom platform. Handled all post-presentation discussions and questions and answer sessions.

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Swati Ganguly

- 13.7.2020: Delivered an on-line invited lecture. Invitation by the Department of English, Coochbehar Panchanan Barma University. The title of presentation “Breaking free from oppressive marriage: reading Streer Patro.”
- 23.7.2020: Delivered an on-line invited lecture organized by the Department of English, Durgapur Women’s College. Title of presentation “Virginia Woolf and ‘herstory’ of women and fiction.”
- 9.12.2020: Delivered an on-line invited lecture by the Department of English, Benaras Hindu University. Title of presentation “A feminist reading of Renaissance gender politics: discourse and Drama.”

Tapu Biswas

- 08.12.2020: Delivered invited online lecture on “Introducing the Research Writing” at Department of English and Culture Studies in Manipur University.
- 09.12.2020: Delivered invited online lecture on “Indian Response to Western Theatre of the Absurd” at Department of English and Culture Studies in Manipur University.
- 11.12.2020: Delivered invited online lecture on “Badaal Sircar in connection with Manipur” at Department of English and Culture Studies in Manipur University.

Publications

Chapter in Book/Anthology Total = 03

- ‘Rabindranath Tagore: Imagining Nation, Imagining Theatre’ by **Abhijit Sen** in *Rabindranath Tagore’s Drama in the Perspective of Indian Theatre*, eds. Mala Renganathan and Arnab Bhattacharya. London: Anthem Press, 2020; pp.13-31. ISBN 978-1-78527-394-0.
- ‘Aflame’, translation of Jaya Gowala’s short story ‘Dabaagni’ by **Ananya Dutta Gupta** in Kalyani Thakur Charal and Sayantan Dasgupta (eds.), *Dalit Lekhika: Women’s Writings from Bengal*. Kolkata: Stree-Samya, 2020, pp.34-43. ISBN 978-93-81345-12-2.
- “Beyond Bardolatory: Rabindranath Tagore's Critique of Shakespeare's *The Tempest*” by **Swati Ganguly** in *Asian Interventions in Global Shakespeare: 'All the World's His Stage'*, eds. Poonam Trivedi, Paromita Chakravarti and Ted Motohashi (New York: Routledge, 2021), pp.213-227. ISBN 978-0-367-61519-2.

Articles in E-Journal Total = 11

- “Re-viewing Samuel Beckett and Re-presenting His Indianness by **Tapu Biswas** in the *International Journal of Culture Studies and Social Sciences*, Vol. XI, No. XIV. Eds. Amitava Roy et al. Kolkata: Avantgarde Press, June 2020, pp. 62-73.

- “Fiction into Drama: The Adaptations of BadalSircar” by **Tapu Biswas** in the *International Journal of Culture Studies and Social Sciences*, Vol. XII, No. XV. eds. Amitava Roy et al. Kolkata: Avantgarde Press, June 2020, pp. 42-61.
- “Badal Sircar in Manipur” by **Tapu Biswas** in *Theatre International*. Vol. X. eds. Amitava Roy et al. Kolkata: Avantgarde Press, November, 2020, pp. 67-74.
- “Badal Sircar Beyond Bengal: A Brief Discussion” by **Tapu Biswas** in *The Atlantic Literary Review*, Vol. 20 No 3-4, July-December Issue, January 2021, pp.141 -153.
- “Evam Absurd: Badal Sircar and the Matrix of Absurdism” by **Tapu Biswas** in the *Journal of the Department of English*; Vol 14 [2021], Vidyasagar University, Midnapore, West Bengal, India 721102, pp. 389 -400.
- ‘Palate Tales, Kitchen Truths: Coming Home to Cooking in the Time of Corona’ by **Ananya Dutta Gupta** in the *Rupkatha Journal on Interdisciplinary Humanities*, Pandemic Literature, 1st RIOCC Conference Issue, Volume 12, No.15, eds. Tirtha Prasad Mukhopadhyay and Tarun Tapas Mukherjee, 21 November 2021, E-ISSN0975-2935. <http://rupkatha.com/rioc1s25n0/>.
- ‘Reading Camus in the Time of Corona’ by **Ananya Dutta Gupta** in *Pandemics/Epidemics and Literature*, Special Issue, No.57, ed. Nishi Pulugurtha, *Café Dissensus*, 14 February 2021, ISSN 2373-177X. <https://cafedissensus.com/2021/02/14/reading-camus-in-the-time-of-corona/>
- ‘Poetry in Times of Turmoil’ by **Ananya Dutta Gupta** in Issue 95, Jan-Feb 2021, *Muse India*, ISSN 0975-1815, 18 February 2020, <https://museindia.com/Home/ViewContentData?arttype=poems&issid=95&menuid=9279>.
- ‘Pandora Pandemica’ by Ananya Dutta Gupta in the *Rupkatha Journal of Interdisciplinary Studies in the Humanities*, eds. Tarun Tapas Mukherjee and Pragati Das, E-ISSN 0975-2935 I Indexed by Web of Science, Scopus, ERIHPLUS, EBSCO, UGC, 14 April 2020, <http://rupkatha.com/pandora-pandemica/>
- War and Pandemic: Corona and its “Spectres” by **Ananya Dutta Gupta** in *Café Dissensus Everyday*, ed. Mosarrap Hossain Khan and Mary Ann Chacko, 6 June, 2020. ISSN 2373-177X.
- <https://cafedissensuseveryday.com/2020/06/06/war-and-pandemic-corona-and-its-spectres/>.
- “Ideology, Age of the Image and Television Advertising in India” by **Dipankar Roy** in *Asiatic: IIUM Journal of English Language and Literature*, Vol. 14 No. 1, June 2020, pp. 286-296. <https://journals.iium.edu.my/asiatic/index.php/ajell/article/view/1850>.

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Research Scholars' Publications

Chapter in Book

- “Beyond Humanism: An Epical Observation” by **Shangshita Goswami** in *Humanism and After: Literature's Journey From Humanism to Cyber Culture & Other Forms of Post-Humanism*, ed. Saikat Sarkar & Tanmoy Kundu. Burdwan: Avenel Press, November 2020, pp-87- 95. ISBN: 978-81-949068-2-7.
- ““We sit hunched together brooding/our fate”: Reading Some of Williams's Poems through the Sartrean Perspective” by **Pradip Mondal** in *New Academia*, Vol. IX, Issue III, July 2020, pp. 8-16. ISSN: 2347-2073. <https://interactionsforum.com/volume-ix-2020/vol-ix-issue-iii-july->
- “The Burning of the Khandava Forest: an Ecological Study of The Mahabharata” by **Shabnur Parveen**, *Environmental Crisis: Issues, Challenges, Portrayals and Laws*, Malda, Principal Manikchak College, 2021, pp. 80-89, ISBN: 978-81-926963-0-0.
- “Missing links or the Diasporic journey of a Rebel: A Study of H P Malet's *Lost Links in Indian Mutiny* (1867)” by **Debapriyo Paul** in *Border and Bordering: Politics, Poetics, Precariousness* Edited by Jayjit Sarkar and Auritra Munshi. Foreword by Bill Ashcroft, Ibidem Press, 2020

Article in E-journal (Total= 04)

- “Indian Society and Gender Roles: A Comparative Commentary on the Plays of Mahesh Dattani” by Sanchari Basak in the *International Journal of Research and Analytical Reviews*, Vol. 8, Issue 1, January 11, 2021, pp.519-521, E-ISSN2348-1269, P-ISSN2349-5138.
- “The Tragedy of Kashmir: An Interpretation of Vishal Bhardwaj's Film *Haider* (2014) and Basharat Peer's Memoir *Curfewed Night* (2008) by Sanchari Basak in the *International Journal of Scientific and Research Publications*, 2 February 2021, Volume 11, Issue 1, pp.787-791,ISSN: 2250-3153.
- “Childhood Memory and Ecological Identity: An Ecocritical Study of the Poetry of Seamus Heaney and Jibanananda Das” by Krishnendu Bera in *Sahityasetu*, Year-11, Issue 2, Cont. Issue 62, March-April 2021, n. pag. www.sahityasetu.co.in/issue62/bera.html.

Articles in Journals/E-Journals (Total=10)

- “Listening to the Polyphony in Nature: A Literary Perspective” by **Sangshita Goswami** in the *Journal of Higher Education and Research Society: A Refereed Journal*, Vol-8, Issue-2, pp: 369- 376. ISSN: 2349 0209.

- “*Draupadi: Revisiting the Past through the Lens of the Gendered Subaltern*” by **Sangshita Goswami** in *New Literaria: An International Journal of Interdisciplinary Studies in Humanities*, Vol-1, No. 2, November-December, 2020, pp: 119- 126. ISSN: 2582 7375.
- *King Lear’s missed opportunity at a Fairytale Ending* by **Debottama Ghosh** in *Yearly Shakespeare 2020 Volume XVIII/ Issue- 18* (International Peer Reviewed), 23 April 2020, pp. 41- 47, ISSN No. 0976-9536.
- “Divine promise or Mortal Betrayal?: Gendered and Religious Performance(s) from the Life of Saradamani Chattopadhyay” by **Amlan Guhathakurta** in the *Body Studies Journal*, July 2020, vol. 2, no. 3, pp. 19-28. ISSN: 2642-9772. URL: <https://bodystudiesjournal.org/divine-promise-or-mortal-betrayal/>
- “Outward Journey Inward: Blurred Boundaries in Italo Calvino’s *If on a Winter’s Night a Traveller*” by **Rishiraj Pal** in *Looking for Home: Journey and Boundary in Postmodern Texts*. Ed. Siddhartha Biswas. New Delhi: Atlantic, 2020. 175-83. Print. (ISBN 978-81-269-3150-7).
- “Framing Entertainment in Fantomina OR, Love in a Maze: Re-reading Eighteenth-century Female Novelists” by **Shabnur Parveen** in *The Criterion: An International Journal in English*, 2020, Vol. 11, Issue. VI, pp 172-178, ISSN 2278-9529, URL <https://www.the-criterion.com/V11/n6/BT03.pdf>
- “Becoming Tribal: Heritage, Identity and Ethno politics in Chetan Raj Shrestha’s *The Light of his Clan*” by **Jemima Phipon** in *Post Scriptum: An Interdisciplinary Journal of Literary Studies*, Vol 5, No.2, pp. 275-284.
- <https://postscriptum.co.in/archive/archive-v5/>
- “Deconstructing Language Classrooms: A Study of Digital Learning in the Indian Context” by **Tanmoy Putatunda** in *IUP Journal of English Studies*, September 2020, Vol.15, Issue 3, pp. 15-25 ISSN: 0973-3728
- “The Umbilical Connect between Nature and Narrative: Parismita Singh’s *The Hotel at the End of the World*” by **Rita Sarkar** *Drishti: The Sight*, Vol. IX, no. I (May - Oct. 2020), pp. 31-36.
- “Exploring the Possibility of Indigenous Art as Comics: Gond Art and *Bhimayana*’ by **Rita Sarkar** in *Aitihya: The Heritage*, Vol. XI, no. 2, Sept. - Oct. 2020, pp. 51-60.

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

- 20.06.2020. *Literature and Pandemic*, a Departmental Webinar, was organized and convened by Professor and Head of the Department, Amrit Sen.

Abhijit Sen, Title of presentation “Shakespeare and the Plague.”

Amrit Sen, Title of presentation “Defoe’s Narrative Sleight: *The Journal of the Plague Year*.”

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Ananya Dutta Gupta, Title of presentation ‘War and Pestilence: An Early Modern Chiasmus’, *Literature and Pandemic*.

- 28.06.2020. *Literature and the Pandemic*, Departmental Webinar II, was organized by the Department of English, Visva-Bharati.

Debarati Bandyopadhyay, Title of presentation “Sister Nivedita and Swami Vivekananda: Complementary Work on Plague.”

Shaona Barik, Title of Presentation “Haunted by the Empire: The British Man’s Tryst with Epidemics in India during the Nineteenth Century.”

Sudev Pratim Basu, Title of presentation “Doyle, Disease and Detection.”

Stuti Mamen, Title of presentation “Foretelling Horror: The Pandemic in Carmen Maria Machado’s Speculative Fiction.”

- 09.02.2021-12.02.2021: Three special invited lectures by **Paromita Chakravarti**, Professor of English, Jadavpur University. Organized, convened and moderated by **Swati Ganguly**, Professor and Head of the Department of English. Title of presentation “Interrogating the Renaissance.”
- 19.02.2021 & 25.02.2021: Two invited special lectures by **Doyeeta Majumdar**, Assistant Professor of English, Jadavpur University. Organized, hosted and moderated by Ananya Dutta Gupta. Title of presentation “The Tyrant and Usurper in Early Modern Drama.
- 22.02.2021: Special invited online lecture by **Subhankar Bhattacharya**, Assistant Professor of English, Techno India Main, Salt Lake. Organized, hosted and moderated by **Ananya Dutta Gupta**. Title of presentation “*Haply for I am black*. Reading Race in English Renaissance texts.”
- 23.02.2021: Special invited online lecture by **Subhankar Bhattacharya**, Assistant Professor of English, Techno India Main, Salt Lake. Organized, hosted and moderated by **Ananya Dutta Gupta**. Title of presentation “Pronounce that sentence on me, my liege. I cannot live out of her company”: Reading Male and Female Friendships in English Renaissance Texts.”

National and International standard Conference /Seminar /Workshop / Exhibition etc': Details of-chairing/evaluation/presentation made by Teachers/Research Scholars.:

Amrit Sen

- 12.06.2020: Chaired a session the International Seminar on “Epidemics, Body and Medicine: Inquiries through Literary and Cultural Texts”, organized by Gokhale Memorial Girls College.

Ananya Dutta Gupta

- 22.08.2020: Chaired a session on Pandemics in Literature at the First Rupkatha International Open Conference on Recent Advances in Interdisciplinary Humanities (Virtual).

Tapu Biswas

- Completed the UGC Sponsored Short Term Course entitled “Counseling and Stress Management” organised by UGC, Human Resource Development Centre, Jadavpur University from 2nd February 2021 to 8th February 2021 .

Research Scholar’ Conference/Seminar/Workshop Participation/Presentations

Arijit Saha

- 03.10.2020-04.10.2020: Presented a Paper in the virtual 2nd Doctoral Colloquium (national) organised by St. Xavier’s University, Kolkata. Title of presentation “Challenging Patriarchal Procedures in Rape Cases: Feminist Interventions in *Unbelievable*.”

Debottama Ghosh

- 25.09.2020 – 27.09.2020: Presented a paper in the International E- Conference on *Rethinking the Postcolonial: Texts and Contexts*, organized by *New Literaria*, an International Journal of Interdisciplinary Studies in Humanities, in collaboration with Department of English, Assam (Central University). Title of presentation “Sita’s Agnipariksha in Post- Colonial India is to find her voice through translation and transcription.”
- 12.10.2020: Presented a paper in Young Researchers’ International Webinar, entitled *The Evolution of Bengali Identity: Reflections in Literature, Culture and Society*, organized by Post Scriptum: An Interdisciplinary Journal of Literary Studies (Publication of the Department of English, Sarat Centenary College). Title of presentation “The Emerging Bhadrāmohila of Colonial Bengal: Subarnalata’s journey from the periphery to the centre.”

Debapriyo Paul

- 14.07.2020 – 20.07.2020: Participated in a 7 day online International Workshop on Text and Music Digitization, organized by Rabindra Mahavidyalaya, Hooghly.
- 04.07.2020: Presented a talk online organized by PG Department, Midnapore College. Title of presentation “On Edmund Spenser’s *The Fairie Queene*.”

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- 16.08.2020: Presented a talk online organized by Sunadarban Mahavidyalaya. Title of presentation “On Uday Shankar’s *Kalpana*.”
- 27.08.2020: Delivered a talk as part of special web lecture series organized by Naba Barrackpur Prafulla Chandra Mahavidyalaya. Title of presentation ‘Heart of Darkness and the Beginning of Literary Modernism.’
- 16.09.2020: Presented a paper as a Resource Person at an International Seminar on Shakespeare, titled ‘In a State of Exception: Shakespeare’s Measure for Measure by Cheek by Jowl’, organized by Mahadevananda Mahavidyalaya, Barrackpore.

Jagriti Sengupta

- 15.11.2020-16.11.2020: Presented a paper in the International Conference entitled “International Conference on Social Science, Arts and Humanities (ICSAH)” organized by iFeRP World: Institute for Engineering Research and Publication. Title of presentation “Migration in the Writings of Arundhati Roy.”
- 11.03.2021-12.03.2021: Presented a paper in the National E- Conference entitled “Postcolonial Narratives: Theorizations and Transformations” organized by Indian Institute of Technology, Patna. Title of presentation “Arundhati Roy, a Powerful Writer of Political Narratives in Contemporary India.”

Shabnur Parveen

- 11.09.2021-12.09. 2020. Presented a paper in the international e-Conference on Environment, Literature and Culture, organized by Higher Education and Research Society, Mumbai. The title of the paper is: “Listening to the Polyphony in Nature: A Literary Perspective”.
- 25.09.2020-27.09.2020. Presented a paper in the Three-Day International e-Conference on Re-thinking the Postcolonial: Texts and Contexts, organized by New Literaria: An International Journal of Interdisciplinary Studies in Humanities, in collaboration with Department of English, Assam University, Silchar. The title of the paper is: “*Draupadi*: Revisiting the Past through the Lens of the Gendered Subaltern”

Tanmoy Putatunda

- 18.05.2020-01.06.2020 Completed a two-week online Faculty Development Programme on “Managing Online Classes and Co-Creating MOOCs 2.0” organized by the Ministry of Human Resource Development, Government of India and Ramanujan College, University of Delhi

- 18.05.2020-22.05.2020. Completed a week-long online Faculty Development Programme on “Covid-19 Challenges and Opportunities: Paradigm Shift in Various Domains of Indian Education” organised by Lingaya’s Lalita Devi Institute of Management and Sciences, New Delhi.
- 20.08.2020-22.08.2020. Presented a paper in the 1st Rupkatha International Open Conference on Recent Advances in Interdisciplinary Humanities (Virtual). Title of paper “De-Marginalizing the ‘Other’? Exploring Katherine Boo’s *Behind the Beautiful Forevers* and Sonia Faleiro’s *Beautiful Thing*.”

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

- **Amrit Sen** has been serving as Director (Officiating), Grantham Vibhaga, Visva-Bharati, Member IQAC, Visva-Bharati, Member, PhD Adjudication Committee, Member, MOU Committee. He was and remains Member, BOS of Department of English at Aliah University, Research Committee at the University of Burdwan, RAC at Rabindra Bharati University.
- **Ananya Dutta Gupta** has been nominated as **Executive Member, Women’s Association of Visva-Bharati** and has actively participated in cultural and academic programmes organized and hosted by the Association.
- **Debarati Bandyopadhyay** served on the Annual Report Committee, the Research Board and the Board of Studies of the Women's Studies Centre.
- **Dipankar Roy** was the **Coordinator** of the **NAAC Committee**, Department of English.
- **Saurav Dasthakur** was **Co-coordinator, NAAC Committee**, Bhasha Bhavana, Visva-Bharati.

Sudev Pratim Basu

- **Deputy Proctor** of the university (since April 2018), especially during the lockdown period looking into various hostels related issues including the safe stay and availability of food and other essentials for a large number of students – boys and girls, Indian and overseas – as well as looking into after various infrastructure upkeep and management of workers and staff along-with the other officers of the Proctor’s Office including taking part in Relief Camps organised by the Proctor’s Office as well as other university sections and departments. Organised many online meetings for the Proctor’s Office as well as online webinars for Covid-19 related protocols and students’ counselling with help of professional counselors and medical practitioners.

Chapter-2

- **Coordinator of the Bhasha Bhavana NAAC Team** (since June 2019). He has been/still part of the **Visva-Bharati NAAC Core and Working Committees** and helped in coordinating data at the Bhavana level as well as at the central university level. Worked from home during the lockdown period and onsite at the Visva-Bharati Computer Centre during the compiling of the SSR period for over five months. Presently part of the **Visva-Bharati NAAC Peer Team Visit** preparing for the visit of the NAAC peer team as well as replying to the queries of the NAAC regarding clarifications regarding submitted data.
- Member of the **Visva-Bharati Admission Coordination Cell** for the Academic year 2020-21 and have been involved at various stages of the online admission process.
- Member of the **Visva-Bharati Internal Complaints Committee of Prevention of Sexual Harassment against Women in the Work Place (ICC-PSHWW)** since November 2020 and have taken part in all deliberations since without any absence.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

- 15.12.2020 **Tapu Biswas** has been awarded the **Degree of Doctor of Literature (D.Litt)** in English and Cultural Studies in 2020 from Manipur
- 16.12.2020. **Tanmoy Putatunda**, research scholar, joined KIIT University as Assistant Professor of English in the School of Languages (November, 2020 - present)

DEPARTMENT OF HINDI

The study of Hindi Language and literature became 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, 1938. The study of medieval Hindi literature and saint literature were of great interest to the Poet Rabindranath Tagore. At present this Department of learning is carrying on research on Modern and 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 and Diploma course are in the curriculum along with a one year foreign casual course, Covid-19 pandemic situation Eleven Nos. of the following students awarded.

NET/JRF in the year – 2020 –2021

Students awarded NET/JRF in the year, 2020-2021: Eleven (11)

- I. Pawan Shaw (M.A. Sem.-IV) NET/JRF,
- II. Sumanlata Ram (M.A. Sem.-IV) NET/JRF,
- III. Manoj Mallah (M.A. Sem.-IV) NET/JRF,
- IV. Ansu Kumari (M.A. Sem.-IV) NET,
- V. Payal Bhattacharya (M.A. Sem.-IV) NET,
- VI. Birendra Kisku (M.A. Sem.-IV) NET/JRF,
- VII. Sanjay Shaw (M.Phil Sem.-II) NET,
- VIII. Sushama Kumari (M.Phil Sem.-II) NET/JRF,
- IX. Gyanendra Mishra (M.Phil Sem.-II) NET/JRF,
- X. Anupama (M.Phil Sem.-II) NET,
- XI. Kalu Tamang (M.Phil Sem.-II) NET

Publication (Book, Articles, Chapter in Book & Translation)

Chakradhar Tripathi

Book/ Chapter/ Translation

1. पं. दीनदयाल उपाध्याय की दृष्टि में भारत की आत्मनिर्भरता; Name of the edited Book - Atma Nirbhar Bharat भारत की आत्मनिर्भरता – Bengal Book, Sopan Publication Kolkata – 700006. ISBN No. : 978-93-90717-30-9.
2. जैनेन्द्रकुमार और रवीन्द्रनाथ ठाकुर की कहानियों में स्त्री चिंतन : एक तुलनात्मक निष्कर्ष ; Book – जैनेन्द्रकुमार : विविधवातायनों में, पंकज पुस्तक मंदिर, नईदिल्ली. ISBN No. : 978-81-88164-82-0

Chapter-2

3. Translation Works - Translated 12 monthly journals from Bengali to Hindi; April' 20 to March 21, name of the journal शंखनाद ; Sahitya Parishad Street, Kolkata – 4, Editor – Subrata Chattopadhyay.

Articles

1. संस्कृतिकेशत्रु; name of the journal – पांचजन्य; पश्चिमबंगाल चुनाव विशेषांक; साप्ताहिक पत्रिका; ISSN No. : 349-2392; मार्च, 2021. भारत प्रकाशन लिमिटेड, दिल्ली, नई दिल्ली – 110055.
2. पीएम मोदी का बांगलादेश द्वारा और बंगाल के चुनाव पर उसका प्रभाव; 27. मार्च, 2021. साप्ताहिक पत्रिका; ISSN No. : 2349-2392.

Mukteshwarnath Tiwary

(a) Book :

1. साहित्य और जीवन – विवेक/ March, 2021/Anand Prakashan, Kolkata/Pages- 151/ ISBN: 978-93-88858-68-7

(b) Articles :

- (i) अपनीबात/ Editorial/ Visva-Bharati Patrika, Santiniketan/Vol. 76/ April- June, 2020/ ISBN: 2348-4977
- (ii) अपनीबात / Editorial/Visva-Bharati Patrika, Santiniketan/Vol.77/July-2020 September, 2020/ ISBN: 2348-4977
- (iii) अपनीबात /Editorial/Visva-Bharati Patrika, Santiniketan/Vol.78/ October, 2020-March, 2021/ ISBN: 2348-4977

Chapter in Book:

- (i) छायावाद : आभिजात्य से मुक्ति/ Book: 'छायावाद : कलऔरआज/ Editor : Dr. Rishi Kumar/Anand Prakashan, Kolkata/Press 255/ISBN: 978- 93- 88858-70-0

Sakuntala Mishra

1. Book Review : Malati Joshi Ki Lokpriya Kahaniyan, Visva-Bharati Patrika (Hindi) Vol. 76, No. 1, April, 2020 – June, 2020 ISBN No. : 2348-4977

Rabindranath Mishra

Book/ Chapter

1. 'Andhigali' a translated Book Published by Odisha Sahitya Academy in 2020, 'Andhigali' a translated ISBN : No. : 938763764-6
- 2 A preface in the book entitled "Tagore ek Jivani" the book written by K.C. Ajay Kumar Published by Sagar Prakashan, Thiru Anantha Puram in August, 2020, ISBN No.: 978- 81-9473852

Articles

1. Article Published in the book entitled Arun Ranjan ke kavya meinshringarchetana endited by Shashibhushan Mishra, Published by the Vanaras Merentile Company. Kolkata – 2021 ISBN No. 978-81-86359-90-7

Jagadish Bhagat

Book/ Chapter

1. “Hindi Upanyash: Ek Vistrit Adhyan” (Book Edited by Me) ISBN – 978-93-88858-69-4, Anand Prakashan, Kolkata (W.B.), 2020

Articles

1. “Guru Nanak Dev ki Vichar – Sadhna” – Visva-Bharati Patrika (Hindi) – Vol No. 1/76 ISBN – 2348-4977 April 2020, June 2020
2. “Chhayawadi Kavi Chatustayaki Alochana...” - Shilpanchal Jyoti Vol. No. 5, Issue – July, December 2020.

Arjun Kumar

Chapter

1. Maila Aanchal: Jeevanbodh ka Rachnatmak Rupantaran (Chapter in a Book – Hindi Upanyas: ekvistritadhyayan) Anand Prakashan, Kolkata ISBN–978-93- 88858- 69-4, 2020

Articles

1. Renu ka Sapna (KitneChourahe) / Samved – 123// ISSN – 2331 – 3885, March – 2021
2. Maila Aanchal ka Lok/Srijan Sarokar–Vol -1, ISSN–2581-8856, October–December–2020

Shruti Kumud

Book/ Chapter

1. Atoot ka Rag : Nirmal Varma keUpnyas‘Ve Din’/ (Chapter in a book – Hindi Upnyas : EkVistritAdhyan). Anand Prakashan, Kolkata. ISBN – 978-93-88858-69-4. 2020

Article

1. ‘Upmahadeepki Aajadi se Utpann Swapno ka Julooos’/ Banas Jan/ Ank – 41/ISBN – 2231-6558 (Jan- March 2021)

Seminar/ Workshop/Conferences etc..

Chakradhar Tripathi

- 1 11.3.2021: Delivered a lecture on “the role of functional Hindi in the content of NEP, 2020”. in the two week long International workshop on – Education Policy 2020. In the

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aspects of Language & Literature Teaching Jointly organized by BHU, Department of Education, Government of India and International Hindi University, Wardha:

2. 20.03.2021: Delivered a lecture on “the contribution of Indra Bahadur Khare to Hindi Literature in the two day long National webinar on – इंद्रबहादुरखरेकीरचनाओंमेंमूल्यबोध; organized by St. Aloysias Antonomous College, Jabalpur, MP;

Mukteshwarnath Tiwary

- (i) 14.09.2020 Delivered a lecture in a webinar hosted by the Department of Hindi, Visva-Bharati on the occasion of Hindi Diwas.
- (ii) 18.09.2020 Delivered a lecture as chief guest in a webinar hosted by the Department of Hindi Purnea University on the topic- ‘Rajbhasha Hindi’
- (iii) 16.11.2020 Resource Person’s speech on ‘Samkalin Hindi Kavita’, Refreshers’ course, Calicut University /online
- (iv) 04.02.2021 Resource person’s speech on ‘ParyavaranVimarsha with special Reference to the poetry of Kedarnath Singh’/ online Refreshers’ course/ Ranchi University
- (v) 21.02.2021 Delivered a lecture on the Birth Centenary of Phanishwar Nath Renu/organized by the Department of Hindi, Purnea University, Purnea topic ‘Renu ka Sahitya

Rabindranath Mishra

1. 08.08.2020 Delivered a lecture in an webinar hosted by Hindi Sahitya Parishad Keral on the topic entitled “Rabindranath ki Rachana Dharmita”
2. 27.09.2020 Delivered a lecture in an International webinar hosted by Gauripur Sahityikevamsanskritik mela at Uttar 24- Parganas, W.B on the topic ‘Bharat ki Ekata Aur Hindi.

Subhash Chandra Roy

- 14.06.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic entitled “Gurudev Rabindranath Ka Swadeshi Chintan” organized by Kalam news, Patna
- 17.08.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic entitled “Faniswarnath Renu Srujanaur Sandarv” organized by the Department of Hindi Vasant Mahila Mahavidyalaya, Rajghat, Varanasi.

- 20.08.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic entitled “Hazari Prasad Dwivedi Dristi Aur Shristi” organized by the Department of Hindi, Ranchi University evam Visva Sanskrit Parisad New Delhi
- 14.04.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic entitled “Meri Hindi Meri Pehchan” organized by Sanskar Bharati evam Madhav Sanskriti Nyas. Arunachal Pradesh.
- 23.09.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic ‘Dinkar Ki Prasangikata’ organized by Shodhabari Patrika Mumbai University, Mumbai
- 23.09.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic ‘Dinkar Ka Rajnitik Sarokar’ organized by Purba Railway Mandal, Asansol
- 23.09.2020 Delivered an invited lecture in the National Seminar (webinar) on the topic “Dinkar Ke Kavya Ka Rashtriya Swar” organized by Bihar Swabhiman Andolan, New Delhi.

Jagdish Bhagat

- 30.06.2020 Presented a paper in National Seminar (webinar) organized by Hindi Gaveshak Parishad, Asansol (W.B.) Title of paper “Hamara Samayaur Sahitya”
- 06.08.2020 Presented a paper in International (webinar) organized by Bangiya Hindi Parishad, Kolkata. Title of paper “Tulasi Sahitya ki Arthavatta”
- 14.09.2020 Presented a paper in National (webinar) organized by Kharagpur College, Midnapore (W.B.) Title of paper “Vartman Samay Men Hindi ki Chunountiyan Aur Sambhavnayein”
- 24.09.2020 Presented a paper in National (webinar) organized by Asansol Girls College, Asansol (W.B.) Title of paper “Hindi ka Vartman aur Bhavishya”
- 09.11.2020 Presented a paper in National (webinar) organized by Rajendra College, Chhapra Jay Prakash Narayan University Chhapra (Bihar) Title of the paper “Vartman Samay Men Renuke Sahitya ki Prasngikta”

Arjun Kumar

- 07.06.2020 Presented a paper in the International (webinar) on ‘Hindi Literature and Cinema at Anyatra (A literature Association & Journal, Santiniketan).

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Membership, Recognition, Distinctions, Award, Refresher Course etc.

Mukteshwarnath Tiwary

1. Research Board, Rabindra Bharati University, Kolkata
2. Research Board, Kazi Nazrul University, Asansol
3. Research Board, Cooch Behar Panchanan Barma, University

Sakuntala Mishra

1. Nominated by U.G.C. as the UGC nominee on the Governing Body of Midnapore College, Midnapore, West Bengal affiliated to Vidyasagar University for a period of five years w.e.f. 2020 – 2021
2. Re-appointed as Chairperson of Internal Complaints Committee for PSHWW of Visva-Bharati w.e.f. 10.11.2020.
3. Appointed in-charge of the Rajbhasha Cell by the Visva-Bharati w.e.f. 09.12.2020.

Rabindranath Mishra

1. Board of Research Studies, Burdwan University, Burdwan
2. Board of Research Studies, Vidyasagar University, Medinipur
3. Board of Research Studies, Utkal University, Vanivihar, Odisha
4. Jury member of Gangadhar Meher Award Committee, Sambalpur University, Odisha
5. Jury member of award Committee, Uttar Pradesh Hindi Sansthan, Lucknow

Subhash Chandra Roy

1. 02.10.2020 ‘**Karona Karmaveer Samman**’ by Srijan Abhiman, New Delhi

Shruti Kumud

1. Participated in the **Refresher Course** in Hindi 04.02.2021 to 17.02.2021/ UGC Sponsored HRDC, Ranchi University, Ranchi.

DEPARTMENT OF SANSKRIT, PALI & PRAKRIT

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

| <i>Sl. No.</i> | <i>Name of the Students</i> | <i>NET/JRF/SET</i> |
|----------------|-----------------------------|--------------------|
| 1. | Abhirup Choubey | NET |
| 2. | Ananya Barman | NET |
| 3. | Baishakhi Dutta | NET |
| 4. | Basudha Pramanik | NET |
| 5. | Biswajit Mahato | NET |
| 6. | Chanan Das | NET |
| 7. | Dhriti Rani Saha | NET |
| 8. | Dibyendu Chattopadhyay | NET |
| 9. | Dilip Tapadar | NET |
| 10. | Falguni Mondal | NET |
| 11. | Gosthogopal Mondal | NET |
| 12. | Kali Charan Das | NET |
| 13. | Owalisha Roy | NET |
| 14. | Owandrila Roy | NET |
| 15. | Purno Chandra Mandal | NET-JRF |
| 16. | Rahul Dev Mondal | NET |
| 17. | Rinku Mondal | NET-JRF |
| 18. | Shis Mohammed | NET |
| 19. | Subhadra Dutta | NET |
| 20. | Sukhen Ghosh | NET |
| 21. | Trishita Chakraborty | NET |

International & National Conferences /Seminars/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars

Jagat Ram Bhattacharyya

1. 31.10.2020-01.11.2020: National Seminar, Concept of Equanimity (Samatā) in the Jain Canons with Special reference to the Upāṅgasūtra, the Pali-Prakrit Scheme, Central Sanskrit University, Janakpuri, New Delhi and Shri S S Jain Sabhā, Shalimarbagh, Delhi.

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Gargi Bhattacharya

1. 10.03.2021: Delivered lecture as a Resource Person on “Dara Shukoh and Translation of Upanisads: Remapping the History”, in the Inter/Multi-Disciplinary Refresher Course on “Comparative Literary Studies: Indian Dimension” (on Google Meet Platform), organized by the Department of Comparative Indian Language and Literature, University of Calcutta, Kolkata.

Publication:

Paper/Article/ Book-chapter:

Niranjan Jena (HOD)

1. **January 2021**, “The term ‘Pusu’ applied in Various Rituals and Sacrifices : A Study”, Centenary Volume, Post Graduate & Research Institute (Deemed University) Deccan College, Pune.
2. **February 2021, ISSN-2395-1931**, “Sumedha”, Editor, Sanskrit Pustak Bhandar, Kolkata.
3. **March 2021**, ‘Norms of Vedic Sacrifice: Its Relevance in Present Day Society’, Prof. Shashi Tiwari Felicitation Volume, Delhi.

Arun Kumar Mondal

1. **February 2021**, “সংক্ষিপ্তসারস্য জৌমরবৃত্তৌ ভট্টিকাব্যস্থানাং কেয়াঋনান্ননেপদ- প্রয়োগাণাং নিদর্শনপ্রসঙ্গঃ”, published in *Śodhanidhi*, Department of Sanskrit, University of Gour Banga, Mokdumpur, Malda, Volume IV, 2019-20, pp – 32-41

Lalita Chakraborty

1. **October 2020, ISBN: 978 – 81- 944826 – 5 – 6**, “Divergence in Indian Philosophy”, Kabita Ashram Prakation, North 24 Pargana-743235.

Arun Ranjan Mishra

1. **July 2020, ISBN: 978 – 81- 86359 – 88 – 5**, “Gita on Work-culture as the Back-bone of Society”, published in *Swarnasundaram* (Dr. N.S.Mishra Felicitation Volume), Ed. S.B. Mishra, Kolkata, pp – 117-128.
2. **2020: ISBN- 978-81-7702-452-4**, Sanskrit Translators Tryst with Tagore’s Imagination and Style, Bipasha Das and A.R.Mishra, Pratibha Prakashan, Delhi, (Total Pages – 221)

Jagat Ram Bhattacharyya

1. 2020 December, Jinavānī, ‘Vows in Jainism: Importance and Application’, 2249-2011

Sanjay Kumar Mandal

1. **2021 March:** ‘धम्मपद में प्रतिपादित सामाजिक व्यवस्था: एक अध्ययन’, Printing Area (Peer Reviewed International Journal, Issue-74, Vol-03, Harshwardhan Publication Beed, Maharashtra, 431126.

Gargi Bhattacharya

1. **2021 February, ISBN: 978-93-90621-27-9**, ‘Upanisat-Anubad O Dara Shuko’, published from Gungchil, Publication, Kolkata.
2. **2021 January, ISBN 978-81-246-0947-7 (Hb)**, “An Endless Quest for immortality: Tagore’s Interpretation in the Light of Vedānta” in *Vedānta Science and Technology: A Multidimensional Approach*, Ed. Girish Nath Jha, Bal Ram Singh, Sukalyan Sengupta, DK Printworld, New Delhi, pp. 370-381.

Pritilaxmi Swain

1. **2020, ISSN: 2348-7828**, ‘अक्सन्धिप्रकरणे स्थान्यादेशप्रसङ्गः – एका समीक्षा’, Veda Vipasha, Vol. 07, published by Prof. L.N. Pandey, Principal, Rashtriya Sanskrit Sansthan, Vedavyas Campus, Balahar, Himachal Pradesh-177108.

A Brief history on the development of the Bhavana /Sadana/Vibhaga

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. In the formative period of Visva Bharati the root of Sanskritic Studies was nourished by luminous scholars like Bidhusekher Sastri, Ksiti Mohan Sen, Sylvan Levei, Maurice Winternitz etc.

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.

DEPARTMENT OF ODIA

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examination:

UGC JRF :

1. Deepak Kumar Satapathy, 30th November, 2020

UGC NET :

2. Akash Kumar Singh, Sept-2020
3. Banita Swain, Sept-2020
4. Motilal Naik, Sept-2020
5. Kirtikalpita Singh., Sept,2020
6. Mamata Sahoo, Nov-2020
7. Gitanjali Behera, NFSC. 30th November, 2020

Departmental Seminar/Webinar held by Teaching faculties and dignitaries

| <i>Sl. No.</i> | <i>Speakers</i> | <i>Date</i> |
|----------------|-----------------------------|-------------|
| 1. | Prof. P.C. Pattanaik | 29.08.2020 |
| 2 | Prof. Basanta Kumar Panda | 03.10.2020 |
| 3 | Debendra Kumar Dash | 14.01.2021 |
| 4 | Prof. Natabar Satapathy | 22.01.2021 |
| 5 | Prof. Santosh Kumar Ratha | 20.02.2021 |
| 6 | Indramani Sahoo | 27.02.2021 |
| 7 | Prof. Bijay Kumar Satapathy | 20.03.2021 |

National and International standard Conference / Seminars /workshop/exhibition etc.

Sabita Pradhan :

- 8.07.2020 : Delivered a talk on ' Development of Odia language ' on virtual system organized by Odia studies of Odisha State Open University, Sambalpur.
- 31.7.202 : Delivered a talk on ' Life and literary creations' of Kantakabi Laxmi Kanta ' through webinar organized by Department of Odia, Fakir Mohan University.
- 6.08.2020 : Presented a Paper on ' Reflection of Tribal language and literature on Odia literature' through webinar organised by Deptt.of Odia, KISS University, Bhubaneswar.
- 09.08.2020: Delivered a talk on Gangadhar Meher on his Birth anniversary through virtual system organised by Gangadhar Meher Birth Celebration committee, Barapalli, Sambalpur.

- 21.10.2020 : Delivered a talk on ' Bhasha mrutyu O Odia bhashara Sthiti ' through webinar organised by Department of Odia, Utkal University, Bhubaneswar on.
- 28.10.2020 : Presented a paper on 'Folk language and literary language' through webinar on organised in collaboration with Odisha Sahitya Akademi and Centre of Excellence of Odia language, Government of India.
- 18.10.12 : Delivered a talk through webinar on 'Past, Present and Future of Odia Language' organised by Bande Utkal Janani a renowned organization of Odisha .
- 22.12.20 : Delivered a talk on ' Social Media and Odia language' through virtual process organized by Nikhila Odia Adhyapak Sammilani, Bhubaneswar.
- 28.12.2020 : Presented a Paper on 'Odia Bhashara Utpatti O Bikash' through virtual medium in Tulasi Women's College, Kendrapada, Odisha.
- 31.03.21 : Delivered a talk on ' Onomatopoetic Words ' through webinar organised by Department of Odia, Berhampur University, Odisha.

Manoranjan Pradhan :

1. 11.8.20 : Delivered a talk on ' Kanhu Charan Mohanty ' through webinar organised by Odisha Sahitya Akademi, Bhubaneswar.
2. 11.8.2020 : Delivered a talk on ' Atmajibanira Rahasya' through webinar organised by Department of Odia, Ramadevi Womens University.
3. 24.08.2020 : Delivered a talk on ' Adhunika Canvasre Odia Bhramana Brutanta' through webinar organised by Deptt.of Odia, North Odisha University, Keonjhar on.
4. 12.12.2020 : Delivered a talk on Odia Sahityaku Baleswarra Abadana' through webinar organised by Remuna College, Balasore.
5. 05.9.2020 : Delivered a talk on ' Samajika Bastabata O India Khyudragalpa' through Webinar organised by Sahitya Akademi, Regional Secretary, Kolkata.

Sarat Kumar Jena:

1. 25.05.2020 : Presented a Paper an International Webinar on “ Quarantine and prevention of Diseases: International and Comperative law perspective” organised by Centre of Post Graduate legal studies & Department of Human Rights, School of Legal studies, Babasaheb Bhim Rao Ambedkar University, Lucknow, U.P.
2. 5.06.2020 : Presented a Paper an International Webinar on “ Pandemic COVID-19: Leasons, Learned and Adaptations” organised by Chamanlal Mahavidyalay, Landheura, Roorkee, Haridwar on 5 June 2020.
3. 15.08.2020: Delivered a talk about “Odia Poetry” an online Bi-lungual Poetry Festival of Hindi Bhavana, Berhampur.Odisha.

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4. 26.08.2020 : Presented a Paper named “ Gangadhar O Rabindranath: Eka Tulanatmaka Adhyayana” in a Webinar organized by Department of Odia & Hindi, Government Womens College, Sambalpur.
5. 11.12.2020 - Presented a Paper named “ Satyabadi Jugara Swara O swakshyara” in a National Webinar titled “Satyabadi Jugara Swara O swakshyara” organized by Kalinga Mahabidyala, G. Udayagiri, Odisha.
6. 26.01.2021 : Presented a Paper named “ Juga Srastha Surendra Mohanty” in a National Seminar titled “Surendra Sahitya Charcha” organized Surendra gabesana Akademi, Kendrapada.
7. 20.03.2021-21.03.2021: Presented a Paper named “ Dakshina Odishara Lokakrida” in a National Webinar titled “Dakshina Odishara Loka Sanskruti” organized by South Odishan Cultural study Centre, Berhampur University, Odisha
8. 21.03.2021 : Delivered a talk about Odia Poetry an online Poetry Recitation organized by Indraprastha Sahitya Utsav, Odisha.

Rabindra Kumar Das:

1. 25. 06. 2020 : Delivered an invited lecture and presented a paper through online Google meet entitled 'New Historicism' as a resource person to the Students of Odisha State Open University organized by OSOU, Sambalpur Odisha.
2. 26. 06. 2020: Delivered an invited lecture and presented a paper through Online Google meet entitled 'Cultural Materialism' as a resource person to the Students of Odisha State Open University organized by OSOU, Sambalpur Odisha.
3. 28. 06. 2020: Delivered an invited lecture and presented a paper through Online Google meet entitled 'Green Studies' as a resource person to the Students of Odisha State Open University organized by OSOU, Sambalpur, Odisha.
4. 28. 06. 2020 : Delivered an invited lecture and presented a paper through Online entitled " as a resource person to the Students of Odisha State Open University organized by OSOU, Sambalpur Odisha.
5. 28. 06. 2020: Delivered an invited lecture and presented a paper through Online Google meet entitled 'Ecocriticism' as a resource person to the Students of Odisha State Open University organized by OSOU, Sambalpur Odisha.
6. 03. 09. 2020: Delivered an invited lecture and presented a paper in the one day National webinar as a resource person through Online Google meet entitled 'Utkaliya Nabajagan Kalina Sahityare Pashchatya Prabhaba' as a resource person organized by BB Autonomous College, Chandikhol Cuttack, Odisha.
7. 24. 09. 2020: Delivered an invited lecture and presented a paper in the National webinar through Online Google meet entitled 'Vande Utkal Janani: A Way towards the National

Integration' as a resource person organized by the Sarala Bhasa Gavesana Center, Bhubaneswar, Odisha.

8. 03. 11. 2020: Delivered an invited lecture and presented a research paper in the National webinar through Online Google meet entitled '1980 Parabatrtti Naribadi Odia Kabita' as a resource person organized by Pattamundai Autonomous College, Cuttack, Odisha.
9. 03. 09. 2020: Delivered an invited lecture and presented a research paper in the National webinar through Online Google meet entitled 'Anti Imperialism' as a resource person on the occasion of Book launching ceremony' Juddhaebam Uttaramane'
10. 21.12.2020 : Delivered an invited lecture and presented research paper in the National webinar through Online Google meet entitled 'Adhunika Odia Kabitara Silpa Prakarana' as a resource person organized by Salipur Autonomous College, Cuttack, Odisha.
11. 06. 01. 2021: Delivered an invited lecture and presented a research paper in the National webinar through Online Google meet entitled 'Sarala Sahityara Bibha o Bibhaba' as a resource person organized by Kuhaleswar Anchalika Mahavidyalaya, Keonjhar, Odisha.
12. 30. 01. 2021: Invited and presented the Key note address through Online Google meet on 'Mati Mati Akash Akash' poetry collection awarded by the Sahitya Akademi New Delhi as a resource person organized by Timepass Publication, Bhubaneswar, Odisha.

**Extension Activities, Cultural and Other Activities:
Refresher Course/ Faculty Development Programme**

Pramila Patulia

1. 14.8.2020 - 28.8.2020 : Participated in the two week online Faculty Development Programme on 'The Role of ICT in the Development of Massive Open Online Courses (MOOCs) in Higher Education & Teaching Learning Centre, Ramanujan College, University of Delhi.

Sarat Kumar Jena

1. 22.05.2020 - 28.05.2020: Attended 7days Faculty Development Programme (FDP) on "Badalta Bharatiyaparidrishya: sahitya, sanskriti, sanchar our Manobigyan" organised by T. Ramanujan College, Delhi University.
2. 29.05.2020 - 04.06.2020 : Attended 7 days Faculty Development Programme (FDP) on "Badalta Bharatiyaparidrishya: sahitya, Baniyya our Manobigyan" organised by T. Ramanujan College, Delhi University.
3. 27.07.2020 - 10.08.2020 : Attended 14 Days Interdisciplinary National Faculty Development Programme on "Samakalinsandarbhmai Sahitya, Rajaniti, Media aur Bazar" organized by Ministry of Human Resource Development Pandit Madan Mohan Malaviya

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National Mission on Teachers and Teaching Teaching Learning Centre Ramanujan College University of Delhi and IQAC, Kalindi College University of Delhi.

4. 14.08.2020-28.08.2020 : Attended 14 days Faculty Development Programme(FDP) on” Moocs” organised by T. Ramanujan College, Delhi University.

Rabindra Kumar Das

- 08. 2020 – 28.08. 2020- Attended 2 weeks Faculty Development Program from entitled "The Concept of ITC in Higher Education" organized by Ramanujan College of Delhi University and Sponsored by MHRD.

Coordinate the Webinar

Sarat Kumar Jena

- 19.05.2020 Coordinated one National Webinar on “Odia Literature in the time of Corona: Existence and Expectations” organised by Anyatra, Santiniketan.
- 7.06.2020 : Coordinated & Hosted an International Webinar on “ Literature and Cinema: An Interrelationship” organised by Anyatra, Santiniketan.
- 2.08.2020 : Coordinated & Hosted an International Webinar on “ Corona and its impact on Odisha,s Cultural life ” organised by Anyatra, Santiniketan.
- 6.09.2020 : Coordinated & Hosted a National Webinar on “Image and Character of Contemporary Odia Short Stories ” organised by Anyatra, Santiniketan.

Rabindra Kumar Das:

- 7.8.2020 – 8.8.2020: Acted as coordinator in International poetry recitation and discourse on Fakirmohan Literature, organized by Fakirmohan Foundation New Delhi in collaboration with Odisha Society of Americaon.
- 14.06.2020: Acted as coordinator in the National webinar entitled 'The Role of Literature in the Pandemic situation of Covid-19' organized by the Fakirmohan Foundation New Delhi in collaboration with the Esteemed Office of the Honourable Governor of Odisha.
- 21.09.2020 – 23.09.2020: Acted as a Coordinator in the three days National webinar on 'Sampratika Bishwa Sankata Pariprekhire Lekhakiya Pratibaddhata' organized by Dhauri Books, Odisha.
- 10.01.2021: Acted as a Coordinator in the one day National webinar on 'Odishara Loka Parampara o Loka Sahitya' organized by Fakirmohan Foundation New Delhi.
- 14.01.2021 : Acted as a Coordinator in the one day National webinar on 'Fakirmohan's Poetry' organized by Fakirmohan Foundation, New Delhi.

Academic distinction

Sabita Pradhan :

1. Nominated as a member of Research Committee of Presidency University, Kolkata, April, 2020.

Sarat Kumar Jena :

1. Nominated as a BOS Member of Khalikote Autonomous College, Berhampur, Odisha, 2021.

Publications:

(I)Text Books :

Sarat Kumar Jena :

1. Rabindra Paricharcha, Pakshighar, Bhubaneswar, August 2020. (ISBN: 978-81-932169-7-3)

Rabindra Kumar Das :

1. Adrushyanka Chaturtha Prithibi- a short story collection, Pashchima Publication, Bhubaneswar, Odisha,2021.

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**DEPARTMENT OF ARABIC, PERSIAN, URDU &
ISLAMIC STUDIES**

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

1. Nazmun Nahar, UGC-NET

National and International standard Conference /Seminar /Workshop / Exhibition etc.

Details:

Atiqur Rahman:

- i. 19-10-2020- 20.10.2020 : Delivered an invited lecture and presented a paper in the International Webinar entitled: “*Short Story and Novel Writing in Iran during 1940-1979*”, Organized by Dept. of Persian, University of Delhi, Delhi, the title of presentation, “*Simin Daneshwar as a Renowned Persian Novelist.*”
- ii. 12-03-2021-13.03.2021 : Delivered an invited lecture and presented a paper in the International Webinar entitled: ““*Indo-Persian Literature during 14th Century*”, Organized by Dept. of Persian, University of Delhi, Title of Presentation, “*Sahm-e-Saltanat-e-Tughlaqyan Dar Pishraft-e-Zaban-o-Adabiyat-e-Farsi*”.
- iii. 22-03-2021: Delivered an invited lecture and presented a paper in the International Webinar entitled: “*Reflection of India in the Works of Amir Khusrau*”, organized by Centre of Persian & Central Asian Studies, Jawaharlal Nehru University, New Delhi, Title of presentation, “*Amir Khusrau Dehlavi as a Hindavi Poet*”.

Publication:

Atiqur Rahman

- “Anthology of Research Articles”, ISBN: 978-81-89140-20-5. Kolkata, Sparrow Publication, 2020.
- “Ismsat Jogtaike Afsanon per Ek Ajmali Nazar”, *Faizan-e-Adab, Mau, U.P.*, Idara-e-Tehqiqat-e-Urdu and Farsi, Pura Ma’ruf, 2021, Vol. 6, No. I, pp 37-52, ISSN: 2456-4001
- “Bahaisiyat Mohaqiqwa Tanqid Nigar”, *Urdu Duniya*, (Dr. M Nasim Azmi:) , pp 55-56, ISSN: 2249-0639, Delhi, National Council for Promotion of Urdu Language, Ministry of Education, Department of Higher Education, Government of India, 2020
- “Contribution of Sufis and Development of Sufistic thoughts in Indian Sub-Continent with special reference to Deccan India”, *DABEER*, Vol. VII, No. 19, page no.10-24, ISSN: 2394-5567, Lucknow, Dabeer Hasan memorial Library Kakori, 2020,

- “Anwar Shah al-Kashmiri: The Eulogy Poet (أنور شاه الكشميري: شاعر المدح)” (Abdulla Molla). *Kalikoot Arabic Journal* (مجلة كاليكوت), Vol. 4, no. 2, pp. 63-69. ISSN: 2278 - 764X. 2020

Conference/ Seminar Volumes:

- “Srimanta Sankardeva and Giasuddin Aulia: A Message of Social Harmony”. Abdulla Molla, Guwahati, by Dept. of Assamese, Visva-Bharati (A Central University), Santiniketan & Binit Book Builders, 2020. ISBN: 978-93-89697-02-5.
- “Anwar Shah Kashmiri’s Works---with special reference to Mushkilat al-Qur’an.” Abdulla Molla, New Delhi, Deptt. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati (A Central University), Santiniketan& Arnab Enterprises, 2020. ISBN: 978-81-93658-55-0.

DEPARTMENT OF INDO-TIBETAN STUDIES

International & National Conferences /Seminars/Workshop/Exhibition etc.

Sanjib Kumar Das

- 9.07.2020-11.07.2020 : Delivered an invited lecture and presented a paper in the International Webinar entitled ‘Global Well-Being and the Tenets of Ancient Indian Traditions with Reference to Buddhism’ organized by University School of Buddhist Studies and Civilization, Gautama Buddha University. Title of the presentation: “Pandemic and Buddhism: Possibilities and Lessons”.
- 24.06.2020-25.06.2020 : Delivered an invited lecture and presented a paper in the National Online Conference entitled “Indology and Buddhism: Historical Legacy and Emerging Contours” organized by Central Institute of Himalayan Culture Studies, Dahung. Title of the presentation: “Shantideva’s Bodhicaryavatara describing the Preciousness of Human Birth”.
- 16.08.2020-17.08.2020 : Delivered an invited lecture and presented a paper in the National Webinar Entitled “Anagarika Dharmapala & Victorian Indologist and Their Role in the Revival of Indian Buddhism” organized by the Institute of Social Work and Social Sciences. Title of the presentation: “Fundamentals of Buddha’s Teachings and its Significance in the context of the present world”.

Norbu Gyaltsan Negi

1. 27.02.2021-28.02.2021 Delivered an invited lecture and presented a paper in the National Conference entitled “Himachal Buddhist Conclave”, organized by the Indian Himalayan Council of Nalanda Buddhist Tradition (IHCNBT) in collaboration with the International Buddhist Confederation (IBC) and Ministry of Culture, Government of India, New Delhi, Title of the presentation: “Jyotisvidhyakisanksheptparichayevamkhunulotho ka ithihas”.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Sanjib Kumar Das (Extra Curricular)

- Editor of the Journal titled ‘National Journal of Buddhist Studies’, Leh: Central Institute of Buddhist Studies, 2021
- Appointed as a Board Member of KIBI (Karmapa International Buddhist Studies), New Delhi.

Publications (April 2020 - March 2021)

Sanjib Kumar Das

A. Books

1. *Buddha and Bauddha Śāsana* (Bengali Language), ISBN: 978-81-950583-5-8, Kolkata: Tathagata Press, 2021.
2. *Vasubandhu and Abhidharmakosa* (English Language), ISBN: 978-93-893880-1-5, Delhi: Buddhist World Press, 2020;

B. Article published in Journal

1. “Sarvavyapi Mahamari evambauddhadharma: Eka Samiksatmaka Adhyayana”, [ed.] Tiwari, Mukteswara. *Visva-Bharati Patrika*, Santiniketan: Visva-Bharati, 2020 (July-September), ISSN- 2348-4977
2. “Buddhist Meditation: The Real Antidote to our personal sufferings and their causes”, [ed.] Bhattacharya, Kishor. Khoai, Birbhum: Santiniketan, 2020, ISSN- 2319-8389
3. “Mulamadhyamakakarika: Introduction and the Spread of its System of Teaching and Learning in India and Tibet”, [ed.] Baudha, Sanghamitra, Bodhi-Path, Delhi: Department of Buddhist Studies, 2020, ISSN-2347-8004

Shedup Tenzin

1. “Loving-Kindness and Compassion as a Component of Non-Violence: A Buddhist Perspective”, *International Journal of Creative Research Thoughts*, An International Open Access, Peer-reviewed, Refereed Journal, Impact factor 7.97, Vol. No. 09, Issue 2, ISSN No. 2320-2882, February 2021.
2. “Introduction of Mūlasarvāstivādin Vinaya Tradition in Tibet: A Glimpse”, *International Journal of Creative Research Thoughts*, An International Open Access, Peer-reviewed, Refereed Journal, Impact factor 7.97, Vol. No. 09, Issue 2, ISSN No. 2320-2882, February 2021.

Sonam Zangpo

1. ‘Param Pawan 14wey Dalai Lama ji Aur Ladakh: Ek Aadhyatmika Sambandha’, *International Journal of Humanities and Social Science Invention (IJHSSI)*: International Peer Reviewed Indexed Refereed: e-ISSN: 2319-7722 p-ISSN: 2319-7714, Vol.10(3), DOI: 10.35629/7722-1003020711, March 2021 www.ijhssi.org

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2. 'Drukpa Kagyud School of Tibetan Buddhism in Indian Himalayas: An Introduction, *International Journal of Creative Research Thoughts (IJCRT)*, Vol. 9, pp. 847-859, ISSN: 2320-2882, Impact Factor: 7.97, March 2021.
3. 'The Concept of Pratītyasamutpāda in Mahāyāna Buddhism' pp. E-41-E46, *Innovation-The Research Concept Multi-Disciplinary Bi-Lingual International Journal*, ISSN: 2456-5474, Impact Factor: SJIF= 6.122, IJIF=4.112, Vol. No. 5 (12), Social Research Foundation, Kanpur, India, January, 2021. (co-author Mr. Jamyang Wangchuk).
4. 'Drikung Kagyu School of Tibetan Buddhism in Indian Himalayas: A Study' *Shabdarnav (International Peer Reviewed Refereed Journal of Multidisciplinary Research)*, Page No. 263-267, ISSN: 2395-5104, Impact Factor: IJ: 2.206, Vol. No.11., Part-II, Samnvy Foundation, Mujaffarpur, Bihar, India. January-June, 2020. (co-author Ven. KonchokTsering).
5. 'Bharat Evam Bhotadesh Mein Pramana Sastra ka Pradurbhava Tatha Adhyana-Adhyapan Parampara', *Vedanjali (International Peer Reviewed Refereed Journal of Multidisciplinary Research)*, pp 6-8, ISSN: 2349-364X, Impact Factor: IJ: 2.193, Vol. No. 13, Part-II, Vedic Educational Research Society, Varanasi, India. January-June, 2020.
6. 'Nischit Hai' *Sheeraza Hindi Journal* Regd. No.: 28871/76, ISSN: 2279-0330 the Secretary, J&K Academy of Art, Culture and Languages, Jammu, 2020.

Manotosh Mandal (Guest Faculty)

1. "Symmetry of Nirvana and Samsara on the Light of Dependent Origination", "*International Journal of Creative Research Thoughts*, An International Open Access, Peer-reviewed, Refereed Journal, ISSN No. 2320-2832, February 2021
2. "Buddhist Logic in India & China", "*International Journal of Creative Research Thoughts*", An International Open Access, Peer-reviewed, Refereed Journal, ISSN No. 2320-2882, March 2021

A Brief history on the development of the Bhavana/Sadana/Vibhaga:

Gurudeva Rabindranath Tagore dreamt of and favoured open educational institutions for learning and research 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. Gurudeva himself was a student in the Tibetan Classes of Professor Levi in the early twenties along with M.V. Shastri and P.C. Bagchi (1898-1856).

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. GesheThubtenRablag, Rev. Angi Wangdi, V.V. Gokhle, AngarikaGovinda, C.R, Lama, Suniti Kumar Pathak, Lama Chimpa and many other erudite scholars from India and abroad.

Prof. Vidhusekhar Shastri conducted Indo-Tibetan Studies as a separate discipline after the departure of Sylvain Levi. Some young scholars assembled to study Tibetan language and Buddhist texts under his supervision and were engaged in researches in various aspects of Buddhist Studies. The first publication of Visva-Bharati - the *Mahayanavimsaka* of Nagarjuna was restored from the Tibetan and Chinese sources into Sanskrit along with an English translation by Prof. Vidhusekhar Shastri in 1931 (Visva-Bharati Studies - I). The *Bhavanakarma* of Acarya Kamalashila, was also restored from Tibetan source by the Tibetan scholar Angi Wangdi.

In 1954, the Department of Indo-Tibetan Studies was established as a separate Post-Graduate centre with the financial assistance from the University Grants Commission (UGC) to promote research on age long cultural relations between India and Tibet. For a better understanding of the Tibetan texts and to remove ambiguities during the study of independent Tibetan commentaries, several scholastic Tibetan Lamas were invited to Santiniketan to work in collaboration with Indian scholars, to promote systematic study and investigation of Indo-Cultural relations down the ages.

For more than three decades from 1954 till the mid 80s late **Ven. Chimed Rigzin** Lama presided as the first Head of the Department and contributed much to its precious manuscript and xylograph collection. He also represented Visva-Bharati at research centres in Munich and Rome.

Co-founder of the Department of Indo-Tibetan Studies as a separate research unit, together with Chimed Rigzin Lama, was **Prof. Suniti Kumar Pathak** (born 1924), absolvent of Calcutta University and Buddhist scholar and thinker. Before joining Visva-Bharati, he was deputed to the eminent Russian Tibetologist George N.Roerich in Kalimpong. At Visva-Bharati, he got inspiration from Prabodh Chandra Bagchi, the eminent Sino-Tibetan Indologist, to devote himself to the restoration of the lost Indian traditions from the vast Tibetan source materials. He is living in Santiniketan at present.

Late Prof. Lama Chimpa, born in 1928 in Inner Mongolia, received his basic education at HoshionSume and TogatuSume Monasteries. He then came to India in 1951, where he assisted George N. Roerich in compiling a Tibetan-Sanskrit Dictionary, in Kalimpong. Thereafter, he taught and worked for nine years at the International Academy Indian Studies in Nagpur and Delhi (1952-1961). He also taught at the Department of Buddhist Studies, Delhi University. He assisted Raghu Vira and Lokesh Chandra in compiling the Mongolian-Sanskrit Dictionary.

Tulku Dhondup Rinpoche was another illustrious Lama who served the Department of Indo-Tibetan Studies at Visva-Bharati. He taught Tibetan and Tibetan literature at Lucknow

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University (1967-76) and at Visva-Bharati (1976-80). At present Tulku Thondup lives and teaches in the United States, where he published extensively.

In this way, Visva-Bharati became a leading international centre 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
- In this way, the Department of Indo-Tibetan Studies is to recover the lost treasures of Indian culture from the Tibetan and Tibetan allied source materials.

DEPARTMENT OF SANTHALI

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

- 1) Champai Murmu (UGC- NET-JRF)
- 2) Kalipada Murmu-(UGC- NET)
- 3) Sukal Baski (UGC- NET)
- 4) Sanjay Soren (UGC- NET)
- 5) Sadhuram Hembram (WBCSC-SET)

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

Dhaneshwar Manjhi

- 8-9.06. 2020: Delivered an invited lecture and presented a paper in the two day national webinar entitled “Vaisvik mahamari or Janjatiya Jivan Paddhati, organized by Tribal and Regional Language Department, Kolhan University, Chaibasa, Jharkhand, India
Title of the presentation: ‘Vaisvik mahamari and Santal Janjatiy Jivan Paddhati’.
- 3-4.09.2020: Delivered an invited lecture and presented a paper two day national webinar entitled “Santali Language, Literature and Culture” organized by Department of Santali and IQAC, Raipur Block Mahavidyalaya, Raipur Under Bankura University, Bankura, W.B., India.
Title of the presentation: ‘Santari Hor Saohedreyagsirjonar Utnao’.
- 18.02.2020 -03.03.2020: Participated in the Fourteen day Refresher Course in Tribal Studies organized by UGC-Human Resource Development Centre (HRDC), Ranchi University, Ranchi, Jharkhand, India.

Editor:

1. Editor- The Santal (Yearly Santali Magazine)
2. Editor- Asha Magazine
3. Sub-Editor- Akhara

Member:

1. A.K.Das Gupta Center for Planning & Development, Visva-Bharati, Santiniketan as DSGRC.
2. Paschim Banga Santali Academy.
3. Jury in Young Santali Writer Award, Sahitya Academy, New Delhi.

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DuKhia Murmu

- 6-19.02.2020: Participated in 2020-2021 Online Course in the UGC-Sponsored Inter/Multi-Disciplinary Refresher Course entitled “Linguistics” obtained Grade-A, UGC-Human Resource Development Centre (HRDC) Ranchi University, Ranchi. Jharkhand.
- 15-20.03.2020: Attended the Six Days workshop entitled “Final review of the Translation Equivalents in Santali for Philosophy discipline” at the National Translation Mission, Central Institute of Indian Languages, Mysore. Karnataka.

Publications:

1. “Adhunik Santali kavita”, pp: 94 - 98, ISSN 2348-4977 Visvabharati Patrika. Visva Bharati Patrika April 2020 – June 2020.

Ramu Hembrom

1. 12.11.2020: Delivered an invited lecture and presented a paper in the one day national webinar entitled “Translation Literature in Santali” organized by Department of Santali, Manbhum Mahavidyalay, Purulia in Coordination with IQAC Under SKB University, Purulia, W.B., India.
Title of the presentation: ‘Translation Literature and Influence in Santali Literature’.
2. 21.12.2020: Delivered an invited lecture and presented a paper in the one day International webinar entitled “Future of Santali Language: Our Responsibilities” organized by Indigenous Language, Literature and Culture Centre, Bangladesh and Abdarpur Adivasi Susar Gaonta, Birbhum, India.
Title of the presentation: ‘Education by Santali’.

DEPARTMENT OF JAPANESE

National and International standard Conference /Seminar /Workshop / Exhibition etc.

Gita A. Keeni

- 27.02.2021: Delivered an invited lecture and presented a paper in the National Web-Symposium entitled Japanese “Language Scenario in India- Then and Now”, organized by Japanese Language Teachers Association of India (JALTAI), New Delhi.

Sudipta Das

- 05.03.2021 : Delivered an invited talk in the “JF FELLOW TALK” organized by Japan Foundation, New Delhi.

Arpita Paul

- 27.03.2021 : Delivered an invited lecture and presented a paper in the National Web-Symposium “Language Scenario in India- Then and Now”, organized by Japanese Language Teachers Association of India (JALTAI) (Registration No. S-29703 dated June 26, 1996) Title of the presentation : “Language Scenario in India- Now”

Sudipta Das

- 17-25.08.2020. Participated One Week National e-Workshop entitled- “Using Opensource Learning Management System for Online Teaching” organised by Visva-Bharati Library Network & Dept of Statistics, Siksha Bhavana, Visva-Bharati.

Prosenjit Chakraborty (Research Scholar& Guest Faculty)

- 13.03.2021. Participated in the Online JF “Marugoto” Workshop entitled ‘A1 Katsudoo Evaluation Class’ conducted by the Japan Foundation, New Delhi.
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Deepika Bhatia (PhD. Research Scholar & Permanent Faculty Assistant Professor of Japanese) in Doon University, Uttarakhand

- 25.06.2020 - 26.06.2020- Delivered an invited Talk in the Two-day International webinar entitled “Challenges & opportunities of learning a foreign language in the present context ” organized by the Department of Foreign Languages Studies, Central University of Karnataka, Kalaburgi.

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- 03.08.2020 -10.08.2020- Participated in One-week online faculty development programme (FDP) entitled “E-Learning Platform in COVID 19 Pandemic” organized by Electronics & ICT Academy IITGuwahati, Assam (Supported by Meity).
- 27.07.2020- Participated in Online Workshop entitled “Qualitative Research & Academic writing (QRAW)” organized by Manipur University, Manipur.
- 15.07.2020 – 16.07.2020- Participated in Two Days Online Workshop (Under Swecha) entitled “Free and Open Source Alternative for Web Conferencing and Teaching Learning” organized by Mahatma Gandhi Institute of Technology, Hyderabad.
- 13.07.2020 – 19.07.2020.- Participated in One-week online faculty development programme (FDP) entitled “Emerging Trends of Pedagogy in Language, Literature and Social Sciences “organized by University of Delhi, New Delhi (Under the MHRD scheme of PMMMMNMTT).
- 12.07.2020 Participated in Two days Online JNU Workshop (IV) entitled “Empowering Teaching through Online Mode” organized by Jawaharlal Nehru University New Delhi.
- 15.02.2021 - 16.03.2021 - Participated in UGC Online Faculty Induction Programme organized by UGC- Human Resource Development Centre (HRDC), Osmania University, Hyderabad, Telangana.

Publications (April 2020– March 2021)

Books

Gita A. Keeni

- “Wit of one and Wisdom of many: A Unique Cultural Treasury of Resources —A Study of Proverbs and Sayings pertaining to Fish in Bengal and Japan” in *Japanese Studies in South Asia: New Horizons*, Edited by P.A. George, ISBN-978-81-7211-396-4, 2021.

Dr. Sudipta Das

- 「日本におけるインド独立への事例の少ない足跡」 in *Japanese Studies In South Asia: New Horizons*, Edited by P.A. George, pp.264-273, ISBN-978-81-7211-396-4, 2021.

Joint authors

- “Japan and Buddhism”, *International Journal of Research and Analytical Reviews (IJRAR)*, 26/07/2020, Volume-7, E-ISSN-2348-1269, pp.340-343.
- “The Nihonryoiki: First Buddhist Short Story Collection in Japan”, *International Journal of Advance Research and Innovative Ideas in Education (IJARIIIE)*, 23/08/2020, Volume-6, ISSN(O)-2395-4396, pp.1854-1858.

- “Oral Tradition Focusing on Hinduism and Buddhism beyond the Border”, *International Journal for Innovative Research in Multidisciplinary Field (IJIRM)*, 31/03/2021, Volume-7, ISSN-2455-0620, pp.122-125.

Any other relevant information:

Membership of “JF Nihongo Network” (“Sakura Network”) has been renewed for the period of 2020-2024 by the Japan Foundation.

Student’s achievement:

Subhashree Chattopadhyay – MA 1st year student achieved 2nd rank in the Japanese language Singing Contest organized through on-line mode by the *Nihongo Kaiwa Kyoukai*, Kolkata supported by the Consulate General of Japan in Kolkata.

DEPARTMENT OF CHINESE LANGUAGE AND CULTURE

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

- Department of Chinese Language and Culture (Cheena-Bhavana) Bhasha-Bhavana, Visva-Bharati, Santiniketan organized two day Webinar on “**Understanding China from a Multidisciplinary Perspective**” at Cheena-Bhavana, Visva-Bharati from 9.12.2020 – 10.12.2020. Eminent scholars from Jawaharlal Nehru University, Delhi University, Banaras Hindu University, Institute of Chinese Studies, Delhi, Tezpur University, Central University of Jharkhand, Doon University, Aligarh Muslim University, Central University of Gujarat participated in this Webinar. Indian Ambassador to China, His Excellency Mr. Vikram Misri took part in the inaugural session of the Webinar and addressed the virtual gathering.

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

Avijit Banerjee

- 29.05.2020: Delivered an invited lecture and presented a paper (online mode) in the Workshop entitled “Mandarin Chinese Teaching and learning in India” organized by National Tsing Hua University, Taiwan and Taiwan Education Center in India. Title of Presentation: “A Study in the upsurge for Mandarin Chinese language in India”.
- 16.07.2020-17.07.2020: Delivered an invited lecture and presented a paper in the Two Day International Webinar entitled “Current Issues and Trends in Foreign Language Teaching amidst the Changes in Geopolitical Scenario of East and South Asia” organized by Central University of Jharkhand, Brambe, Ranchi, Jharkhand. Title of Presentation: “Challenges for Chinese Language Teaching in India amid the Covid 19 pandemic”
- 06.08.2020-07.08.2020: Delivered an invited lecture and presented a paper in the Two Day National Seminar entitled “India-China Relations in Post-COVID-19 World” organized by Department of Political Science, Assam University. Title of Presentation: “India China Relations in Post Covid World”.
- 29.9.2020-30.09.2020: Delivered an invited lecture and presented a paper in the Two-day National Webinar entitled “Salience of History, Culture and Language in India-China Relations: Longue Durée and Courte Durée” organized by Centre for Chinese Studies School of Language, Literature and Culture Studies, Central University of Gujarat, Gandhinagar. Title of Presentation: “Importance of learning each other’s language in promoting India-China mutual understanding”.

- 18.11.2020 to 20.11.2020: Delivered an invited lecture and presented a paper in an International Web-based Conference entitled “India China Dialogues Beyond Borders: Cultural, Social And Political/ Diplomatic Perspectives” organized by Department of Foreign Languages, Faculty of Arts, Banaras Hindu university. Title of Presentation: “Tagore’s Historic Visit to China and the Role of Cheena Bhavana in Promoting India-China-Educational and Cultural Exchanges”.
- 18.11.2020 to 20.11.2020: Invited and Chaired a session on 18.11.2020 in an International Web-based Conference entitled “India China Dialogues Beyond Borders: Cultural, Social and Political/ Diplomatic Perspectives” organized by Department of foreign Languages, Faculty of Arts, Banaras Hindu university.
- 27.11.2020: Delivered an invited lecture and presented a paper in the 9th China-South Asia International Cultural Forum Think Tank Dialogue entitled “People-to-People and Cultural Exchanges-” organized by Chinese People’s Association for Friendship with Foreign Countries (CPAFFC), People’s Republic of China. Title of Presentation: “Visva-Bharati Cheena Bhavana-Pioneer in Fostering India-China Relations”.
- 03.12.2020-4.12.2020: Delivered an invited lecture and presented a paper in the “BRICS Seminar on Governance 2020 online” organized by Publicity Department of the CPC Central Committee, the Presidential Executive Office of Russia, China Foreign Languages Publishing Administration (China International Publishing Group), and Russian Newspaper, and organized by Academy of Contemporary China and World Studies (ACCWS) and China Pictorial. Title of Presentation: “People to People Connectivity: Important Tool for Promoting India-China Educational and Cultural Relations”.
- 28.12.2020: Delivered an invited talk through online platform entitled “Challenges for Online Foreign Language Teaching in India in the midst of Covid 19 Pandemic” organized by Dept of Foreign Languages, Tezpur University, Assam
- 28.01.2021-30.01.2021: Delivered an invited lecture and presented a paper in the “13th All India Conference of China Studies” jointly organized by Institute of Chinese Studies, Delhi & IIT, Madras. Title of Presentation: “Importance of Chinese Language Resources in expanding China Studies in India”.
- 19.02.2021: Delivered an invited talk in the online panel discussion entitled “The National Education Policy 2020: Implications for Chinese Language Teaching in India” organized by the UGC China Studies Centre, MMAJ Academy of International Studies, Jamia Millia Islamia. Title of Presentation: Implication for Chinese Language Teaching in India”.
- 27.03.2021: Presented an invited talk at the Online lecture series entitled "Chinese Studies: Opportunities , Challenges and the need for Capacity Building" organized by Centre for Chinese Studies, Central University of Gujrat. Title of Presentation: “Post Covid World: Implication for Learning Chinese language in India”.

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Debdas Kundu

- 18.11.2020-20.11.20- Delivered an invited lecture and presented a paper entitled "Challenges of teaching Chinese to Indian Students" in the international web conference "India China Dialogues Beyond Borders: Cultural, Social, Political / Diplomatic Perspectives" organized by the Department of Foreign Languages, Benaras Hindu University

Research Scholar & Guest Faculty:

Subhendu Ghosal

- 9.12.2020-10.12.2020: Presented a paper in a two-day National Webinar on "Understanding China from a Multidisciplinary Perspective" organized by Department of Chinese Language and Culture (Cheena-Bhavana) Bhasha-Bhavana, Visva-Bharati, Santiniketan. Title of the presentation "Words of Netizens- Understanding China in New Era".

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

- The Department of Chinese Language and Culture, Cheena-Bhavana, Visva-Bharati organized an Inter-Department online quiz competition on " Knowledge about China" on 22.12.2020.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)

Avijit Banerjee

- i. Adjunct Faculty of Institute of Chinese Studies, Delhi
- ii. Member of the Academic Advisory Committee of the Department of Chinese Studies, School of Languages, Doon University

Publications within the year April 2020-March 2021

Avijit Banerjee

- "India-China Diplomatic Relations: A Perspective" *China and India 70th Anniversary of Diplomatic Relations Commemorative Volume*, pp.94-99, Consulate General of China in Kolkata , Kolkata 2020 .

A brief history on the development of the Bhavana/Sadana/Vibhaga .:

Visva-Bharati Cheena-Bhavana (Department of Chinese Language and Culture) was established by Gurudeva Rabindranath Tagore and Prof. Tan Yun-Shan on 14th April 1937 with great ideas of strengthening the age old culture relation and interfaces between India and China through personal contacts and investigations into the history of interrelationship between the two countries. Its establishment was in partial fulfillment of Gurudeva's desire for undertaking collective research work on different aspects of International cultural studies by the great minds of the modern world and for spreading the noble message of universal friendship and brotherhood among the people of the world. The untiring zeal and effort of Professor Tan Yun-Shan with the constant inspiration from Gurudeva Rabindranath Tagore opened up a new vista of Sino-Indian cultural Fellowship in India and in the entire world to some extent.

The Founder Director of Cheena-Bhavana, Professor Tan Yun-Shan expressed his solemn hopes and aspirations on the future of this institution with the following words:

“The Visva-Bharati Cheena-Bhavana is not only a center for Sino-Indian studies but also a concrete link of love and friendship between our two countries, and its aim and goal is not only for the good of our two nations but for the good of the whole world as well. I most humbly pray to all eminent persons in all the times not only in India and China but in the world at large to land their sympathies, help and blessings to this institution.”

Echoing the spirit of Gurudeva, Prof. Tan Yun-Shan expressed high hopes and aspirations about the future role of Cheena-Bhavana but in view of the limited resources he made an appeal to the scholars, statesman and leaders of the world to grace this institution with their blessing and support. Cheena-Bhavana thus envisaged by Gurudeva to grow up as an advanced center of research. The aim and objectives of the Cheena-Bhavana were spelt out as follows:

1. To conduct research studies in Indian and Chinese Learning.
2. To promote interchange of Indian and Chinese cultures.
3. To cultivate friendship and fraternity between the two nations of India and China.
4. To join and unite the people of India and China.
5. To promote jointly, universal peace and harmony of humanity.
6. To help in building up “The Great Unity” of the world.

Gurudeva Tagore aspired to see this institution playing a significant role in Sino-Indian relationship, as reflected in the general rules of the university, which is as follows:

“The objective of this department (Cheena-Bhavana) shall be to establish and promote cultural exchange between China and India for which purpose it will provide facilities for Chinese scholars to study Indian languages, literatures, history, religion, philosophy etc. as well for Indian scholars to study Chinese language, literature, religion, philosophy etc. --- Buddhism being regarded as the nucleus for all such studies.” (Visva-Bharati Bulletin No. 24 of April, 1939).

Chapter-2

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, the names of whom, is not possible to mention within this limited scope, 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.

In November, 2014 President of People's Republic of China Mr Xi Jinping awarded Cheena Bhavana the 'Panchsheel Friendship Award', at a function in Delhi for CheenaBhavana's contribution in upholding the Five Principle's of Peaceful Coexistence, strengthening people to people friendship and promoting World Peace and Development.

Any other relevant information:

Scholarship/ Achievements

- 1) In 2020, two (02) students of M.A. Sem-I in Chinese were selected by the Indian Government for Human Resource Development Ministry Scholarship (MHRD), Government of India, to pursue studies in China under the India-China Bilateral Cultural Exchange Programme under Zero Semester.
- 2) In 2020, one(01) student of M.A.Sem-IV was nominated for Chinese Government Scholarship to pursue studies in China.
- 3) Three (03) students got job in National Technical Research Organisation, Government of India on direct recruitment basis.
- 4) Fifteen (15) students got job in various transnational companies through on campus and off campus selection process.

DEPARTMENT OF MARATHI

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

Ranvir Sumedh Bhagwan

- 15.05.2020 to 21.05.2020 – Participated in seven days National workshop (online) entitled “Exploring some aspects of Ravindranath Tagore” organized by National Service Scheme unit, Burdwan Raj College, Burdwan. West Bengal.
- 07.06.2020 – Delivered an invited lecture and presented a paper in the one day International Odia Webinar entitled “Literature and Cinema: An Interrelationship” Organized by ‘Anyatra’ A literary organization & journal, Santiniketan, West Bengal. Title of Presentation “Marathi Cinema and literature”.
- 15.06.2020- Delivered an invited lecture and presented a paper in the one day National Webinar entitled “Corona nantrachi Marathi bhasha aani sahiyachi sthiti” organized by Department of Marathi, R.B. Attal Arts, Science and Commerce College, Gevrai, Dist. Beed. (Maharashtra). Title of Presentation “Corona nantrachi Marathi bhasha aani samaj”.
- 17.12.2020-Delivered an invited presidential lecture entitled “Sahitya Vywhar aani Samaj Bhan” in the Refresher Course organized by H.R.D.C, Rashtrant Tukdoji Maharaj University, Nagpur, Maharashtra.
- 18.02.2021 to 03-03-2021_– Participated and completed in Refresher Course entitled “ Tribal Studies” organized by H.R.D.C. Ranchi University, Ranchi, Jharkhand.

Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S etc.):

Administrative activities of Teacher

1. Vice-Principal of Bhasha-Bhavana (Oct 2018 to July 2020)
2. Holding the post of In-charge, Deptt.of Marathi.
3. Programme officer of the NSS Unit, Bhasha-Bhavana.
4. University NSS Programme Coordinator.

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Publications (April 2020-March 2021)

Articles/Journals

- “Badal Sarcar : Manav jivan ki baicheen rupkatha ke siddhantkaar”-Ranvir Sumedh
Bhagwan-Visva-Bharati Patrika, Volume No-77, ISSN2348-497, July to September 2020.

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

Department of Marathi was introduced course of **Generic Elective** for **academic year 2020-2021**.

DEPARTMENT OF TAMIL

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

- Satheeswaran.G, UGC JRF
- Muralitharan.M, UGC-NET

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

- 14.01.2021 Mr. Satheeswaran.G, Tamil-Bengali case markers,
- 22.01.2021 Mr. Tamil Sankar.S, Buddhism in Tamil Nadu,
- 30.01.2021 Dr. Senthil Prakash.S, Modern Tamil Feminism,
- Mr. Muralitharan.M, Sangam literature in Translation,
- 11.02.2021 Dr. Senthil Prakash.S, Tamil -Bengali Translation,
- 15.02.2021 Mr. Satheeswaran.G, Literary works of Nabanita Sen,
- 08.03.2021 Mr. Tamil Sankar.S, Manimekali a Buddhist Literature,
- 13.03.2021 Mr. Muralitharan.M, Kalidasan Sankunthalam in Tamil translation,
- 23.03.2021 Dr. Senthil Prakash.S, Research Design.

Webinars organized by the Centre for the Tamil Language Co-Ordinator:

Senthil Prakash. S

- 29.05.2020: Organized International Webinar on "Research Methodology - Research problem, hypothesis and aim" through Zoom Meeting.
Live: https://www.youtube.com/watch?v=R1vjQ_0EBfM&t=4217s
- 31.05.2020: Organized International Webinar on "Research Methodology - Classical Tamil."
Live: <https://www.facebook.com/tamil.visvabharati/videos/105819007825133/>
- 05.06.2020: Organized International Webinar on "Research Methodology - Marxist pedagogy."
Live: <https://www.facebook.com/tamil.visvabharati/videos/112180467188987/>
- 12.06.2020: Organized International Webinar on "Research Methodology - Research topic."
Live: <https://www.facebook.com/tamil.visvabharati/videos/118288743244826/>
- 19.06.2020: Organized International Webinar on "Research Methodology – Feminism."
Live: <https://www.facebook.com/tamil.visvabharati/videos/122549292818771/>

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- 01.07.2020: Organized International Webinar on "Research Methodology - Multidisciplinary research in diaspora studies."
Live: <https://www.facebook.com/tamil.visvabharati/videos/129106265496407/>
- 03.07.2020: Organized International Webinar on "Research Methodology - Traditional grammar."
Live: <https://www.facebook.com/tamil.visvabharati/videos/129944365412597/>
- 15.07.2020: Organized International Webinar on "Research Methodology - Multidisciplinary studies."
Live: <https://www.facebook.com/tamil.visvabharati/videos/136178131455887/>

National and International standard Conference/Seminar/ Workshop / Exhibition etc. attended.

Dr.Senthil Prakash. S

- **27.05.2021:** Delivered an invited lecture in the International webinar entitled "Research Methodology" Organized by Department of Tamil, KanchiSankara Arts & Science College, Tamil Nadu. Title of the presentation "Importance of Review of Literature."
- **07.09.2020:** Delivered an invited lecture in the International webinar entitled "Modern Literary translation in Tamil" Organized by Department of Tamil, PSGR Krishnammal Arts & Science College, Tamil Nadu. Title of the presentation "Reception and influence of Sartchandra's *pather dabi* fiction."
- **2.11.2020 - 6.11.2020:** Participated in the Training cum workshop on Item writing in Tamil organized by National Testing Service-India at Central Institute of Indian Languages, Mysore

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Department's Teachers and students. –

- i) We Organized an International webinar on "Research Methodology" for Research Scholars. (08 programmes)
- ii) On behalf of our Department, we completed the Geetanjali translation in Tamil.

Academic distinctions gained by Teachers/Scholars or the Department as a whole Senthil Prakash. S

- Appointed as member Board of studies, Department of Indian Languages, Banaras Hindu University, Varanasi
- Associate Editor –Modern Tamil Research Journal, Trochee, ISSN-2321-984X
- Editorial Board Member, Pandiaya Nadu Research Journal, Madurai.

- Editorial Board Member, Classical Thamiz Journal, Trichy.

Publications (April 2020-March 2021).

Senthil Prakash. S

- “Thamizlil boudhaaivukal.” *Modern Thamizh Research*, Vol.8, No.4, pp.109-115.
- “Thamizililumvangalathilumillakanaoppavukal.” *Modern Thamizh Research*, Vol.8, No.4, pp.128-133.

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

1. e-Content developed for Certificate in Tamil, Two papers- 6 modules.
2. Online classes conducted through Google meet for all the courses.
3. Research scholars special training conducted in the field of Translation.
4. 500-e-books collected from Tamil virtual academy for the Departmental library.
5. All the course paper syllabus, books & study materials are digitalized and distributed to the newly admitted students.

DEPARTMENT OF ASSAMESE

**National and International standard Conference /Seminar /Workshop / Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers/Research Scholars:**

Sangita Saikia:

- 1) 24.07.2020- Delivered invited lecture entitled“Baul & Deh Bichar Geet” as the Resource Person, National Webinar organized by Beltola College, Guwahati.
- 2) 11.08.2020- Delivered invited lecture on “Challenges of Performing Art during Covid-19 and its Impact on Society” of the National Webinar organized by the Department of Assamese, Bijni College in collaboration with IQAC, Bijni College on Covid-19 & Present Education System.

Publications (April 2020– March 2021)

Sangita Saikia

Text books ii) Other books :

- 1) Sarvagunakar, Epitome of all virtues (Book),Edited Reference Book on Srimanta Sankardeva, Edited by Dr. Sangita Saikia & Bibekananda Choudhury, 2020, Binit Book Builders. Ghy 1, ISBN: 978-93-89697-02-5
- 2) Chandra Barpatra Gohain Galpa Samagra (Book),Edited Short Story Collection, Edited by Dr. Sangita Saikia & Dr. Jyoti Buragohain, 2020, Purbayan Publication, Guwahati, ISBN : 978-93-89940-48-0

Research Article

- “missing lokagitasomiya bhasharupadan”, *Satsari*, pp.42, Vol-15, No-VIII, ISSN 2319-8893,2020
- “bhasha baichitrya arudeuri bhasha”, *Sampriti*, pp. 14,Vol-6, No-1, 2020,ISSN 2454-3837
- “baularudehbichargeet: ektulanamulakadhyayan”, *DogoRangsang*, pp.195, , Vol-7, No-XII, ISSN 2347-7180,2020.
- “asomiya bhashaidhrupadimaryadalabhorsambhavaniyata”, *Satsari*, Vol-16, No-3, pp. 45, ISSN 2319-8893,2020.

Any other relevant information:

2 Research Scholars of Assamese Department awarded Ph. D & 1 Research Scholar got permanent service in a college of Assam as Assistant Professor.

**CENTRE FOR MODERN EUROPEAN LANGUAGES, LITERATURES
AND CULTURE STUDIES**

Departmental Seminars, National Seminar / Workshop:

- 28.05. 2020: CMELLCS organized National Webinar “Learning European Languages Online: Scope & Perspectives”. Dr Sajal Dey, Assistant Professor of Russian, EFLU, Shillong Campus & Mr. Dharmendra Kumar Singh, Assistant Professor of French, EFLU, Shillong Campus delivered lectures via online platform.

International & National Conferences /Seminars/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Nilanjan Chakrabarti

1. 21.07.2020: Participated as a Resource Person at a Faculty Developed Programme organized by Amity University Kolkata
2. 04.12.2020-05.12.2020: Participated in an international web conference as keynote/invited speaker entitled “Post-Covid Global Challenges and New Developments in Foreign Language Domain” organized by Amity School of Foreign Languages, Amity University, Kolkata

Romit Roy

1. 20.07.2020: Delivered an invited lecture as a Resource Person in the Five Days Faculty Development Programme (Online) entitled “Enhancing Teaching Skills of Foreign Language Teachers” organized by Amity School of Foreign Languages, Amity University, Kolkata. Title of presentation “Discovering One's Potential as a Language Teacher”
2. 7.10.2020: Delivered an invited lecture (online) organized by Amity University, Jaipur. Title of presentation “Technology in Language Classes Today: Possibilities and Shortcomings”
3. 25.01.2021-30.01.2021: Participated in an International Translation Workshop entitled “Deutschsprachige Gegenwartsdramatik in südasiatischen Sprachen” (“Contemporary German Drama and Theater in South Asian Languages”) organized by Goethe Institut / Max Mueller Bhavan, Mumbai.

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Sunita Acharya

1. 06.10.2020 – 01.12.2020: Participated in First All India Online-Olympiad, organized by The Pushkin State Russian Language Institute, Moscow and INDAPRYAL (The Indian Association of Teachers of Russian Language and Literature).
2. 01.12.2020 – 18.12.2020 – Participated in International Methodological Online School. entitled “Teaching Russian as a Foreign Language: Constructing New Realities” Organized by Immanuel Kant Baltic Federal University, Kalingrad, Russia.

Publications (April 2020 - March 2021)

Nilanjan Chakrabarti

1. “Le Théâtre Francophone Sub-saharien: origine et actualités” “*Rethinking Theatre, Drama & Sustainable Studies*” edited by Prof. Dipa Chakrabarti published by LANGERS INTERNATIONAL, New Delhi (ISBN: 978-93-89623-46-8) published in March 2021.
2. “Bodlaire er kobitar bhab rup o darshon (Meaning, form and philosophy of Baudelaire’s poetry)” *Ebong Mushayera* (accepted for publication in Bengali literary review), January 2021

Subhash Kumar Thakur

1. New Village Prose in Contemporary Russian Literature: Traditions and Transformations (In Russian) in *CRITIC* No. 17, 2020, pp no. 77-83. *A Journal of the Centre of Russian Studies*, Jawaharlal Nehru University (UGC-CARE List Journal) [ISSN: – 2229 – 7146]

A Brief history on the development of the Bhavana /Sadana/Vibhaga:

Centre for Modern European Languages, Literatures and Culture Studies (CMELLCS) was created in 2014 keeping in mind Rabindranath Tagore’s internationalist vision: *Yatra Visvam Bhavatyekanidam* (Where the world makes a home in a single nest). The aim of CMELLCS is to promote an understanding of European civilization and its diverse impact on the world through the study of its languages, literatures and cultures, and through translation. The four modern European languages currently offered for study under CMELLCS are French, German, Italian and Russian.

Until 2014 French, German, Italian, Russian were offered as part-time evening courses viz. as Certificate, Diploma and Advance Diploma courses by the respective language units under Department of English & Other Modern European Languages (DEOMEL) for decades.

Scholars from France, Germany, Italy & Russia as well as other European countries regularly visited Visva-Bharati since 1921 for various scholarly pursuits. Teaching of French and German began in 1921, in the year of official inauguration of Visva-Bharati. Italian was introduced in 1979 and Russian in 1980.

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CMELLCS has introduced B.A (Hons.) programme in 2014 & M.A in 2017. CBCS system has already been implemented in all UG programmes since 2017. At present, Ph.D. programme is being offered to students of French and Italian. Subsequently Ph.D. in Russian and German will be also offered in the near future.

CENTRE FOR COMPARATIVE LITERATURE

National and International standard Conference/Seminar/ Workshop/ Exhibition etc. Details of chairing/Evaluation/Presentation made by Teachers /Research Scholars:

Soma Mukherjee

1. 26.05.2020 – 27.04.2020 : Delivered an invited lecture and presented a paper in the International Webinar entitled “The Politics of the Women’s Writings” organized by Department of English, Bharati College, University of Delhi. Title of the Presentation – “Women Writing in India: An Idea of Alternative Literary History”
2. 18.06.2020 – 19.06.2020 : Delivered an invited lecture as resource person in the International Webinar on “Literary and Cultural History of the Caribbean Islands and Africa: A Panoramic Perspective” organized by Department of English, SDNB Vaishnav College for Women, Chennai.
Title of the Presentation – “Language Politics in the Writings of Ngugi waThiong’O”
3. 02.03.2021 – 15.03.2021 : Completed an Interdisciplinary Refresher Course entitled “Comparative Literary Studies: Indian Dimension” organized by UGC-HRDC and the Department of Comparative Indian Language and Literature, University of Calcutta.

Dheeman Bhattacharyya

1. 23.05.2020 – 29.05.2020 : Completed one week faculty development programme on MOODLE organized by Willingdon College, Sangli and Spoken Tutorial, IIT, Bombay.
2. 04.10.2020 : Delivered an invited lecture as Resource person in a Webinar entitled "Locating Indigeneity and Rearticulating Resilience: Chhara Studies Today" to be organized by the Centre for Canadian Studies, Jadavpur University. Title of the Presentation - “*The Lower Depths*’: Problems of Drafting Urban Historiography on the Chhara Community”.
3. 17.11.2020 : Delivered an invited lecture as Resource person in a national Webinar organized by STRIDE Project St. Aloysius College, Mangaluru. Title of the Presentation - “ The ‘Folk’ in Theatre: Colonial Encounters and the Idea of a Genre”.
4. 11.12.2020 : Delivered an invited lecture as Resource person in a Webinar entitled “ Art, Design and Literature” organized by Velammal Knowledge Park, Chennai. Title of the Presentation - “The Storyteller’s World”.
5. 09.02.2021 : Delivered an invited lecture as Resource person in an International Conference entitled “ Global Education and the Humanities in the Time of Covid19: Challenges and Perspectives beyond Borders” organized by the Centre for Canadian

Studies, Jadavpur University. Title of the Presentation - Deceit, desire and the disease: Contextualising land, labour, capital in the Indigenous Communities in India and Canada”.

Sounak Dutta (Research Scholar)

1. 25.02.2021-28.02.2021 : Participated and presented a paper in the 6th International Congress of Bengal Studies, jointly organized by the International Society for Bengal Studies (India and Bangladesh) and the Department of Modern Indian Languages and Literary Studies, University of Delhi. Title of the presentation: "Comparative Literature in Contemporary India: Question of Language and Beyond."

Mrittika Ghosh(Research Scholar)

1. 5. 8. 2020 - 7. 8. 2020: Participated and presented a paper in the International Web conference entitled “Rethinking Humanities and Its Entanglements”, organized by Amity Institute of English Studies and Research, Amity University Kolkata. Title of the presentation: “Rethinking ‘Feminism’ through denial”: Exploring the politics of women’s writing in Northern Nigeria through Zynab Alkali’s *Stillborn* and *The Virtuous Woman*
2. 22. 8. 2020 – 23. 8. 2020: Participated and presented a paper in the International Webinar entitled “African Literature, Orature and Culture”, organized by The Department of English Rishi Bankim Chandra College, in collaboration with University of Uyo, Nigeria, Department of English and Literary Studies, University of Nigeria, Nsukka and the Department of English Dhaka City College. Title of the presentation: “Epics.... Comparatively”: A comparative study of *Kalevala* and *Mwindo*.

Academic distinctions gained by Teacher/Scholars or the department as a whole (Like recognition as D.S.A or C.A.S. ETC.)

Ishani Dutta (Research Scholar)

1. Received ACLA Haskell Block Award 2021 from American Comparative Literature Association

Publications (April 2020 – March 2021)

Dheeman Bhattacharyya

1. “Dancing with the Weesaygeechak: De-coding Indigenous ‘humour’ in the Performance Texts of Indigenous Artists in Canada” Dheeman Bhattacharyya in B. Hariharan and SujaKurup PL (eds.) *Humour Traditions in Australia and Canada*. Emerald Publishers (2020). Pp. 72-82. ISBN- 9789389080735.

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2. “Stolen Roads: Reclaiming Paths of Decolonisation through Community Theatre Practices” August 05, 2020 in Discover Society “*Artistic and Intellectual Hospitality*”. <https://archive.discoversociety.org/2020/08/05/stolen-roads-reclaiming-paths-of-decolonisation-through-community-theatre-practices>

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

Dheeman Bhattacharyya completed a Basic Script Writing course in September – October 2020 and introduced skill development course on script writing in the MA level of the Centre for Comparative Literature, Bhasha Bhavana.

Any other relevant information:

The Centre for Comparative Literature is organizing a monthly online lecture series Carca. Research and M.A students are publishing an online E newsletter called CompLitE বার্তা and annual magazine Tumulayan.

CENTRE FOR ENDANGERED LANGUAGES

Traditionally India is viewed as a pluralistic society that is supportive of all languages-big or small. Our constitution too is committed to the language rights of all, including the right to mother tongue education. Now National Education Policy 2020 is supporting marginal languages of the country. However, the education system has encouraged the growth of dominant languages more, and in practice most of the smaller languages are not included. This has resulted in marginalization of diverse linguistic communities and enhanced threat perceptions to their languages. To safeguard these languages, we also need to formulate clear cut plans for the empowerment of these languages and their speakers. This would involve linking languages with literacy and education, with technology and with economic opportunities. 'Structure' of Endangered Languages has developed as a theme of serious research in informed linguistic circles for about two decades now.

Therefore, the academic bodies and institutions are now asking if many of our smaller languages, several of which belong to tribal and marginalized communities, are indeed seriously threatened, and what steps are to be taken in order to safeguard our most precious linguistic heritage, and document the same. Here lies the genesis of the attempt of the University Grants Commission (UGC) to set up Centers for Endangered Languages (CFEL) in both Central and State Universities.

Objectives of the Centre:

- To undertake inter departmental and inter disciplinary research related to endangered languages.
- To undertake fieldwork, research, analysis, archiving and documentation of smaller indigenous/endangered languages using state-of-the art speech and language technologies, in formats that are universally acceptable viz. digital textual, audio and video formats.
- To produce and publish monographs, grammars, grammatical sketches, dictionaries and lexicon, ethno-linguistic and theoretical descriptions, collection of oral and folk literature and scholarly book on endangered languages.
- To produce language and dialect atlases with special reference to minority and endangered languages.
- To organize workshops and seminars aimed towards promoting advanced research related to endangered languages.
- To train teachers and students from other departments/centres in Field Linguistics, Lexicography and in techniques for data management and documentation. Field Linguistics should constitute an indispensable part of the centre.

Chapter-2

- The Centre should serve the indigenous and endangered language communities by making accessible the products of the research of the Centre i.e. digital and analogue archives of linguistic data, language teaching material, and language artifacts.
- To promote and foster various domains of endangered languages so as to ensure minority/endangered language communities in maintaining and preserving language vitality, including the development of orthographical resources like scripts, book of letters primers.
- To digitize data collected in the course of the research in the Centre and make it available to public by internet.

Activities of the Centre:

- Meeting of Purchase Committee was held on 16th October, 2020
- First Meeting (online) of Advisory Board was held on 26th November, 2020.
- Meeting of Purchase Committee was held on 28th November, 2020 and invited tenders for publication of books of the Centre was finalized.
- Second Meeting (online) of Advisory Board was held on 16th December, 2020.
- Registrar, Visva-Bharati signed a contract with a private company (Webstep) for web-portal (cfelvb.in) & mobile app development and maintenance on behalf of the Centre.
- Prepared online Census-India & UNESCO language Atlas referenced linguistic map to locate marginal languages population.
- Prepared wall poster for Kurux having alphabet for learning purpose.
- Developed complete data-portal for exploration of Centre's data and reports etc. i.e. <https://cfelvb.in/>.
- Developed android app (mirror of web-portal), available on Play Store: <https://play.google.com/store/apps/details?id=com.ionic.cflevb>
- Organized web-content development workshop from 9th October to 19th Dec, 2020.
- Organized interaction program with Koda Community and Suchna Library, Gwalpada, Birbhum on 18th November, 2020 for purpose of dictionary making and bibliographic data collection.
- Conducted fieldwork for bibliographic data collection in Ranchi during 11-16th January, 2021.
- Conducted fieldwork for Ethnographic data of Oraon community in Uper Dumro village, Birbhum on 30th January, 2021
- Participated in the meeting of UGC Review Committee on 5th March, 2021.

**National and International standard Conference / Seminar / Workshop /Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers:**

Arimardan Kumar Tripathi

- 14.09.2020: Delivered an invited lecture in an event based on Official Language Day at Visva-Bharati.

Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department.

- Observed Gandhi Punayaha- 2021 on 10th March, 2021.

Academic distinctions gained by Teacher/ Scholars or the Department as a whole (Like Recognition as D.S.A. or C.A.S. etc.) :

Arimardan Kumar Tripathi

- Participated (online/offline) in meetings of Academic Council at MGAHV, Wardha.

Publications (April 2020 - March 2021)

Arimardan Kumar Tripathi

(I) Research Article/Papers:

- “hindee prokti evam anvaadesh : korpas aadhaarit ek adhyayan” (Hindi Discourse and Anaphora : A Corpus Based Study) in *Gaveshna*-118, ISSN: 0435-1460, Central Hindi Institute, Agra.
- “prokti ke sanganaakeey sanrachak” (Computational Constituents of Discourse) in *Madhya Bharati* – 78, ISSN: 0974-0066, Dr. Hari Singh Gaur University, Sagar. January-June 2020
- “bhaarateey bhaasha vishvavidyaalay” (Indian Languages University) in *Patahar* 5/4- ISSN: 2456-0413, October- December, 2020.
- Coordinated a debate entitled “raashtravaad evam sankatagrast bhaashaen” (Nationalism and Endangered Languages) for *Vagarth*, Vol-304, ISSN: 2394-1723, Kolkata

(II) Newspaper Article focused on linguistic awareness:

- “neeti, drushti evam bhaarateey bhaashaen” (policy, vision and Indian languages) in *Jansatta* a daily Hindi newspaper on 10th August, 2020.
- “krutrim medha ka dushchakr” (vicious circle of artificial intelligence) in *Jansatta* a daily Hindi newspaper on 18th Oct, 2020.
- “bhaashaee pitrusatta” (linguistic patriarchy) in *Jansatta* a daily Hindi newspaper on 24th January, 2021.

Chapter-2

A brief history on the development of the Centre concerned with an indication of the future plans for development.

History

Centre for Endangered Languages (CFEL) is an independent research Centre established by Visva-Bharati (vide REG/O-R/89(vi), dated 26.5.2014) through an office order dated based on the UGC Sanction (F. No. 15-6/2012/CU dated 3rd April 2014) of a major national initiative in nine central universities with Visva-Bharati's CFEL as the nodal Centre. Prof. Udaya Narayana Singh of Rabindra Bhavana, Visva-Bharati was appointed by the University as the Chairman of CFEL with the responsibility of implementing the UGC's mandate, and to report to the Upacharya, vide another office order on 26.5.2014.

Future Plan

- To setup a full-fledged interdisciplinary Linguistics Department for marginal languages and cultural study.
- Publishing books and dictionaries of the Centre.
- Conducting intensive field work for language and cultural documentation in West Bengal, Tripura, Odisha, Jharkhand & Bihar.
- Productizing language descriptions, map, tools, reports, primer and other resources.
- Research and Development of NLP focused on marginal languages.
- Video documentation and documentary production.
- Linguistic data validation from language experts.
- Community based workshops and socio-cultural reporting.
- To fill the data of Indian languages for language endangerment alarm to sensitize the society and speech communities.
- Workshops with representatives of communities.
- Helping in recommendations of National Education Policy-2020.
- To setup a National Folklore Museum and online archive for the same.
- To preserve linguistic and cultural diversity of country through digital mediums.
- To explore Digital India in regional languages.
- To setup an online Language Information Hub for regional languages through its portal.
- To develop and popularize language learning tools and language games for cross linguistic communities etc. through its portal and mobile app.

CENTRE FOR BUDDHIST STUDIES

Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S etc.)

Aruna Ranjan Mishra

- Elected Executive Body Member of All Indian Oriental Conference, Nagpur, Maharashtra, 2020-21.
- General Secretary, Eastern Indian Oriental Conference, Puri, 2020-21.

Publications (April 2020 - March 2021)

Arun Ranjan Mishra (Director, I/C, Centre for Buddhist Studies)

Books of Research Published

- “Sanskrit Translators Tryst with Tagore’s Imagination and Style”, Bipasha Das and A.R.Mishra, , ISBN- 978-81-7702-452-4, Pratibha Prakashan, Delhi , 2020.

Book chapter

- “Gita on Work-culture as the Back-bone of Society”, *Swarnasundaram* (Dr. N.S.Mishra Felicitation Volume), Ed. S.B. Mishra, pp – 117-128, ISBN: 978 – 81- 86359 – 88 – 5.Kolkata, July 2020.

A Brief history on the development of the Bhavana /Sadana/Vibhaga:

Rabindranath Tagore favoured to open educational departments 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 research on Buddhist Studies at Visva-Bharati. Rabindranath Tagore himself was a student in the classes of Professor Levi in the early twenties along with M.V. Shastri and P.C. Bagchi (1898-1856). The research contributions of P.C. Bagchi and M.V. Shastri to Buddhist Studies through the medium of Chinese, Tibetan and Japanese at Visva-Bharati became of extreme importance for later scholar generations.

In 1925 the Italian Government under Mussolini sent Giuseppe Tucci (1895-1984), an Italian scholar of oriental cultures, specializing in Tibet and History of Buddhism to Santiniketan, where he taught Italian and Chinese languages and also studied Buddhism, Tibetan and Bengali. He remained in India till 1931.

With the establishment of Cheena Bhavana by Rabindranath Tagore and Prof. Tan Yun-Shan in 1937 to promote peace and harmony and building up of the ‘Great Unity’ of the world, and the opening of Certificate and Diploma courses in Indo-Tibetan and Japanese under P.C.

Chapter-2

Bagchi in 1954, Buddhist Studies continued in study and research in separate Department of Visva-Bharati. Great contributors to Buddhist Studies in the last decades were by venerable mChi.Med Rig. 'Dzin Lama (1954-1985), Lama Chimpa (1928-2011) and S.K. Pathak (born 1924).

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 Into-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 Pres, New Delhi).

Present Advisory Board:

1. Chairperson : Prof. Bidyut Chakraborty, Vice-chancellor, Visva-Bharati
2. Prof. Manju Rani Singh, Principal, Bhasha-Bhavana
3. Prof. Amal Kumar Pal, Director, Rabindra Bhavana
4. Prof. Rabindranath Mishra, Head, Department of Hindi
5. Dr. Sedup Tenzing, Head(I/C), Department of Indo-Tibetan Studies
6. Prof. Aruna Ranjan Mishra, Director (I/C), CBS and Convener

Any other relevant information:

Centre for Buddhist Studies has been able to generate awareness among students about Lord Buddha and the ideals of Buddhism in the Campus.

VIDYA-BHAVANA *(Institute of Humanities & Social Sciences)*

Vidya-Bhavana is the keystone of Gurudev Rabindranath Tagore's concept of Visva-Bharati as a centre of higher learning. It started out as Uttar-Vibhaga, The Department of Advanced Studies, in July 1919. After Visva Bharati formally came into existence in 1921, it was renamed Vidya-Bhavana - the Institute of Higher Studies and Research in 1925. Adhyapaka Vidhusekhar Sastri, - the great philosopher and Sanskrit scholar who selected the motto of Visva-Bharati, yatra visvam bhabatyekaniram - was the first Adhyaksha (Principal).

Vidya-Bhavana is now the Institute of Humanities and Social Science - a major faculty of the University with several departments functioning under it - Ancient Indian History Culture & Archaeology, Anthropology, Center for Journalism & Mass Communication, Center for Women's Studies, Economics and Politics, Education (as a field of Social Science) History, Geography, and Philosophy & Comparative Religion.

Vidya-Bhavana has been successful in attracting a significant number of foreign students not merely from the SAARC nations but all over Asia, Europe and beyond.

Most departments of Vidya-Bhavana offer courses at the Bachelors, Masters, M. Phil. and Doctoral levels. The faculty members and scholars of the departments publish widely in national and international Journals and teach research and attend conferences and workshops in many Universities in India and abroad. A substantial number have obtained prestigious fellowships and successfully completed projects funded by national and foreign institutions. Students and scholars of the Bhavana have been placed in prestigious institutions all across the country and beyond.

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 had not had its germination in the mind of the Poet. Rabindranath had hesitation to designate his Centre of Culture as University. “The mischief is that, the Poet wrote as early as 1919, as soon as the idea of a University enters our mind, the idea of a Cambridge University, Oxford University, and a host of other European Universities, rushes in at the same time and fills the whole space. We then imagine that our salvation lies in a selection of the best points of each patched together in an eclectic perfection.” In his schemata of the seat of the Indian learning, there were no impatient craving for results, no unfortunate weakness for imitation and an unnatural desire for a full-grown University from its very birth. The idea of Visva-Bharati is a *great idea*. It “should not only be the centre of the intellectual life of India, but the centre of her economic life also.” But without being able to generate a centripetal force that would attract and group together our diverse cultural heritage and all our own materials, the creation of *a complete and moving orb of Indian culture* will remain a distant dream. Thereby in its formative stage to give shape to the centre of Indian learning and to establish an intellectual unity if India, the Founder of the Visva-Bharati provided for the co-coordinated study of different cultures- the Vedic, the Puranic, the Buddhist, the Jain, the Islamic, the Sikh, the Zoroastrian and the European, which would enable the Institute to assimilate the best of others that would manifest the eternal truth declared in ancient India: *ātmavat savabhutesu ya pasyati sa pasyati* - He alone sees, who sees all beings as himself. Herein lies the root of the School of Indology at Visva-Bharati, the sapling of Indian History that was planted by Rabindranath and nourished by scholars from home and abroad- the most distinguished from among them included Sylvain Levi, Maurice Winternitz, Vincent Lesny, Sten Konow, Giuseppe Tucci, Kshitimohan Sen, Vidhusekhara Sastri and Probodhchandra Bagchi

The Visva-Bharati of Rabindranath became a central university in 1951. The school of Indology left its fragments as Departments of Ancient Indian History and Culture, Modern Indian History, Arabic, Persian, Urdu and Islamic Studies, Sanskrit, Pali and Prakrit, 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 semester system in the three-years six semesters 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. two years course and Applied and Field research oriented Ph.D. Level programmes in Ancient Indian History Culture and Archaeology.

Museum and Archaeological Lab

The Department of Ancient History Culture and Archaeology has opened a new Museum and Archaeological Lab in the New Building (Ground Floor), Vidya-Bhavana. The Museum contains mostly ceramic collections from archaeological sites like Hatikra, Balupur and Kotasur. The Archaeological Lab has recently acquired a human skeleton model (170 cm) and 41 pieces of replica tools (3D) of Lower, Middle, Upper Palaeolithic and Neolithic Culture for teaching purpose of the students.

In the Department, in the month of March, the first floor of the old museum hall was converted into a fully equipped AC Seminar Hall with new power point facilities and audio system was installed and the seminar hall is name after eminent historian Prof. Sudhakar Chattopadhyay, founder of the Dept.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:

| | | |
|------|----------------|-----------|
| i. | Suman Saha | WBCSC-SET |
| ii. | Surajit Das | UGC/NET |
| iii. | Ganesh Das | UGC/NET |
| iv. | Debajit Ghosh | UGC/NET |
| v. | Ruma Mukherjee | UGC/NET |

National and International standard Conference/Seminar/Workshop/Exhibition etc :

Anil Kumar

- 07.01.2021: Delivered an invited lecture on the occasion of Prof. Vijay Thakur Memorial Lecture (Online) Organised by Bihar State Archieves, Patna. Invited as Resource Person.
- 15.01.2021: Delivered an invited lecture (Online) on the occasion of Guru Dakshta Faculty Induction (FIP) UGC-HRDC programme, Organised by Guru Ghasi Das Visvidyalaya, Bilashpur, Chattisgarh. Invited as Resource Person.

Chapter-2

Sarita Khettry

- 26.02.2021: Delivered an invited lecture and presented a paper on the occasion of Visva-Bharati Lecture Series organized by the Center for Comparative literature, Visva-Bharati, Santiniketan
Title of the presentation: “Visva-Bharati and the history of the Department of Ancient Indian History Culture and Archaeology”. Invited as Resource Person.

K. Mavali Rajan

- 16.09.2020 - 29.09.2020: Delivered an invited lecture in Refresher Course in History (which is scheduled from for College/University teachers organized by Human Resource Development Centre, Madurai Kamaraj University, Madurai, Tamil Nadu.
Title of the presentation: “Ethnographic Study: Methods and Techniques”
Invited as Resource Person
- 18.06.2020-19.06.2020: Delivered an invited lecture and presented a paper in the National Level Webinar entitled “India: Past and Present- A Historical Perspective” organized by the Department of History, Aringnar Anna Government Arts College, Musiri
Title of the presentation: “Glimpses of Early Indian Society: Structure and Functions”
Invited as Resource Person
- 09.10.2020: Delivered an invited lecture (online) in the Guest Lecture programme of the Department of History, V.V.Vanniaperumal College, Virudhunagar, Tamil Nadu
Title of the presentation: Recent Approaches and Methods in Historical Research in India”
Invited as Resource Person
- 03.09.2020-04.09.2020: Delivered an invited lecture and presented a paper in an International e-Conference entitled “Indian Influence on South Asian Culture and Heritage” organized by the Department of History and IQAC, Saldiha College, Bankura, West Bengal in collaboration with IQAC, Cinnamara College, Cinnamara, Jorhat, Assam.
Title of the presentation: “An Appraisal on the Chola Influence in Southeast Asia”.
Invited as Resource Person.
- 31.03.2021: Delivered the Invited lecture (online) and presented a paper in the National Level Webinar organized by the Department of History, D.G. Government Arts College for Women, Mayiladuthurai.
Title of the presentation: “New Trends in Historical Writings”.
Invited as Resource Person.

Ongoing Research Projects in the department:

- Dr. Anil Kumar “Conducting Excavation at Lalpahari, Lakhisarai”, In collaboration with Bihar Heritage Development Society, Govt. of Bihar since 25th of November 2017.”

- 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.
- Dr. Bina Gandhi Deori awarded Major Research Project on 'Intangible Cultural Heritage of the Galo Tribe of Arunachal Pradesh' funded by University Grants Commission.
- 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).
- Dr. Suchira Roychoudhury has been working on the archaeological ceramics of Mangalkot as part of her ongoing research on the post excavation analyses of Mangalkot excavation. Apart from that, she is trying to prepare a database on the archaeological ceramics of the sites of Kotasur and Hatikra (accessed in the Departmental Museum). She has also studied preliminarily the ceramics of the site of Lalipahari, Lakhisarai which is an ongoing departmental excavation directed by Dr. Anil Kumar and Dr. Bijoy Choudhary in collaboration with Government of Bihar. She has also actively participated in organizing the new Museum and Archaeology Lab of the department at the Annexe building. She has also undertaken field exploration tour with the undergraduate students to Mangalkot and Pandu Rajar Dhibi as part of their syllabus curriculum.

Academic distinctions gained by Teachers/Scholars or the Department as a whole:

K. Mavali Rajan

- Received Dadhi Mahanta Memorial Social Science National Award for 2020 from Mahan Chandra Mahanta Adhyayan Gibesona Kendra (A Social Science Research Centre established in collaboration with Cinnamara College), Cinnamara, Jorhat, Assam on 17th January 2021.

Publications:

Anil Kumar

Research Articles / Paper in Journal:

- "A Typo-chronological Study of Ceramics from Lalpahari, Lakhisarai, Bihar" *Pratna Samikha*, New Series 11, pp. 41-72, ISSN No. 2229-7979, Centre for Archaeological Studies & Training, Eastern India, Kolkata..” (Joint Paper with Mr Siddharatha Saha).

Chapter-2

Book chapters / text book / monograph etc.:

- “Antiquarian Remains at Lakhisarai: An Apparisal” *Alternative Arguments, Essays in Honour of S. Gopal*, (Edited by Syed Ejaz Hussain and Sanjay Garg), Vol.1, pp. 152-186, 2020, Primus Publication, New Delhi.
- “Excavation at Lalpahari (Lakhisarai, Bihar) 2018-2019” *Interrogating Early India: Evolving Perspectives*, (Edited by Rajat Sanyal and Sharmila Saha), pp.26-48, ISBN-978-93-88207-19-5/ 978-93-90232-85-7, 2020, Paiolc publication, Kolkata (Co-author- Eshaan Harit and Tanmoy Mondal)

Sarita Khettry

Book chapters / text book / monograph etc:

- “Abhilekher Dristibhangite Uttor-Paschim Bharate Laukika Baudhadharmer Itihas (khristapurva tritiya satabdi- khristitya tritiya satabdi)”, *Itihas Anusandhan*, vol.36, 2021, Kolkata.

K. Mavali Rajan

Research Articles / Paper in Journal:

- “A Historiographical Review of Buddhism in Tamil Nadu”, *Journal of Modern Thamizh Research (A Quarterly International Multilateral Thamizh Journal)*, Vol.8, No.4, pp.259-268. ISSN No. 2321-984X, October-December, 2020.
- “The Emergence of Suppressed Class Uprising in Madras Presidency: An Outlook”, *The Mirror*, (Annual Peer Reviewed Journal), Vol. 7, pp.142-155, ISSN No. 2348-9596, 2020, Department of History, Cinnamara College, Jorhat, Assam,

Sabarni Pramanik Nayak

Book chapters / text book / monograph etc:

- Temple, Trader and, *Pentha* in the Inscriptions of the Srikakulam-Vishakhapatnam Region 1000-1500 CE (Edited by Mekhola Gomes, Digvijay Kumar Singh, Meera Visvanathan), *Social Worlds Of Pre-modern Transactions Perspectives from Indian Epigraphy and History*, pp. 93-127 ISBN 978-93-90430-66-6, 2021, Primus Publication, New Delhi.
- Revisiting the Nayakas from the Epigraphs of Srikakulam-Vishakhapatnam Region (10th-15th century CE.) *Land and Society in Medieval South India Perspectives on Socio-economic and Cultural Traditions*, (Edited by. K.Mavali Rajan, V.Palanichamy), pp. 73-103, ISBN-978-93-5324-316-6, 2021, Kalpaz Publications, New Delhi.

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

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. This will supplement regular exploration and excavation work in Eastern India which is a part of the academic curriculum of the department. This will train our graduate, postgraduate and research students in the field archaeological methods and techniques.

DEPARTMENT OF ANTHROPOLOGY

National and International standard Conference /Seminar Workshop/Exhibition etc.:

Rangya Gachui

- 26.12.2020 - 30.12.2020: Delivered an invited lecture (online) and presented a paper in the national webinar entitled “National Webinar on 100 years of Indian Anthropology: History and Challenges” organised by The Indian Anthropological Society.
Title of Presentation: “In search of new occupation: A study on the Longpi potters of Manipur”.
Invited as Resource Person.

Publications within the year April 2020- March 2021

Rangya Gachui

Research Articles / Paper in Journal:

- ‘The feast of merit: A Historical practice of the Inpui Naga of Manipur, India. *Tribal Studies: A Journal of COATS* Vol. 6. Pp.18-27. ISSN: 2321-3396. 2020.

Jyoti Ratan Ghosh

Research Articles / Paper in Journal:

- “Sugar-sweetened beverages and obesityreview. *South Asian Anthropologists*. Vol.20: pp.169-175. ISSN :- 0257-7348,2020.

Arnab Ghosh

Book chapters / text book / monograph etc:

- “Maternal physiological changes during pregnancy and birth outcome: a review”, ‘*Converging Spectrum of Anthropology with Emphasis on Assam and Adjoining Areas* (edited by Bezbaruah D), ISBN: 9388881451, 9789388881456, EBH Publishers (India), Guwahati, 2020. (Co-author- Mitra,M.)
- “A study on green tea consumption at Kolkata, India”, ‘*Converging Spectrum of Anthropology with Emphasis on Assam and Adjoining Areas* (edited by Bezbaruah D). ISBN: 9388881451, 9789388881456, EBH Publishers (India), Guwahati, 2020. (Co-author- De P)

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

- Revised Syllabus for Post Graduate Course in Anthropology (2020)
- Revised Syllabus for Ph.D. Coursework in Anthropology (2021)

DEPARTMENT OF ECONOMICS AND POLITICS

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

- Tapas Kumar Sutradhar UGC-NET-JRF- 2020
- Pranoy Banerjee UGC-NET-JRF- 2020
- Rahul Pal UGC-NET-JRF- 2020

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

- **Speakers:** Professor Achin Chakraborty, Director, Institute of Development Studies, Kolkata
Title / Theme of the Seminar: “Sen: from Welfare to Capability”.
The lecture series involved lectures covering various aspects of the academic works of Professor Amartya Kumar Sen, Nobel Laureate in Economics and Thomas W. Lamont University Professor, and Professor of Economics and Philosophy at Harvard University.
Duration of Lecture Series: December 2020 to January 2021 (7 Nos lectures)
- **Speakers / Panelists:** Professor Sarbajit Sengupta, Professor Saumya Chakrabarti, Dr. Soumyadip Chattopadhyay and Sri Biswajit Halder.
The moderator: Dr. Biswajit Mandal.
Title of panel discussion: “Pandemic and the Indian Economy -1”
Date: 21.12.2020
- **Speaker:** Professor Pranab Kanti Basu, (Retd. Prof. of Dept. of Economics and Politics, Visva-Bharati)
Title / Theme of the Special Lectures: “Macroeconomics focusing especially on Keynesianism and its differences with other schools of thought” (04 Nos Special Lectures was delivered)
Date: 09.01.2021, 10.01.2021, 16.01.2021, 17.01.2021
- **Speaker:** Dr. Amit Kumar Biswas, Associate Professor, Dept. of Economics and Politics, Visva-Bharati.
Title / Topic of the Faculty Talk: “Environmental Regulation, Market Entry & Corruption in the Presence of Informality” (Paper written jointly with Professor Sarbajit Sengupta, Dept. of Economics and Politics, Visva-Bharati).
Date: 07.01.2021

Chapter-2

- **Speaker:** Subhasis Das (Research Scholar) & Dr. Amit K. Biswas, (Associate Professor, Dept. of Economics and Politics, Visva-Bharati.)
Title / Topic of the Research Scholar Speak: “Curious Case of Bilateral Trade Data Mismatch between India and the USA.”
Date: 14.01.2021
- **Speaker:** Professor Tirthankar Roy (London School of Economics & Political Science)
Date: 27.01.2021:
- **Speaker:** Nirjhar Ghosh, Research Scholar, Visva-Bharati
Title / Topic of the Research Scholar Speak: “Wage Inequality and Unemployment”
Date: 31.03.2021

National and International standard Conference /Seminar /Workshop / Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Saumya Chakrabarti

- 19.06.2020. Delivered an invited lecture on the occasion of Online Faculty Development Programme entitled “Indian Agriculture” organised by Amity University Kolkata.
Invited as Resource Person
- 01.07.2020. Delivered an Invited Lecture (online) in the national webinar entitled “Lockdown and Indian Economy” on organised by Victoria College Kolkata.
Title of the lecture/presentation: “Indian Informal Sector”.
Invited as Resource Person
- 22.07.2020. Delivered an Invited Lecture (online) in the national webinar entitled “Pandemic and the rural nonfarm sector” organised by Sapatgram College, Assam.
Invited as Resource Person
- 04.08.2020. Delivered an Invited Lecture (online) in the webinar entitled “National webinar on Gandhi” organised by Visva-Bharati Santiniketan.
Invited as Resource Person
- 14.09.2020. Delivered an invited lecture in a broadcasting programme entitled “Atmanirbhar Bharat and the informal sector” organised by Doordarshan, Santiniketan.
Invited as Resource Person

Amit Kumar Biswas

- 29.08.2020. Delivered a lecture in a Panel Discussion entitled “Save Visva-Bharati and Save Bengal’s Future”, organised by Bengal Intellectual Group, Ritam Bangla TV.
Invited as Resource Person

Soumyadip Chattopadhyay

- 11.05.2020: Invited and participated in online panel discussion entitled ‘Water Urban Poor and COVID-19 in South Asia: Tackling the Water Challenge’ organised by IFSD, Sydney Australia.
Invited as Panelist
- 27.05.2020: Delivered an invited lecture and presented paper in the talk entitled “Web Policy Talk” jointly organized by Impact and Policy Research Institute, New Delhi and Centre for International Design and Planning, University of Florida.
Title of the presentation: “Telephonic Survey Based Study Findings on Life in the Era of COVID 19: Impact of Lockdown 3.0 on City Makers”.
Invited as Resource Person
- 04.06.2020: Invited and participated in the International Webinar entitled ‘Corona Pandemic, Dislocation and Livelihood Challenges: Multilevel Perspectives on Concerns and Coping Strategies’ organized by Government Arts College Sikar Rajasthan.
Invited as Panelist
- 06.06.2020: Delivered an invited lecture and presented paper in the talk entitled Web “Policy Talk (Cities Edition Delhi) on City Makers” in the organized by Impact and Policy Research Institute, New Delhi.
Title of the presentation: “Telephonic Survey Based Study Findings on Life in the Era of COVID-19: Impact of Lockdown 3.0”
Invited as Resource Person
- 19.06.2020: Invited and participated in the International Webinar entitled ‘Rethinking City Governance Amid COVID-19’ jointly organized by Centre for Habitat Urban and Regional Studies, IMPRI (New Delhi) and Department of Social Work Bharathidasan University Tamil Nadu.
Invited as Panelist
- 08.08.2020: Invited and participated in the Web Policy Talk entitled ‘Non-Ownership Housing in the Glocalised Real Estate Market: Mainstreaming Rental Housing Agenda and Enhancing Opportunities amidst COVID-19 - Renter and Landlord Perspectives’ organized by Center for Habitat, Urban and Regional Studies, Impact and Policy Research Institute (IMPRI), New Delhi.
Invited as Panelist

Chapter-2

- 26.11.2020 – 02.12.2020: Delivered an invited lecture in the short term course entitled “Research Methodology” organized by the UGC-HRDC, University of North Bengal.
Title of the presentation: “Introduction to Regression Analysis by Examples”
Invited as Resource Person
- 18.02.2021: Delivered an invited lecture in the Online Training Program entitled “Augmenting the Revenue Mobilization Potential of Urban Local Bodies” organized by HUDCO’s Human Settlement Management Institute, New Delhi.
Title of the presentation: “Tapping the Tax and Non-tax Revenue Mobilization Potential of ULBs”
Invited as Resource Person

Achiransu Acharyya

- 10.06. 2020. Delivered an invited lecture and presented paper in the webinar organized by Department of Commerce and Department of Economics in collaboration with IQAC, Vijaygarh Jyotish Ray College, Jadavpur, Kolkata.
Title of the presentation: “Economic Loss due to Amphan Cyclone”
Invited as Resource Person
- 07.07.2020. Delivered an invited lecture in a broadcasting programme entitled “Economic Package and its Impact on Small Scale Industries”. Organised by Doordarshan Santiniketan.
Invited as Resource Person
- 08.07.2020. Delivered an Invited online lecture entitled “COVID-19 and the global recession: Is Keynesian Theory the solution?” organised by School of Business Administration, East Delta University, Chittagong, Bangladesh.
- 22.09.2020 – 26.09.2020: Delivered an Invited lecture (online) in a 5-Day online Faculty Development Program (FDP) under AICTE Training and Learning (ATAL) Academy entitled “Business Data Analysis using R Software” organized by Department of Commerce, Tripura University.
Invited as Resource Person

Somenath Ghosh (Research Scholar)

- 25.02.2021. Delivered an Invited lecture and presented an article the 6th International Conference (online) entitled “South Asian Economic Development” organised by Faculty of Economics, South Asian University, New Delhi, (Co-author-Saumya Chakrabarti).
Title of the presentation: ‘Urbanization and Exclusion: A Study on Indian Slums’

Harsha Tiwary (Research Scholar)

- 03.08.2020. Delivered an invited lecture in the 3rd National Webinar organized by Visva-Bharati Library Network, Visva-Bharati.
Title of the presentation: “Gandhian Idea of Rural Reconstruction and the MGNREGP of India”

Ongoing Research Projects in the Department

- **Name of the Teacher:** Amit K. Biswas
- **Name of the Project:** Trade data falsification and possible Capital flight
- **Sponsoring Agencies:** Alexander von Humboldt Foundation, Germany.
- **Amount Sanctioned:** Euro 55000 (April 2018 to June 2022).

- **Name of the Teacher:** Soumyadip Chattopadhyay
- **Name of the Project:** Coping Strategies of Water User Association during COVID 19 Pandemic and Other Natural Calamities (Involved as Co-investigator)
- **Sponsoring Agencies:** WBADMI, Government of West Bengal
- **Amount Sanctioned:** Rs. 8,60,034/-

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Department

- The department has successfully completed UGC-SAP-DRS-II in March, 2020. All reports along with proposal for upgradation have been sent to the UGC and on its demand the balance amount have been deposited with the UGC clearing all formalities on 24/03/2021. We are expecting a decision from the UGC about our proposal.

Teachers

- Dr. Achiransu Acharyya was awarded the Dr. N.A. Mujumdar Prize for the best paper at the 80th Annual Conference of the Indian Journal of Agricultural Economics under the auspices of Centre for Agricultural and Rural Development Studies (CARDS), Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu) during February 10 to 12, 2021.

Scholars

- Harsha Tiwary got Open Access Fee Waiver for the publication of the research commentary titled "How does Covid-19 aggravate the multidimensional vulnerability of slums in India?"

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in the Journal - Social Sciences and Humanities Open (SSHO). Volume 2, Issue 1, Elsevier. Received on October 21, 2020.

- Somenath Ghosh got Open Access Fee Waiver for the publication of the research commentary titled "How does Covid-19 aggravate the multidimensional vulnerability of slums in India?" in the Journal - Social Sciences and Humanities Open (SSHO). Volume 2, Issue 1, Elsevier. Received on October 21, 2020.

Publications:

Number of papers published in peer reviewed journals: 31

Publication by Teachers

Achiransu Acharyya

Book chapters / text book / monograph etc:

- “Integrating Climate Change Adaptation and Vulnerability Reduction for Sustainable Development in South Asia and Africa” “*Economic Effects of Natural Disasters: Theoretical Foundations, Methods, and Tools*” edited by Taha Chaiechi, pp. 547-557, Academic Press, Elsevier, London, United Kingdom. DOI: <https://doi.org/10.1016/B978-0-12-817465-4.00032-7>,2020.
- “Technology Infusion in Agriculture in India and the Eradication of Poverty” “*Technology Infrastructure as a Catalytic Agent for Eradicating Rural Poverty*” edited by Kamal R. Gupta and V.B Angadi, pp.73-102. ISBN: 978-81-946614-0-5.,N.p: Gaurang Publishing Globalize Private Limited, Mumbai, 2020.

Research Articles / Paper in Journal:

- “Economics of Ground Water Development in Arsenic and Fluoride affected areas of West Bengal, India.” *Indian Groundwater*, vol.XVI (1), pp. 46-60. ISSN: 2347-8063, Journal of Centre for Groundwater Studies, 2020.
- “Groundwater market and Agricultural Tenancy: A new form of collective inter-linkage in West Bengal" *Indian Journal of Agricultural Economics*”, vol. 75 (4), pp. 375-384, published by Indian Society of Agricultural Economics, Mumbai,2020.
- “Economic Instruments for Groundwater Management.” *Indian Groundwater*, vol. XIV (1), pp. 7-14. ISSN: 2347-8063, Journal of Centre for Groundwater Studies., 2020

Saumya Chakrabarti

Book chapters / text book / monograph etc:

- “Optimum government intervention in the context of development management” (In press). *A volume on Optimum size of government*. Edited by Ramesh Das. Routledge India. (Co-author- Pratip Kumar Datta), 2020
- “COVID-19 and the informal sector of India” (accepted). *A volume on Covid-19*. Edited by Soumyen Sikder et al. Routledge, UK. (Co-author- Anirban Kundu, Manojit Bhattacharya, Kasturi Sadhu, Pratip Kumar Datta), 2020.

Research Articles / Paper in Journal:

- “Inclusive urbanization? A study of Indian slums” (accepted). *Journal of Urban and Regional Analysis* (Univ. of Bucharest, Romania). .(Co-author- Somenath Ghosh, Pallabi Seth)
- “Urbanization and exclusion” (accepted). *International Critical Thought* (CASS and Routledge UK). .(Co-author- Somenath Ghosh)
- “Neo-dualism” (conditional acceptance). *Review of Radical Political Economics* (URPE and Sage UK). .(Co-author- Kasturi Sadhu)
- “Inclusive urbanization? A study of Indian slums.” *Journal of Urban and Regional Analysis (JURA)*. University of Bucharest Press. Romania. <http://www.jurareview.ro/accepted-papers>. Accepted on October 13, 2020. (1st author- Somenath Ghosh, Research Scholar)
- “Urbanization and Exclusion: A Study on Indian Slums. *International Critical Thought (ICT)*. *Chinese Academy of Social Sciences*. Taylor & Francis. Accepted on February 2, 2021. (1st author- Somenath Ghosh, Research Scholar)

Other Publications

- “India and the Covid-19 crisis: radical measures needed” *Global Dev*. Global Development Network and Bill & Melinda Gates Foundation. 25 May 2020. <https://www.globaldev.blog/blog/india-and-covid-19-crisis-radical-measures-needed> (Co-author- Anirban Kundu, Kasturi Sadhu, and Pratip Kumar Datta).

Biswajit Mandal

Book chapters / text book / monograph etc:

- “Virtual Trade and Comparative Advantage- The Fourth Dimension” *Springer International*. (Co-author- Sugata Marjit, and Noritsugu Nakanishi), 2020.

Chapter-2

Research Articles / Paper in Journal:

- “Health, health production and input financing: A theoretical note” “*Theoretical and Applied Economics*, Vol. XXVIII, No. 1(626), Springer, 219-230. (Co-author- S. Chaudhuri and A. Mandal), 2021.
- “A Simple Model of Time Zone Differences, Virtual Trade and Informality.” *India Growth and Development Review*, 14(1), 81-96. (Co-author- A. S. Prasad), 2021.
- “A Note on Unemployment of Unskilled Labor due to COVID-19 led Restriction on Migration and Trade.” *Review of Economics*, vol.71(3), pp.223-236, 2020. (Co-author- S. Chaudhuri and A. S. Prasad).
- “Effects of Trade Reform on Health and Tourism Sectors of the Reforming Country”, in *Review of Market Integration* (Sage Publications) (<https://doi.org/10.1177/0974929220969680>), 2020 .(Co-author- Soumyadip Chattopadhyay and Alaka S Prasad)
- “A note on valuation of trust, social capital and development.” *Trade and Development Review*, vol.13(1), 2020.(Co-author- S. Chaudhuri)
- “Predictive behavior of maternal health inputs and child mortality in West Bengal – An analysis based on NFHS-3.” *Heliyon*, vol.6(5), e03941,2020. (Co-author- S. Chaudhuri)
- “Communication Cost, Skilled-Unskilled Wage, and Informality.” *Journal of Quantitative Economics*, vol.18, pp.927-939,2020 (Co-author- S. Ghosh).
- “Sector Specific Inflow of capital, Non-Traded sector and an Increase in Real Exchange Rate.” *Foreign Trade Review*, vol.55 (2), pp.189-198,2020. (Co-author -P. Bhattacharjee)

Sarbajit Sengupta

Research Articles / Paper in Journal:

- “Coronavirus, Population and the Economy: A Long-Term Perspective”, *Indian Economic Journal* , Special Issue Covid-19 and the Economy, Vol. 68 Issue 3, pp. 309–322, September 2020.

Apurba Kumar Chattopadhyay

Research Articles / Paper in Journal:

- “Financial Performance of Major and Medium Irrigation Projects in India - Some Issues”, *Ind. Jn. of Agri. Econ.* Vol.75, No.2, pp. 147-165., April-June 2020. (Co-author- Raj Kumar Kundu).
- “Debates on Agricultural Loan Waiver in India: Myths and Realities”, *Contemporary South Asia* (accepted on 14th January, 2021). (Co-author- Abhijit Pathak).

Pranab Mukhopadhyay

- "Recreational Value of Coastal and Marine Ecosystems in India: A Macro Approach." *Tourism in Marine Environments*, Volume 15, Number 1, pp. 11-27(17), 2020; DOI: <https://doi.org/10.3727/154427319X15746710922758>. (Co-author- Santadas Ghosh, Da Costa, Vanessa; Pednekar, Sulochana)

Amit K. Biswas

Research Articles / Paper in Journal:

- "Trade Mis-invoicing between India and the USA: An Empirical Exercises", *Foreign Trade Review* (Sage Publications India), ISSN No. 0015-7325 (Print), Vol – 56/1.,2021 .(Co-author- Subhasish Das)
- "Covid 19 outbreak and the saga of migrant workers", *PBC Journal of Economics*, Vol. 1/1, 2021 .(Co-author- D. Dey)

Soumyadip Chattopadhyay

Research Articles / Paper in Journal:

- "Effects of Trade Reform on Health and Tourism Sectors of the Reforming Country", in *Review of Market Integration* (Sage Publications),2020. (<https://doi.org/10.1177/0974929220969680>),2020. (Co-author- Biswajit Mandal and Alaka S Prasad)
- "COVID 19 Pandemic and its Consequences for the Elderly and the Disabled" in *Journal of Development Policy Review*(IMPRI and IndraStra Global), Vol 1 Issues 1-2, pp.82-100,2020 .(Co-author- I C Awasthi and A Kumar)
- "Analysing Disparities in Access to Urban Basic Services under Decentralized Governance: Evidence from West Bengal" in *Economic and Political Weekly*, Vol 55 Issue 26-27, 27 June, pp. 71 – 78, 2020 .(Co-author- Maumita Das)

Other Publications

- "The Rhetoric vs Reality of Atmanirbhar Cities" in *The Pioneer*, March 18 2021, (co-authored with A Kumar) (Weblink: <https://www.dailypioneer.com/2021/columnists/the-rhetoric-vs-reality-of----atmanirbhar----cities.html>)
- "Pandemic and Transition towards a Green and Just Economy" in *Mainstream* (Vol LIX No 5, January 16 2021), (Weblink: <http://www.mainstreamweekly.net/article10342.html>)
- *The Pulse/Economy/Environment/South Asia* "India's Cities Need Green Infrastructure Financing" in *The Diplomat*, 13th October 2020 (Weblink: <https://thediplomat.com/2020/10/indias-cities-need-green-infrastructure-financing/>)

Chapter-2

- “Surviving the Pandemic: Time to Boost MSME Sector for the Sake of Inclusive Growth” in Counterview, July 25, 2020 (co-authored with B S Mehta, I C Awasthi, S Mehta, B Singh, N Tagade, R Ranjan and A Kumar) (Weblink: <https://counterview.org/2020/07/25/surviving-the-pandemic-time-to-boost-msme-sector-for-the-sake-of-inclusive-growth/>)
- “The Third Anniversary of RERA: Streamlining to Energize the Sluggish Real Estate Sector” in Observer Research Foundation (India Matters), July 11, 2020 (co-authored with A Kumar) (Weblink: <https://www.orfonline.org/expert-speak/the-third-anniversary-of-rera/>)
- “COVID 19: Window for India to Revive Slum and Urban Development Policies” in Delhi Post, June 27 2020 (co-authored with A Kumar) (Weblink: <https://delhipostnews.com/covid-19-window-for-india-to-review-slum-and-urban-development-policies/>)
- “Smart Cities: Why Pandemic Response Can’t Rely Heavily on High Tech Platforms, Apps” in Counterview, June 27 2020, (co-authored with A Kumar) (Weblink:<https://www.counterview.net/2020/06/smart-cities-why-pandemic-response-cant.html#more>)
- “Urban India’s Achilles Heel” in The Pioneer, 26 June 2020 (co-authored with S Mehta) (Weblink: <https://www.dailypioneer.com/2020/columnists/urban-india---s-achilles-heel.html>)
- “COVID-19: How prepared is Urban India”, in URBANET, June 24 2020) (co-authored with S Mehta and A Kumar) (Weblink: <https://www.urbanet.info/covid19-how-prepared-is-urban-india/>)
- “Leveraging the Local Governance Networks In India to Strengthen War Against COVID 19 Outbreak” in Medium (published on June 5 2020) , co-authored with A Alakshendra and A Kumar (Weblink:<https://medium.com/@lauravonputtkamer/leveraging-the-local-governance-networks-in-india-to-strengthen-war-against-covid-19-outbreak-58f12b6a4072>)
- “Empowering City Governments Is Key To India’s Fight Against COVID 19” in Mainstream Weekly (Vol LVIII No 23, May 23 2020), co-authored with A Kumar and S Mehta (Weblink: <https://mainstreamweekly.net/article9414.html>)
- Interview – Cloud Wandering around India’s Cities during the Pandemic of COVID 19: Interview with Indian Scholars” in Urban Planning International (Weblink: <https://wemp.app/posts/6adec1cb-5a6f-4224-866a-c3608d54d215>)
- The Pulse/Society/South Asia – “Unraveling Urban India’s Water Challenges Amid COVID 19” in The Diplomat, 16th April, 2020

(Weblink: <https://thediplomat.com/2020/04/unraveling-urban-indias-water-challenges-amid-covid-19/>)

P. B. Dutta

Research Articles / Paper in Journal:

- “Wage Inequality and Unemployment in the presence of Imported Intermediate Goods: A Theoretical Analysis”, *Foreign Trade Review* (Sage Publications India), ISSN No. 0015-7325 (Print), Forthcoming, 2020.(Co-author- Ghosh, N)

Santadas Ghosh

Research Articles / Paper in Journal:

- "Recreational Value of Coastal and Marine Ecosystems in India: A Macro Approach.” *Tourism in Marine Environments*, Volume 15, Number 1, pp. 11-27(17),2020; DOI: <https://doi.org/10.3727/154427319X15746710922758>. (Co-author- Mukhopadhyay, Pranab, Da Costa, Vanessa; Pednekar, Sulochana)

Publication by scholars

Somenath Ghosh (Research Scholar)

Research Articles / Paper in Journal:

- “How does Covid-19 aggravate the multidimensional vulnerability of slums in India?” *Social Sciences and Humanities Open* (SSHO). Vol. 2, Issue 1, Elsevier. <https://doi.org/10.1016/j.ssaho.2020.100068>, October 21, 2020.(Co-author- Pallabi Seth and Harsha Tiwary)

Suvajit Banerjee (Research Scholar)

Research Articles / Paper in Journal:

- “Carbon Emissions Embodied in India-United Kingdom Trade: A Case Study of North-South Debate.” *Foreign Trade Review*, Volume 55, Issue 2, pp. 199-215.
- “Addressing the carbon emissions embodied in India’s bilateral trade with two eminent Annex-II parties: with input-output and spatial decomposition analysis.” *Environment, Development and Sustainability*, Published Online;DOI:<https://doi.org/10.1007/s10668-020-00824-9>.
- “Consumption of liquefied petroleum gas and the EKC hypothesis in South Asia: evidence from cross-sectionally dependent heterogeneous panel data with structural break.” *Energy, Ecology and Environment*, Published Online;DOI: <https://doi.org/10.1007/s40974-020-00185-z>.

Chapter-2

- “Do emissions implied in net export validate the pollution haven conjecture? Analysis of G7 and BRICS countries.” *International Journal of Sustainable Economy*, Volume 12, Issue 3, pp. 297-319, 2020.
- “Calibrating the impacts of regional trade integration and renewable energy transition on the sustainability of international inbound tourism demand in South Asia.” *Sustainability*, Volume 12(20), 8341, 2020. DOI: <https://doi.org/10.3390/su1220834>.
- “Carbon adjustment in a consumption-based emission inventory accounting: a CGE analysis and implications for a developing country.” *Environmental Science and Pollution Research*, 2021, Online DOI: <https://doi.org/10.1007/s11356-020-11771-3>.
- “Conjugation of Border and Domestic Carbon Adjustment and Implications under Production and Consumption-based Accounting of India’s National Emission Inventory: A Recursive Dynamic CGE Analysis.” *Structural Change and Economic Dynamics* (accepted). 2021. DOI: <https://doi.org/10.1016/j.strueco.2021.01.007>.
- “Investigating India’s pollution-intensive ‘dirty’ trade specialisation: analysis with ‘revealed symmetric comparative advantage’ index.” *Environmental Science and Pollution Research*, 2021, Published Online. DOI: [10.1007/s11356-021-12790-4](https://doi.org/10.1007/s11356-021-12790-4).

DEPARTMENT OF GEOGRAPHY

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:

UGC (JRF) – NET - 07 , WBCSC-SET-03

| | | |
|------|-----------------|---------------------|
| i. | Samu Lohar | UGC-NET (June 2020) |
| ii. | Gopal Chowdhury | UGC-NET (June 2020) |
| iii. | Aditi Goswami | UGC-NET (June 2020) |
| iv. | Raghunath Mandi | UGC-NET (June 2020) |
| v. | Ajay Murmu | UGC-NET (June 2020) |
| vi. | Debasis Das | UGC-NET (June 2020) |
| vii. | Sudeshna Dutta | UGC-NET (June 2020) |

Students qualified in WBCSC-SET -2020

- i. Tarun Goswami
- ii. Aditi Goswami
- iii. Moumita Sarkar

National and International standard Conference/Seminar/Workshop/Exhibition etc:

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

V.C. Jha

- **10.02.2021-12.02.2021:** Delivered the Special address in the 40th INCA International Congress, 2020 entitled ‘Digital Mapping Innovations in Make India Initiatives’ organized by the National Atlas and Thematic Mapping Organisation (NATMO), Department of Science and Technology, Ministry of Science and Technology, Government of India, Kolkata.

Title of the Special address: ‘Cartography and its Development’

Invited as Guest of Honour.

- **02.10.2020:** Delivered an invited lecture and presented a paper on the occasion of the Commemorate the 150th Birth Anniversary of Mahatama Gandhiji Streaming Through Webinar organized by National Atlas and Thematic Mapping Organisation (NATMO), Department of Science and Technology, Ministry of Science and Technology, Government of India.

Title of the presentation: ‘The Gandhian Way and Contemporary India’

Invited as Speaker

Chapter-2

- **11.08.2020:** Delivered an invited lecture and presented a paper in the National Webinar entitled “National Education Policy, 2020 : Importance and Implementation organized by Shiksha Sanskriti Utthan Nyas, Paschimbanga Prant
Title of the presentation: “National Education Policy, 2020: Importance and Implementation”
Invited as Speaker
- **18.07.2020:** Delivered an invited keynote lecture and presented a paper in the One Day International Webinar entitled “Revisiting Sustainable Strategies for A Self Reliant Rural India Post COVID 19 Pandemic” organized by Department of Geography In association with Internal Quality Assurance Cell (IQAC)Sripat Singh College, Jiaganj, Murshidabad West Bengal, India.
Title of the presentation: “Revisiting Sustainable Strategies for A Self Reliant Rural India Post Covid 19 Pandemic”
Invited as Key note Speaker.
- **18.06.2020:** Delivered an invited lecture and presented a paper in the One Day International Webinar entitled “Global Health Crisis and Social Economic Impact of COVID-19- A Geographical Perspective” Organised By Rajiv Gandhi University (A Central University), Department of Geography, Itanagar, Arunachal Pradesh.
Title of the presentation: Pandemic and Social Response (With Special Reference To Covid-19)
Invited as Speaker.
- **12.06.2020-14.06.2020:** Delivered an invited lecture and presented a paper in the National Webinar entitled “Modern Agricultural Technology : A Step Towards Rural Self Reliance” Organised by Institute of Agriculture, Visva-Bharati.
Title of the presentation: “Geospatial System for Sustainability”
Invited as Speaker
- **01.06.2020-02.07.6.2020:** Delivered an invited lecture and presented a paper in the International Conference entitled “6thAnnual International Conference on Geography” Organised by Athens Institute for Education and Research.
Title of the presentation: Geography of Buddhism
Invited as Speaker
- **29.05.2020:** Delivered an invited lecture and presented a paper in the National Webinar entitled “Post Covid-19: Science and Technology” Organised by SRM University, Andhra Pradesh.
Title of the presentation: “Post Covid-19: Science and Technology”
Invited as Speaker

- **15.05.2020:** Delivered an invited lecture and presented a paper in the National Webinar entitled “Post COVID-19- Resurgence of Indian Industry and R & D, Webinar” Organised by SRM University, Andhra Pradesh.
Title of the presentation: “Post COVID-19 Resurgence of Indian Industry and R & D, Webinar”
Invited as Speaker

Malay Mukhopadhyay

- **27.08.2020:** Delivered an invited lecture and presented a paper in the One day International Webinar entitled “Emerging Disaster Issues: Causes and Consequences” Organised by Department of Geography, Katwa College, Purba Bardhaman, WB.
Title of the presentation: “Emerging Disaster Issues- Management through Neo-Deterministic Approach”
Invited as Speaker
- **20.09.2020:** Delivered an invited lecture and presented an paper in the One Day International Webinar entitled “Environment, Development and Sustainability” Organised by Department of Geography, Krishna Chandra College, Hetampur, Birbhum, West Bengal
Title of the presentation: “Impact of Developmental Policies on Landscape Sustainability”.
Invited as Speaker
- **24.09.2020-25.09.2020:** Delivered an invited lecture and presented a paper in the Two days International Webinar entitled” Recent Advances in Environmental Research “Organised by Department of Geography, University of Gour Banga, Malda, West Bengal
Title of the presentation: “Landscape Sustainability- A New Dimension in Environmental Research”
Invited as Speaker

Premangshu Chakrabarty

- **06.08.2020:** Delivered an invited lecture and presented a paper in the One day National Webinar entitled “Pandemic COVID: Impact on population dynamics and tourism industry of India” Organised by Dept. of Geography in collaboration with IQAC, Dwijendralal College, Krishnagar, Nadia, West Bengal.
Title of the presentation: “COVID 19: Challenges and opportunities of tourism destination management in Indian perspective”.
Invited as Speaker

Chapter-2

- **25.08.2020-26.08.2021:** Delivered an invited lecture and presented a paper in the Two days' National Webinar entitled "Impact of COVID-19 in the existing socio-economic environment" Organised by IQAC of Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal. Title of the presentation: "COVID-19 in Indian society: An analysis from the perspective of Welfare Geography."
Invited as Speaker

Bhairu Lal Yadav

- **30.05.2020:** Delivered an invited lecture and presented a paper in the National Webinar entitled "Ageing of population in India" Organised by Department of Geography, Ranchi Women's College.
Title of the presentation: "Dilemma of Population Ageing in India"
Invited as Resource person
- **04.08.2020:** Delivered an invited lecture and presented a paper in the International Interactive Webinar Series entitled "Environmental Geo-Hazards, sharing experiences and Technological Solutions to create desirable sustainable future" Organised by St. John's College, Agra
Title of the presentation: "Population Greying in India".
Invited as Speaker

Sudipta Sarkar

- **18.08.2020- 20.08.2020:** Delivered an invited lecture and presented a paper in the international workshop entitled "Paid Domestic Work as "Decent Work": Inter-disciplinary Conversations in the Indian Context" Organised by The Dickson Poon School of Law, King's College London,UK
Title of the presentation: "Decent Work Deficits among Part-Time Domestic Workers in Delhi"
Invited as Speaker
- **18.08.2020- 20.08.2020:** Delivered an invited lecture and presented a paper in the international workshop entitled "Paid Domestic Work as "Decent Work": Inter-disciplinary Conversations in the Indian Context" Organised by The Dickson Poon School of Law, King's College London,UK.
Title of the presentation: "Informal Labour and Precarity At Paid Domestic Work"
Invited as Speaker

- **15.08.2020:** Delivered an invited lecture and presented a paper in the national webinar meeting series. Entitled” Surviving the Pandemic: Ground reports from India’s villages” Organised by Development Research Institute, Bhubaneswar.
Title of the presentation: “Surviving the Pandemic: Ground reports from India’s villages: Bhanail, Uttar Dinajpur, West Bengal”
Invited as Speaker

National and International standard Conference/Seminar/Workshop/Exhibition etc by Research Scholars:

Soma Sarkhel (Research Scholar)

- 27.11.2020-03.12.2020: Attended and Completion of 7days E-National Workshop entitled “use of Statistical Software ‘R’ in Research and Development” Organised by A.K.Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan.

Sanat Kumar Purkait (Research Scholar)

- **24.09.2020-25.09.2020:** Participated and presented a paper in the international webinar entitled “Recent Advances in Environmental Research” Organised by University of Gour Banga, Malda, West Bengal.
Title of the presentation: “Hazards and Socio-Economic Development of the Canning Sub-division, Sundarbans, West Bengal, India”.
- **26.11.2020-28.11.2020:** Participated and presented a paper in the XVth International Geography Online Conference entitled “Climate Change, Disasters and Sustainable Livelihood” Organised by The Deccan Geographical Society, Pune, Maharashtra
Title of the presentation: “Significance of Sustainable Approaches in Agrarian Economy of Disaster-prone Canning Sub-division, Sundarbans, West Bengal, India”.

Kutubuddin Dhali (Research Scholar)

- **21.01.2021-23.01.21:** Participated and presented a paper in the International Association of Geomorphology (IAG) Regional Conference entitled “Geomorphology for Human Adaptation to Changing Environment” Organised by Dept. of Geography, West Bengal State University, Barasat, West Bengal
Title of the presentation: “Formation, migration and morphodynamic alteration of 50 channel bars in Darjeeling Himalayan piedmont zone, India”

Chapter-2

Biman Ghosh (Research Scholar)

- **21.01.2021-23.01.21:** Participated and presented a paper in the International Association of Geomorphology (IAG) Regional Conference entitled “Geomorphology for Human Adaptation to Changing Environment” Organised by Dept. of Geography, West Bengal State University, Barasat, West Bengal
Title of the presentation: “Prioritization of Sub-watersheds of Dwarkeswar basin using multi-criteria decision-making techniques for implementing management plans”.

Academic distinctions gained by Teachers/Scholars or the Department as a whole-

Prof. V.C. Jha

- Visitor’s (President of India)Nominee at the Academic Council of NEHU, Shilong
- Chairman, INCA Journal Editorial Board
- Chairperson, NAAC Peer Team Visit, Bikaner Rajasthan

Publications within the year April 2020-March 2021.

V.C. Jha_

Research Articles / Paper in Journal:

- “Environmental Risk Assessment: A Geomorphic Investigation over the Bolpur-Santiniketan-Illambazar Lateritic Patch of Birbhum District, West Bengal, India”, *National Geographical Journal of India*, Vol. 66, No.2, pp.94-110, ISSN No. 0027-9374, June 2020.
- “Structural Control in the Evolution of Granitic Landforms: A Study of Domes and Tors in Dumka, Jharkhand” *National Geographical Journal of India*, Vol-40, pp.49-59, ISSN No. 0970-972X,2020.

Book chapters / text book / monograph etc:

- “Some Aspects of the Geomorphology of Granitic Inselbergs in Dumka District, Jharkhand, India”, *Space and Modern Technology in Agriculture and Environment*; (Edited by-KC Swain, AK Chatterjee, PK Patra & P Kandasamy), pp.14-30, ISBN No. 978-93-84335-35-9, Mukund Publication, Delhi, 2020,

Uma Sankar Malik

Research Articles / Paper in Journal:

- “Exploring passenger convenience using actual bus traffic data in Murshidabad District, West Bengal, India” *Spatial Information Research*, pp. 1-14, ISSN No. 2366-3286
Spat.Inf.Res.DOI 10.1007/s41324-020-003362-6, Springer, Korean Spatial Information Society,2020. (Co-author- Ankabehari Saha)

Malay Mukhopadhyay

Research Articles / Paper in Journal:

- “Straying of Man-eaters from Sundarban Tiger Reserve (STR) – A case study of Gosaba and Hingalganj Block, Sundarbans” *Khoai*, Vol.39, No.39, pp.38-50, ISSN No. 2319-8389, August, 2020 (Joint Author).
- “Model-based strategic planning for the development of community based tourism: a case study of Ayodhya Hills in West Bengal, India” *GeoJournal Springer Nature B.V*, pp.1-17, ISSN No. 0343-2521, <https://doi.org/10.1007/s10708-020-10314-0>, October, 2020 (Joint Author).

Sutapa Mukhopadhyay

Research Articles / Paper in Journal:

- “Formation, migration and morphodynamic alteration of 50 channel bars in Darjeeling Himalayan piedmont zone, India” *Air, Soil and Water Research* Vol.13, pp.1-17, ISSN No.11786211, Sage Publication, August 2020 (Joint Author)
- “Erosion susceptibility mapping of subwatersheds for management prioritization using MCDM-based ensemble approaches” *Arabian Journal of Geosciences*, Vol.14, No.1, pp.1-18, Springer Publication, November 2020. (Joint Author).
- “Evaluation of springs and waterfalls as Geomorphosites and proposition of strategies to develop Geotourism at Ajodhya hill, Puruliya district, Eastern India” *GeoJournal*, pp.1-21, ISSN No 0343-2521, Springer Publication (doi.org/10.1007/s10708-020-10298-x) October, 2020 (Joint Author).
- “Influence of basin-wide geomorphology on arsenic distribution in Nadia district” *Environmental Research*, pp.1-17, ISSN No 0013-9351, Elsevier Publication ([Doi.org/10.1016/j.envres.2020.110314](https://doi.org/10.1016/j.envres.2020.110314)), October, 2020 (Joint Author).

Premangshu Chakrabarty

Research Articles / Paper in Journal:

- “Buddhist monastic trek circuit amidst of a geotourism landscape: A study in the vicinity of Khangchendzonga National Park in India,” *GeoJournal of Tourism and Geosites*, Vol. 31, No.3, pp.1135-1145, ISSN No. 2065-1198, E-ISSN No. 2065-0817. (Co-author- Sanjay Sadhukhan-2nd Author)
- "Destination image for pilgrimage and tourism: A study in Mount Kailash region of Tibet". *Folia Geographica*. Vol. 62, No. 2, pp.71–86. ISSN No.1336-6157, E-ISSN No. 2454-1001. (Co-author- Sanjay Sadhukhan-2nd Author)

Chapter-2

- "Badlands of Gangani in West Bengal, India: An assessment on account of geotourism development", *International Journal of Geoheritage and Parks*, ISSN No: 2577-4441. (1st Author-Rahul Mandal)

Book chapters / text book / monograph etc:

- "Crisis communication systems and earthquake preparedness of tourism sectors in LDCs: A study on Nepal", *Tourism and Earthquakes*, (Edited by-C.Michael Hall and Girish Prayag), pp. 51-64, ISBN No. 9781845417857, DOI: <https://doi.org/10.21832/9781845417871-006>, Channel View Publications,2020 (1st Author- Dr.Subhajit Das)

Krishnendu Gupta

Research Articles / Paper in Journal:

- "Spatial development planning in peri-urban space of Burdwan City, West Bengal, India: statutory infrastructure as mediating factors", *SN Applied Sciences*, pp.1-19, Springer Nature Switzerland AG, October 2020, <https://doi.org/10.1007/s42452-020-03587-0>, 2020 (Co-author-Arif, M)
- "Mango culture as depicted in Gambhira folklore", *GeoJournal*, Springer Nature B.V. 2020 publication (<https://doi.org/10.1007/s10708-020-10323-z>, (Co-author-Md N Saadat, S Jahangir)

Book chapters / text book / monograph etc:

- "Remote sensing and GIS application for ecologically sustainable water resource management in Sonamukhi block, Bankura District, West Bengal, *Hydrology: Application of Remote Sensing and GIS*, (Authored by Dr. Nirajan Bhattacharjee), pp.62-74,. ISBN No. 978-81-944668-7-1, Synergy Books India Publication New Delhi. (Co-author- Sujit Mandal)

Sudipta Sarkar

Research Articles / Paper in Journal:

- Circular Labour Migration from Rural India: A Study of Out-Migration of Male Labour from West Bengal", *Journal of Asian and African Studies*, ISSN No. 0021-9096,E-ISSN No. 1745-2538 Sage publications,(<https://doi.org/10.1177/0021909620967044>),October 23, 2020.
- "Out-migration from Rural West Bengal: A District Level Analysis", *Population Geography*, vol.42, No.1,ISSN No.0256-5331,pp-59-70, June 2020.

- "Indian Construction Industry: Employment Conditions of Migrant Male Workers of Uttar Dinajpur, West Bengal", *Indian Journal of Labour Economics* (Springer)(Accepted for publication dated 23 February, 2021) ISSN: 0971-7927 (print version), E-ISSN No, 0019-5308

Book chapters / text book / monograph etc:

- "Ground Report from India's Villages: Bhanail Uttar Dinajpur, West Bengal", *Surviving the Pandemic: Ground Reports from India's Villages*, (Authored by: Sarkar. S, Mishra D, Kumar A, Behera B, et al.), pp.113-125, DOI: 10.13140/RG.2.2.19923.40486, Development Research Institute, Bhubaneswar, Aug 2020.

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

Bhairu Lal Yadav

| E-content developed | | | | |
|--|--|----------------------|-----------------------------|--|
| Type | Category | Name of the module | Topic | Organization for which it was developed |
| Live lecture televised on DTH-MHRD/ NIOS Channel | Contribution to development of e-content module in complete course/paper | Population geography | Population problem in India | NIOS, A-24/25, Institutional Area 62, Noida, GB Nagar, UP 201309 |

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 year post-graduate course was introduced in 1978. There are 245 students in both the UG and PG courses. Besides, the department also conducts researches leading to Ph.D. degree since late 80's. At present 45 research scholars are pursuing their research programme for Ph.D. degree. 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 since 2017.

Keeping in mind the present developmental trends in Geography, the department in

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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.

Any other relevant information:

Particulars in details of the Departmental Library:

- i. Total No. of books: 1446
- ii. Total Number Books and periodicals issued – 187

DEPARTMENT OF HISTORY

Name of Students qualified in UGC/CSIR/NET/SET and GATE Examinations:

- Md. Salim Shahzada, UGC-NET, 2020

National and International standard Conference/Seminar/Workshop/Exhibition etc.:

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Sandip Basu Sarbadhikary

- 28.09.2020: Invited and participated in the webinar entitled 'Nationalist Challenges in Colonial Indonesia and Burma,' organised by Department of History, RKSM Vivekananda Vidya Bhavana.
Invited as Resource Person.
- 30.10.2020 – 31.10.2020: Delivered an invited lecture and presented a paper on the occasion of "10th Biennial International Conference of Indian Association for Asian and Pacific Studies"
Title of the presentation: "Colonial and Post-Colonial Experiences in Burma: A Survey".
Invited as Resource Person.

Bipasha Raha

- 30.07.2020: Delivered an invited lecture and presented a paper in the National Webinar entitled 'Land, Water and the Rural World: Experimental and Emotive Responses in Colonial and Post-Colonial India,' organised by Post-Graduate Department of History, Malda College, Malda.
Title of the presentation: "Natural and Rural: The Two Worlds of Tagore".
Invited as Speaker .
- 11.09.2020: Delivered an invited talk in the national webinar entitled 'Understanding Gandhi' organised by Hiralal Mazumdar Memorial College for Women, Kolkata
Title of the talk: "Gandhi on Rural Welfare".
Invited as Speaker.
- 11.01.2021- 13.01.2021: Delivered an invited talk in the national webinar entitled 'Footprints of Women', organised by Prabhat Kumar College, Contai, East Medinipur
Title of the talk: 'Chameli Bose née Dutt: An Educationist'.
Invited as Eminent Speaker.
- Officiated as the Acharya at the Upasana held on the occasion of Maharshi Smaraney at Visva-Bharati, Santiniketan, and delivered the Acharya's Speech, on 20 January, 2021.

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Amarendra Kumar

- 19.03.2021: Invited and evaluated (online) in 37th refresher course in History (8–20 March, 2021) organised by Human Resource Development Centre, Jawaharlal Nehru University, New Delhi.
Invited as Resource person (evaluator)
- 23.03.2021: Delivered an invited lecture (online) and presented a paper in the National Seminar (Webinar) entitled ‘Implication of Gandhian and Ambedkarite Ideology in Social reform: A Discourse,’ organised by Berhampur University, Odisha.
Title of the presentation: ‘Gandhiji’s Ideology and Tagore’s Santiniketan: A Very Brief Note’
Invited as Eminent Speaker

Subhayu Chattopadhyay

- 18.07.2020: Delivered an invited lecture (online) and presented a paper in the National Webinar entitled ‘Revisiting History of Science, Technology and Medicine in Colonial India,’ organised by Department of History, Chandidas Mahavidyalaya, Birbhum.
Title of the presentation: ‘History of Radio in Colonial Bengal’
Invited as Resource Person
- 30.07.2020: Delivered an invited lecture (online) and presented a paper in the National Webinar entitled ‘Land, Water and the Rural World: Experimental and Emotive Responses in Colonial and Post-Colonial India’, organised by Post-Graduate Department of History, Malda College, Malda.
Title of the presentation: ‘Revisiting *Aranyak*: Confabulation of Nature and Literature’
Invited as Resource Person
- 17.08.2020: Invited and represented India as one of the invited participants in a Virtual Book Reading and Discussion Session entitled ‘Tribute to Bangabandhu and his Autobiography- *Unfinished Memoirs*,’ organized by the Indira Gandhi Cultural Centre, High Commission of India, Dhaka, Bangladesh
Invited as Resource Person
- 23.01.2021: Delivered an invited lecture on the occasion of birthday celebration of Netaji Subhas Chandra Bose Lecture organised by Visva-Bharati, Santiniketan.
Invited as Resource Person.

Sabyasachi Dasgupta

- 24.07.2020-25.07.2020: Delivered the invited lecture (online) and presented a paper in the two-days national webinar entitled 'History of Bengal: From Micro to Macro' organised by Manikchak College, Malda.
Title of the presentation: "Indian Medical Personnel in World War I: A Tale of Two Narratives"
Invited as Resource Person.
- 02.09.2020: Delivered the invited lecture (online) and presented a paper in the international webinar entitled "Indo-Bangladesh Relations" organised by Kandra Radha Kanta Mahavidyalaya, Burdwan.
Title of the presentation: "The Bangladesh War: A Military Appraisal".
Invited as Resource Person.
- 16.02.2021: Delivered an invited lecture (online) and presented a paper in the national webinar organised by the Karwaan: The Heritage Exploration Initiative.
Title of the presentation: "Beyond the Blood and Fury: Revisiting the Colonial Armies".
Invited as Resource Person

Sudhi Mandloi

- 15.05.2020- 16.05.2020: Delivered an invited lecture (online) and presented a paper in the virtual national seminar entitled "Modern History" organized by Karnataka Arts, Sciences and Commerce College, Bidar and Girls' Post-Graduate College, Gwalior
Title of the presentation: "Understanding Dr. Ambedkar's alienation from the Congress Freedom Struggle"
Invited as Resource Person
- 25.02.2021: Delivered an invited lecture in Rashtriya Uchchatar Shikshya Abhiyan (RUSA)-sponsored Workshop entitled 'Character-building through education with reference to NEP-2020', organized by NCM DAV College for Women, Chandigarh.
Title of the lecture: "Reflection upon Indian History and Culture for Character-Building".
Invited as Resource Person.
- 26.02.2021-28.02.2021: Delivered an invited lecture (online) and presented a paper in National Webinar entitled "19th Annual Conference on Interrogating Societal Crisis and Configuring Responses: Indian Perspectives" organised by Bharata Vidya Charcha Kendra, Burdwan.
Title of the presentation: "The Republican Party of India: Crisis of Dalit Politics in Post-Ambedkar Era".
Invited as Resource Person.

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- 19.01.2021-02.02.2021: Participated and Completed UGC-Approved Online Refresher Course in Historical Studies organized by UGC-HRDC, Bharathiar University, Coimbatore

Atig Ghosh

- 27.09.2020:28.09.2020: Delivered the plenary lecture (online) and presented paper in the national webinar entitled 'Marginalities and the Indian Subcontinent: Historical Challenges', organized by Raja Birendra Chandra College, Kandi, Murshidabad, Title of the presentation: "Marginalizing the *Demos*".
Invited as speaker.

Publications:

Atig Ghosh

Book chapters / text book / monograph etc:

- "*Situating Social Media: Gender, Caste, Protest, Solidarity*", (Co-edited by **Samata Biswas**), ISBN No.978-93-85606-27-4, Women Unlimited: New Delhi publication, 2020.

Syed Ejaz Hussain

Book chapters / text book / monograph etc:

- "*Alternative Arguments: Essays in Honour of Surendra Gopal*" Co-edited by **Sanjay Garg**, ISBN No. 978-93-90232-85-7, Primus Books publication, New Delhi, 2020.
- "Crafts and Economy: Bengal Sultanate," *History of Bangladesh: Sultanate and Mughal Periods (c. 1200–1800 CSE)*, edited by Abdul Momin Chowdhury, vol. 2, pp. 141-156, ISBN No. 978-984-34-4524-7, Dhaka: Asiatic Society of Bangladesh, October, 2020.
- "Manufacturing and Craft Industries of India (c. 1200–1750): A Historiographical Survey with Emphasis on Textiles" "*Alternative Arguments: Essays in Honour of Surendra Gopal*" Co-edited by **Sanjay Garg**, ISBN No. 978-93-90232-85-7, Primus Books publication, New Delhi, 2020.

Bipasha Raha

Book chapters / text book / monograph etc:

- "The East and the West: Swami Vivekananda and Resuscitation of the Male 'Colonized Body' Late Nineteenth Century Bengal", "*Contextualizing the Body: An Indian Experience*" edited by Sudit Krishna Kumar and Suvobrata Sarkar, pp. 179-196, ISBN No. 978-93-90035-54-0, Manohar publication, New Delhi, 2021.

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

- New DSE Course designed by Dr. Atig Ghosh titled '**Environmental History of Medieval and Modern South Asia**' and approved for introduction in the Post-Graduate programme in March 2021.
- New DSE Course designed by Dr. Sudhi Mandloi and Dr. Atig Ghosh titled '**History of Ideas in Colonial India**' and approved for introduction in the Post-Graduate programme in March 2021.
- A **Smart Multimedia Digital Podium** has been installed in the Department towards greater capacity-building in the area of online teaching as well as classroom instruction in February 2021.
- From the book grant received under the UGC SAP-DRS Phase-III, **84 books** have been bought and incorporated into the Departmental SAP Library in February 2021.

Any other relevant information:

- In its dedication to secure the students and staff from the Corona pandemic, the Department of History has successfully carried out **two sanitization drives** of all the rooms and premises of the main and the annex buildings of the Department in 2021.
- In its dedication to secure the students and staff from the Corona pandemic, the Department of History has installed a no-contact **Automatic Hand Sanitizer Machine** at the entrance of the Department in February 2021.

**DEPARTMENT OF PHILOSOPHY AND
COMPARATIVE RELIGION**

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

| <u>Sl. No.</u> | <u>Name of the student</u> | <u>Examination Qualified</u> |
|----------------|----------------------------|------------------------------|
| i. | Sk Hasibul | UGC-NET |
| ii. | Pintu Das | UGC-NET |
| iii. | Gopal Garai | GATE |
| iv. | Ujjwal Sarkar | UGC-NET-JRF |
| v. | Bhaskar Majhi | UGC-NET |
| vi. | Utpal Mondal | UGC-NET |

Departmental Seminar (Speakers, Title of the Seminar, Date): 01

Speakers: Prof. Raghunat Ghosh, Prof. Nirmalya Narayan Chakraborty, Prof. Ramanuj Ganguly, Prof. D N Tiwari,

Title of the Seminar: “Contemporary Indian Philosophy sponsored by ICPR”

Date: 18.01.2021-19.01.2021

National and International Standard Conference/Seminar/Workshop/Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Md Sirajul Islam

- 02.06.2020 – 04.06.2020: Delivered an invited lecture in a national webinar entitled “Vasudhaiva Kutumbakam- a Journey of Life towards Collectivism” organized by Dept. of Philosophy, Magadh University, Bodhgaya.
Title of the presentation: “Principle of Vasudhaiva Kutumbakam and its Relevance in the Present Pandemic world Civilization”.
Invited as Resource Person.
- 12.06.2020: Delivered a Key-note lecture in a national webinar entitled “Redefining Moral and Ethical Dilemmas Amidst Pandemic” organized by Dept. of Philosophy, ANS College, Barh, Patna, Bihar.

Title of the presentation: “Redefining Moral and Ethical Dilemmas Amidst Pandemic”.

Invited as Key-note Speaker.

- 22.06.2020: Delivered a Key-note lecture in a national webinar entitled “Covid-19: Towards a New Inspired World through the Resurgence of Inner Power and Values” organized by Dept. of Philosophy, Sidho-Kanho-Birsa University, Purulia.

Title of the presentation: “Covid-19 Towards a New Inspired World Through the Resurgence of Inner Power and values”.

Invited as Key-note Speaker

- 27.06.2020: Delivered an invited lecture in a national webinar entitled “Ethic’s Theory & Practice: The New Normal” organized by Dept. of Philosophy, Vidyasagar College.

Title of the presentation “Freedom and Empowerment.”

Invited as Resource Person

- 27.06.2020 – 28.06.2020: Delivered an invited lecture and presented a paper in the International Webinar entitled “Buddhism and Pandemic” organized by Buddhist Philosophy, Dharma Chakra Vihara International Institute, Sarnath, Bihar.

Title of the presentation: “Relevance of Buddhist Teachings to combat Covid-19 pandemic”

Invited as Resource Person

- 15.07.2020: Delivered an invited lecture in a national webinar entitled “A Critique of Natural Rights and Human Rights-In the light of Jeremy bentham, Edmund Burke and Thomas Paine” organized by Sovarani Memorial College, Jagatballavpur, Howrah.

Title of the presentation: “Critic of Natural Rights and Human Rights.”

Invited as Resource Person

- 03.08.2020: Delivered an invited lecture in a national webinar entitled “Redefining Professional Ethics amidst covid-19” organized by Dept. of Philosophy, Moridhal College, Assam.

Title of the presentation: “Redefining Professional Ethics amidst covid-19 Pandemic: Some Reflections.”

Invited as Resource Person

- 06.08.2020: Delivered an invited lecture in “ICPR’s Discourse on National Education Policy-2020” organized by ICPR, New Delhi.

Title of the presentation: “Valid points on New National Education Policy-2020.”

Invited as Resource Person

- 14.08.2020: Delivered an invited lecture and presented a paper in the International Webinar entitled “10th World Science Congress” organized by Professor Dr. Ranajit Sen, Kolkata.

Title of the presentation: “Relevance of Moral Science for Humanity.”

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Invited as Resource Person

- 28.08.2020: Delivered an invited lecture in an international webinar entitled “Shatobarshe Bangabandhu Smaran” organized by Management Association of Bangladesh, Dhaka.
Title of the presentation: “Bangabandhur Jivan o Shatobarshe Bangabandhu: Bangladesher Shikasha Bhavana.”

Invited as Resource Person

- 29.08.2020 – 31.08.2020: Delivered an invited lecture in an international webinar entitled “Forgiveness is Liberation” organized by Vishnu Mohan Foundation, Chennai.
Title of the presentation: “Islamic concept of Forgiveness.”

Invited as Speaker

- 07.10.2020: Delivered an invited lecture in “UNESCO Project IUHU Annual Lecture” organized by Prof. Radharaman Chakraborti, Director, IUHU, Ramakrishna Institute of Culture, Golpark, Kolkata.
Title of the presentation: “Islamic Messages towards Humanity and Its relevance in the Present world.”

Invited as Resource Person.

- 29.10.2020 – 31.10.2020: Delivered an invited lecture in international e-conference entitled “Sufism, Perfected Humanity and Divine Communion” organized by Darul Irfan Research Institute, Chattogram, Bangladesh.

Title of the presentation: “Sufism as a Tool of Interfaith Dialogue and Communal Harmony: An Exposition.”

Invited as Resource Person.

- 20.12.2020: Delivered an invited lecture and presented a paper in the International Webinar entitled “Arabic and Bengali Literatures: Aspects of Interaction in Modern Times” organized by Dept. of Arabic, Calcutta University, Kolkata.

Title of the presentation: “Bengali Sufi Literatures: Origin and Development.”

Invited as Resource Person.

- 12.01.2021: Delivered an invited lecture in a national webinar entitled “Birth Anniversary of Swami Vivekananda” organized by Maulana Abul Kalam Azad Institute of Asian Studies Salt Lake, Kolkata, Institute of the Ministry of Culture, Govt. of India.

Title of the presentation: “Philosophy of Swami Vivekananda.”

Invited as Resource Person

- 12.01.2021: Delivered an invited lecture in a national symposium entitled “Swami Vivekananda: A Global Voice for 21st century” organized by Sahitya Academy, New Delhi. Title of the presentation “Swami Vivekananda: A Global Voice for 21st century.”

Invited as Resource Person.

- 18.01.2021: Invited and chaired a session in a two-day national webinar entitled “Contemporary Indian Philosophers to celebrate World Philosophy Day” organized by Department of Philosophy and Comparative Religion, Visva-Bharati, Santiniketan.
Invited as Session Chairperson.
- 23.01.2021: Delivered a special lecture on “Islam o Bharatiya Samskriti (In Bengali)” organized by Aliah Samskriti Samsad.
Invited as Resource Person.
- 18.02.2021: Delivered an invited Key-note lecture in an international webinar entitled “Vasudhaiva Kutumbakam” organized by Department of Philosophy, Kishore Bharati Bhagini Nivedita College, Behala.
Title of the presentation: “The Notion of Vasudhaiva Kutumbakam and the Present World.”
Invited as Key-note Speaker.
- 01.03.2021: Delivered an invited lecture in a national webinar entitled “Philosophy Day” organized by Dept. of Philosophy, Kalyani University, Kalyani.
Title of the presentation: “Critical Thinking on Moral Values.”
Invited as Resource Person.
- 30.03.2021: Delivered an invited lecture in a national webinar entitled “Language: meanings and Thoughts: Indian and Western Perspectives” organized by Department of Philosophy, Kabi Joydev Mahavidyalaya.
Title of the presentation: “Language: Meanings and Thoughts: Indian Philosophical Viewpoint.”
Invited as Resource Person.
- 17.03.2021 - 19.03.2021: Delivered an invited lecture in a national seminar entitled “Logic: East and West” organized by University of North Bengal, West Bengal.
Title of the presentation “Logic in Islamic Philosophy.”
Invited as Resource Person.
- 24.03.2021: Delivered an invited lecture in a national webinar entitled “Morality in Philosophy and Religion” organized by Dept. of Philosophy, West Bengal State University, Barasat.
Title of the presentation: “Necessity of Morality and Religion: Present World Scenario.”
Invited as Resource Person.

M P Terence Samuel

- 26.5.2020: Delivered an invited lecture and presented a paper in a national webinar entitled organized by Department of History, Providence Women’s College, Kozhikode.
Title of the presentation: “Paulo Freire’s Pedagogy of the Oppressed”.

Chapter-2

Invited as Resource Person

- 04.09.2020 – 29.9.2020: Delivered an invited lecture and presented a paper in the International workshop entitled “Critical Theoretical Perspectives and Critical Theorists” organized by International Tamil Research Journal and Pirazh Journal.

Title of the presentation: “Fanon: Vanmaiyyin Theerkatharisi (Fanon: On Violence).”

Invited as Resource Person

- 15.11.2020 – 21.11.2020: Delivered an invited lecture and presented a paper in the International webinar entitled “Comparative Literature and Theory” organized by Department of Tamil and Research Centre, Government College, Chittur, Kerala.

Title of the presentation: “Pinkaalaniya Oppiyal Anukumurai: Edward Saidai Munvathu (Edward Said: Postcolonial Perspectives of Comparative Literature).”

Invited as Resource Person

- 7.12.2020 – 19.12.2020: Delivered an invited lecture and presented a paper in the national webinar entitled “Nurturing Morals, Work Ethics & Accountability for Technical Teachers” organized by Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.

Title of the presentation: “Paulo Freire’s Notions on Critical Consciousness and Dialogue in Pedagogy.”

Invited as Resource Person

- 15.3.2021 – 19.3.2021: Delivered an invited lecture and presented a paper in XLIV Indian Social Science Congress organized by Indian Social Science Academy, held at Samrat Ashok Technological Institute, Vidisha.

Title of the presentation: “Culture Industry – How Technology and Mass Culture Coalesce into Majoritarianism.”

Invited as Resource Person

Manjari Chakrabarti

- 22.08.2020: Delivered an invited lecture and presented a paper in the International Webinar entitled “Education and Technology: Some Emerging Ethical Issues” organized by Department of Philosophy, West Bengal State University.

Title of the presentation: “Technology and Lifeworld: From Classroom Teaching to Digital Teaching.”

Invited as Resource Person

- 20.11.2020: Delivered an invited lecture in a national Webinar entitled “Indian Council of Philosophical Research (ICPR) Periodical Lecture Series” organized by Department of Philosophy, Sree Kerala Varma College, Trissur, Kerala.

Title of the presentation: “Can we know anything? If so, how can we come to know something?”

Invited as Resource Person

- 27.03.2021: Delivered an invited lecture and presented a paper in the International conference entitled “Work of Popper” organized by Professor Jeremy Shearmur, Emeritus Fellow, School of Philosophy, The Australian National University.

Title of the presentation: “Karl Popper on the ‘Other Hard Problem’ of Consciousness.”

Invited as Resource Person

Kausik Bhattacharya

- 19.01.2021. Invited and chaired a session in a two-day national webinar entitled “Contemporary Indian Philosophers to celebrate World Philosophy Day” organized by Department of Philosophy and Comparative Religion, Visva-Bharati, Santiniketan.

Invited as Session Chairperson

Shubhra Jyoti Das

- 19.03.2021: Delivered an invited lecture in ICPR sponsored National Periodical Lecture organized by Kaliyaganaj College, Uttar Dinajpur, West Bengal.

Title of the presentation: “A Roadmap for Sustainable Development in Shankara’s Philosophy of Man.”

Invited as Resource Person

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

Anup Barman

- Director, ICPR Sponsored World Philosophy Day 2020 Webinar

Manjari Chakrabarti

- Acted as a Reviewer/ Referee of the following journals:
 - a) Techné: Research in Philosophy and Technology (Official journal of the Society for Philosophy and Technology)
 - b) Rabindra Bharati Journal of Philosophy
- Acted as the External Examiner of the PhD thesis (titled “The Extended Mind Hypothesis and its Implications”) of Ms Sangeeta Basu (Department of Philosophy, Jadavpur University).

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- Acted as an External Expert for upgradation from JRF to SRF (under the scheme of JRF in the Sciences, Humanities and Social Sciences) of Mr. Subhankar Poddar (Department of Philosophy, North Bengal University)

Mousumi Roy

- Coordinator, ICPR Sponsored World Philosophy Day 2020 Webinar

Sujay Mondal

- Coordinator, ICPR Sponsored World Philosophy Day 2020 Webinar

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Md Sirajul Islam

- Member of ICPR Project Committee, New Delhi
- Member of ICPR Selection Committee, New Delhi

Publication:

Md Sirajul Islam

Book chapters / text book / monograph etc:

- “The Visible is sustained by the invisible: An Analysis for the Resurgence of inner Power and Values to combat”, “*Philosophical Reflection on Covid-19*”, Edited by Rajkumar Modak, E-ISBN-978-81-936317-5-12020.
- “Jatiyatavadee O Samanvaya Panthi Ananya Vyaktitva Syed Badrudduja”, “*Ananya Jnanayak Syed Badrudduja*”, ISBN: 978-93-84487-47-8, 2021.
- “Sufism as a Tool of Interfaith Dialogue and Communal”, “*Sufism Perfected Humanity and Divine Communion*, 2020 (International Webinar Proceedings)
- “Buddhism and Covid-19 Pandemic: A Philosophical Reflection”, “*Buddhism and Pandemic*”, 2021 (International Webinar Proceedings)

Anup Barman

Book chapters / text book / monograph etc:

- “Sur Man and Society: Philosophy of Harmony in Indian Tradition’- A Response to the Critics of Modern Indian Philosophy”, “*The Engaged intellect Essays on the Philosophical*

Perspectives of Raghunath Ghosh (along with his responses)” pp.204-214, published by Levant Books, India, 2020.

Manjari Chakrabarti

Book chapters / text book / monograph etc.:

- “Prehistoric Stone Tool Technology and Epistemic Complexity”, *“Engineering and Philosophy”*, pp. 37, 2021, https://doi.org/10.1007/978-3-030-70099-7_5

Rekha Ojha

Book chapters / text book / monograph etc:

- “Bharat mein karabas ki naitikota: ek odhyayan”, *“Drishtikon Prokashon”*, Vol-12, No.-6, pp. 1347-1349, 2020.

M P Terence Samuel

Research Articles / Paper in Journal:

- “Embodiment, Inter-subjectivity, Revolution: An Exploration of Phenomenological Ethics of Freedom”, *“Cetana: The Journal of Philosophy”*, Vol. I, Issue I, pp. 46 – 66, 2021.

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 have been introduced.

Any other relevant information:

The Department has a well-organized library located in Darshan Sadan itself. Its holdings reach over 13500 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 and Tibetan are housed in the Central Library of the University.

CENTRE FOR JOURNALISM & MASS COMMUNICATION

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

- i. Tania Dey UGC-NET (June ,2020)
- ii. Swagata Ghosh UGC NET-JRF (June, 2020)

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

- Dr. Kapil Kumar Bhattacharya, Former Guest Faculty, CJMC, Practical workshop for the Semester I students on “Software Usage for Print Media” held on 03.02.2021 to 04.02.2021.
- Prashanta Paul, Former Journalist of Deccan herald and Al-Jajira, Practical workshop on “Report Improvement for Visva-Bharati Chronicle” held on 09.02.2021 to 10.02.2021.
- Mr. Arindam Basu, Media Academician, Managing Director, Carpe Diem, Kolkata, Workshop for the Semester I students on ‘Personality Development’ held on 11.02.2021.
- Mr. Biswajit Matilal, Vice President, Birla Corporation Ltd, Kolkata, Workshop for the Semester III students on “Corporate Communications with Special Reference to CSR and PR Tools” held on 16.01.2021.
- Mr. Samir Goswami, Kolkata, Workshop for the Semester III students on “Organising An Effective Press Conference” held on 14.01.2021.
- Mr. Snehasis Sur, Media Academician, Senior Journalist in Doordarshan Kolkata, President – Press Club, Kolkata, Workshop for the Semester III students on “Television Journalism- Session II” held on 09.01.2021, 13.01.2021 and 16.01.2021.
- Dr. Tirthankar Roy, Dept. of Statistics, Visva-Bharati, Workshop on “Learning Management System with Online Vidya Charcha” on 01.10.2020.

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars

Biplab Loha Choudhury

- 22.11.2020: Delivered the Invited Plenary talk (online) in 4th National Media Conclave entitled “Communication for Social Change” organized by Institute of Media Studies, Utkal University, Odisha.
Title of the plenary talk: “Role of Information: Media & Civil Society focusing on social movement, advocacy & civil society.
Invited as Plenary Speaker

- 20.10.2020: Delivered the Keynote address in International Web Seminar entitled “Development Communication for a Sustainable Future: Revisiting The Gandhian Model of Development” organized by Deptt. Of Mass Communication and Journalism, BBA University, Lucknow.
Title of Keynote address: “Development Communication for a Sustainable Future: Revisiting The Gandhian Model of Development”.
Invited as Keynote speaker
- 03.10.2020: Delivered the invited lecture in One Week Multidisciplinary Lecture Series organized by IQAC of Guwahati Law College, Gauhati University.
Title of address: “Next Generation Media Regulation”.
Invited as Resource Person’s
- 21.08.2020: Delivered the Inaugural speech (online) in the national webinar organized by Press Information Bureau of India, Regional Office, Kolkata
Title of speech: “Government and Private Media during COVID”
Invited as Resource Person.
- 09.08.2020: Delivered the invited lecture (online) in the national webinar organized by Press Information Bureau of India, Regional Office, Kolkata
Title of speech: “National Education Policy”
Invited as Resource Person.
- 20.07.2020 – 01.08.2020: Delivered the invited lecture (online) in the online Refresher Course of CPDHE (UGC-HRDC) for University and College teachers across India organized by University of Delhi, New Delhi.
Title of the theme: “Role of Journalism, Media and Cinema in Nation and Generation Building”
Invited as Course Evaluator
- 25.07.2020: Delivered the invited lecture in the national webinar organised by Netajinagar College, Kolkata.
Title of the presentation: “Fake News in The Era of COVID-19”
Invited as Resource Person.
- 22.06.2020 – 27.06.2020: Delivered the Keynote address in National level Webinar organised by Department of Communication Bangalore University
Title of the address: “Future of Indian Media Industry”
Invited as Keynote speaker
- 06.06.2020: Delivered the invited lecture (online) on the occasion of Media Educators' Round Table organised by ABP Education. Com
Title of the presentation: "Future of Media & Communication Education post the Covid 19 crisis”

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Invited as Resource Person.

- 04.06.2020: Delivered the invited lecture (online) in the national webinar series entitled “Post-Corona Journalism- Changes, Problems and Prospects” organised by Mangalayatan University & Himalayan University.

Title of the presentation: “Communication Loop to Break Corona Spread”

Invited as Resource Person.

Mausumi Bhattacharyya

- 07.02.2020: Invited and moderated a special session (online) under the Three week international virtual workshop entitled ‘Research Methods - Insights and Applications’ organised by the University of Calcutta, India and Institute for International Journalism- IJ , Ohio University, USA

Title of the theme/session: ‘Research Methods - Insights and Applications’

Invited as Resource Person.

- 30.01.2021: Delivered the invited lecture (online) entitled ‘Reminiscences from the Fourth Estate: Two Decades of CJMC’ organised by Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati

Title of the presentation: “Reminiscences from the Fourth Estate: Two Decades of CJMC”

Invited as Resource Person

- 23.01.2021 – 24.01.2021: Invited and conducting of a synchronous session in three weeks International Virtual Workshop entitled ‘Research Methods - Insights and Applications’ organised by the University of Calcutta, India and Institute for International Journalism- IJ, Ohio University, USA

Invited as Support Resource Person

- 30.12.2020: Delivered the Invited Panellist notes in the national level webinar session entitled ‘Infodemic, Fact Checking, Challenges of Social Media’ organised by the Press Club, Kolkata and UNICEF

Invited as Panellist

- 20.12.2020: Delivered the Invited chaired address in the VIIIth online session of International Web-Convention entitled “International Web-Convention to commemorate the 100 years of Media Education in South Asia” organised by the Institute for International Journalism-IJ, Ohio University, USA and Dr Anamika Ray Memorial Trust, India

Invited as Chair person

- 20.12.2020: Delivered the Invited lecture and presented a paper in the International Web-Convention entitled “International Web-Convention to commemorate the 100 years of

Media Education in South Asia” organised by the Institute for International Journalism-III, Ohio University, USA and Dr Anamika Ray Memorial Trust, India.

Title of the presentation: ‘Transforming community radio into social media: Need for modernization and innovation’.

Invited as Author of the paper

- 20.12.2020: Delivered the Invited lecture and presented a paper in the International Web-Convention entitled “International Web-Convention to commemorate the 100 years of Media Education in South Asia” organised by the Institute for International Journalism-III, Ohio University, USA and Dr Anamika Ray Memorial Trust, India

Title of the presentation: ‘Enhancing marketing skills of artisans: E-commerce platforms as educative medium’

Invited as Author of the paper

- 19.12.2020: Delivered the Invited Panellist notes in a special online session entitled ‘Mind Battles Media’ organised by the Team CUSP, India

Invited as Panellist

- 10.12.2020: Invited and moderated a special session (online) entitled ‘Covid-19 and Labour Issues: Moulding into the New World of Work’ organised by Friedrich Ebert Stiftung – Germany, India Chapter

Invited as Resource Person

- 26.10.2020: Delivered the Invited lecture(online) and presented a paper in a national level webinar organised by A Multiple Action Research Group (MARG), India

Title of the presentation: "Gender & Social empowerment: Depiction of women in media"

Invited as Resource Person

- 18.10.2020: Delivered the Invited panel list notes to take part in an online documentary film making panel held at the ‘Ankur 2020’ online film festival & competition for emerging documentary and short filmmakers organized by the Department of Journalism & Mass Communication, Unit of One Year Diploma in Film Making (UGC Affiliated), Vijaygarh Jyotish Ray College, University of Calcutta in collaboration with Pundranagar Film Society, Bangladesh and IMPACT, India.

Invited as Panel list

- 27.09.2020-28.09.2020: Delivered the Invited lecture (online) and presented paper in the two days international webinar entitled ‘Media and Communication Research: Methods and Approaches’organised by the Department of Journalism and Mass Communication of Vivekananda College Thakurpukur, University of Calcutta.

Title of the presentation: ‘Qualitative Research in Communication’

Invited as Resource Person

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- 20.09.2020: Delivered the Invited panel list notes in the national webinar session entitled 'Politics of Gender Representation In Media: Critical Perspectives' organised by the Department of English and Department of Journalism and Mass Communication of Kandra Radha Kanta Kundu Mahavidyalaya , Burdwan, West Bengal.
Invited as Panel list
- 17.09.2020: Delivered the Invited panel list notes in the webinar session entitled 'Bangladesh Bharoter Gonomadhyam' organised by the Indo-Bangla Media Educators Network .
Invited as Panel list
- 13.09.2020: Invited and moderated in the third session of the three-tier web symposium session entitled 'International Media and Covid 19: Challenges for Journalists and Educators' organised by Institute of International Journalism at Scripps School of Journalism, Ohio University, USA with panel lists from Honduras, Romania, India and USA
Invited as Moderator
- 11.09.2020: Delivered the Invited lecture (online) and presented paper in a Refresher course entitled 'Gender and Social Transformation' organised by the UGC-Human Resource Development Centre, University of Burdwan, West Bengal
Title of the presentation: 'Prominence of Alternative Genders in Patriarchal Societies: Journey of Queer in India'
Invited as Resource person
- 29.08.2020: Delivered the Invited lecture (online) and presented paper in a special lecture series under MOOCs, UGC - 'Society and Media' organised by the GGSIP University, New Delhi.
Title of the presentation: "Decoding the facets of Media, Gender and Society"
Invited as Resource Person
- 16.08.2020: Delivered the Invited panel list notes in the first session of the three-part web symposium entitled 'International Media and Covid 19: Challenges for Journalists and Educators' organised by the Institute of International Journalism at Scripps School of Journalism, Ohio University, USA with co-panel lists from Estonia, Malta, Ghana, Sudan and USA
Invited as Panel list
- 08.08.2020: Delivered the Invited lecture (online) and presented paper in a webinar organised by the Diamond Harbour Women's University, West Bengal.
Title of the theme: 'Online deliberation on 'Media Ethics'
Invited as Resource Person

- 05.08.2020: Delivered the Invited panel list notes in the session on the occasion of 103rd AEJMC Conference, San Francisco, USA (The first virtual AEJMC Conference, 2020) entitled 'U.S. Entrepreneurial Public Diplomacy Across Continents: Innovating Public Diplomacy' with co-panel lists from Greece, Uganda and USA.
Invited as Panel list
- 25.07.2020: Invited as participated conversation (online) from India in the web based media conversation entitled 'Dinarambher Barta' organised by Barta24 (a popular online media outlet) of Bangladesh.
Invited as Expert
- 24.06.2020: Delivered the Invited lecture (online) and presented paper in the webinar organised by the Dept. of Mass Communication, St. Xavier's University, Kolkata.
Title of the presentation: 'Mobile Journalism'
Invited as Resource Person
- 17.06.2020: Delivered the Invited lecture (online) and presented paper in a webinar organised by the Rabindra Bharati University, Kolkata
Title of the presentation: 'Growth of OTT in India: The Covid Factor'
Invited as Resource Person
- 14.05.2020: Delivered the Invited lecture (online) and presented paper in a webinar organised by Department of Mass Communication, Pt. Chiranjilal Sharma Government College, Karnal, Haryana.
Title of the presentation: 'Mobile Journalism'
Invited as Resource Person

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

- COVID Outreach Broadcast Group created by Prof. Biplab Loha Choudhury from March 2020-July 2020
- Cleaning CJMC on Gandhi Punyaho 2020

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Biplab Loha Choudhury

- Member, Editorial Board, Communication & Culture in Contemporary Asia Series, Springer Singapore
- Editor-in-Chief of international Peer-reviewed Journal International Journal of Peace Education and Development Published by Renu Publishers

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- Series Editor, GRTF-NDP Book Series, New Delhi Publishers

Mausumi Bhattacharya:

- Advisory Board Member of the prestigious 'Journal of Communication
- Research and Emerging Technologies ICONO14' (www.icono14.net) published by The Scientific Association ICONO 14 of Madrid, Spain since August, 2018 till now
- Advisory Board Member of the prestigious 'International Journal of Communication Development (IJCD)', ISSN-2231-2498, New Delhi since January, 2014 till now
- Elected as India Board Member of the International Association of Women in Radio and Television (IAWRT) since 2015 till now.
- Have been selected as a member of the National Foundation for India (NFI) Media Fellowship Jury Board since 2015 till now.
- Have been selected as the Eastern Zonal Coordinator of People's Archive of Rural India (PARI) since 2015 till now.
- Nomination as subject expert in the syllabus committee of the newly formed Journalism and Mass Communication Department, Sidho Kanho Birsa University, West Bengal

Publications

Biplab Loha Choudhury

Research Articles / Paper in Journal:

- "Mapping Reporting of Development of Education in Bengali Dailies in Birbhum", *Wesleyan Journal of Research*, Vol.13, No.4(VI) pp. 58-66, December 2020, (Co-author- Kapil Kumar Bhattacharya)

Book chapters / text book / monograph etc:

- 2020: Media Education to take note of end of mass communication age
<https://www.abpeducation.com/expert-views/media-education-to-take-note-of-end-of-mass-communication-age-1.1160262#.Xt6H0egHvr8.whatsapp>
- Edited 2 issues of peer reviewed journal International Journal of Peace Education & Development, vol.7 no.1 June 2020 & December 2020.

Mausumi Bhattacharya

Research Articles / Paper in Journal:

- "Growth of OTT in India: The Covid Factor", *E-CineIndia Journal*", ISSN No. 2582-2500, FIPRESCI - The International Federation of Film Critics - India Chapter, April-June, 2020.

- “Bromance in Bollywood: Is it dismantling homophobia and homophobia?” “*Global Media Journal, Indian Edition*”, Vol.12 (I), ISSN: 2249-5835, July,2020.
- ‘Mobile Telephone Interactions and Perspectives in the Health Sector of Rural Bengal of India’ “*The Journal of Development Communication*”, Vol. 31 (2), eISSN 2637-0085, December,2020.

Book chapters / text book / monograph etc:

- ‘Social Media Consumption Amidst Covid19: Perspective for Users’ Discretion’ ‘*MEDIA IN THE TIME OF COVID-19*’, ISBN:978-93-5407-738-8, published by Indian Institute of Mass Communication (IIMC), Dhenkanal Monograph 23,June 2020.
- ‘Safety and Security of Journalists in India: Need for Comprehensive Protective Regulations’ ‘*Handbook of Research on Discrimination, Gender Disparity, and Safety Risks in Journalism*’ published by IGI Global, 2021, DOI: 10.4018/978-1-7998-6686-2.ch008.

Archan Mitra (Doctoral Research Scholar)

- “A study of the impact of COVID 19 on Environment -A Meta-Analysis based on pollution data and reflections on other environmental factors” “*The International Journal of Analytical and Experimental Modal Analysis*” Vol 12 (6),2021: 1139 DOI:18.0002.IJAEMA.2020.V12I6.200001.0151024 (Co-author- Prof. Sarita Bose)
- “Role of Online Media: A Study of Happiness Index in Students’ Online Screen Use in West Bengal” , “*International Journal of Peace and Education*” Vol 8 (1), ISSN: 2321-9807 E-ISSN-2454-95252020: 30-40 DOI:10.30954/2454-9525.01.2020.2 Gurudev Rabindranath Tagore Foundation-Renu Publishers, New Delhi (Co-author- Prof. Trinanjana Das

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

- Digital Film Making Short-term Certificate Course Designed and passed by BOS, CJMC. Waiting for next level approval.
- Prof.Biplab Loha Choudhury developed On-line Practical in Communication Studies method which is undergoing beneficiary evaluation.

A brief history on the development of the Bhavana/Sadana/Vibhaga:

CJMC plans to start few short term value addition courses in areas of Digital Film Making, Script & Screenplay, Screen Acting within few years.

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

A. Academic & Research Collaborations:

- i. Awaiting MOU with Panteion University of Social and Political Sciences, Athens, Greece to collaborate under the Erasmus+ grant agreement (student and faculty exchange programme) of their Department of International Relations and European Union between Department of Communication, Media and Culture . Initiated in January 2020 with Dr. Mausumi Bhattacharya as Co-ordinator.
- ii. Dr. Mausumi Bhattacharya have been included as the Communication Coordinator of India in the Prestigious ALUMNI TIES Small Grant Fellowship by the Department of State, USA for the Greece-India Social Media related project titled ‘The Room Where It Happens’ (March-November 2021)
- iii. Awaiting MOU with Rajshahi University, Bangladesh for research and faculty collaboration with Prof. Biplab Loha Choudhury as Co-ordinator

B. Start-up Mentoring:

- During the year, Docsfind, a health service online start-up started by a pass out with Media Organization Management specialisation is mentored in Media Organization Management area by Prof. Biplab Loha Choudhury.
- Mentoring a start-up ‘DHEE Communication and Management’, Kolkata, initiated by a CJMC Alumni(now doctoral scholar) by Dr. Mausumi Bhattacharya

C. Doctoral Research Information:

- Two PhD scholars have been awarded doctoral degree.
- First foreign doctoral scholar Jatuporn Swansukham from Chulalongkorn University, Bangkok has joined doctoral program with ICCR fellowship.

D. Media Production Practical during COVID:

Maiden Remote location media production practical from January to March 2021 culminated in Publication of Print & online Visva-Bharati Chronicle in March 2021.

E. Placement initiative:

- Organized Teach-India Fellowship Preplacement meeting online on 5th March,2021 for MA in Communication & Journalism final semester batch.
- Ten students of pass out batch informed joining jobs by December 2020.Others information could not be updated.

F. Internships/field projects: Around fifty students from 2 batches informed working as interns during the period, mostly only. The details for five students are illustrative only.

- Ankita Mukherjee, PR Intern at Picartzo Services Pvt. Ltd, Mumbai. and Email Promotion at Ercess Live, Bengaluru
- Simran Parveen, Social media Internship at Global Peace Foundation India and Tears of the Earth, New Delhi and Apna Saathi Intern at Piramal Foundation, Mumbai
- Sayanti Sadhukhan, Social Media Marketing manager at Hara Jeevan, New Delhi English and Bengali Content Writing at The Wordsmiths, Kolkata
- Abhisikta Saha, Voice-Over Artist at (DHEEcast).1 unpaid internship-
- Name of the Organization:DHEE communication and management (OPC) private limited, Kolkata
- Ananya Dey, Apna Saathi Intern at Piramal Foundation, Mumbai

WOMENS' STUDIES CENTRE

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 Women's Studies Centre, a product of this initiative, at Visva-Bharati was established in July 2009.

The Women's Studies Centre at Visva-Bharati 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. We believe that understanding of gender relations is essential to comprehend the contemporary world which in turn is contingent upon the intricate interplay of social, cultural, political and economic factors determined in the past. Gender relations cut across multiple categories such as class, caste, religion and ethnicity. Without an interdisciplinary approach, thus, this analysis is not possible. 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.

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

Tanusree Paul

- 07.12.2020: Invited as a resource person and participated in the International Workshop entitled “SAWA Leadership and Research Methods Training for Interdisciplinary Research” organized by South Asia Consortium for Interdisciplinary Water resources Studies (SaciWATERS), Hyderabad.

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

The Centre started offering Generic Elective Course in Women’s studies from 2020-21. The first batch consists of nine students from various departments of Bhasha and Vidya Bhavana.

A brief history on the development of the Bhavana/Sadana/Vibhaga:

The Women’s Studies Centre, Visva-Bharati was established in July 2009. The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The Centre focuses on interdisciplinary work on gender questions: women’s status in developing as well as in developed countries, gender dimension of development, divisions of labour, public and private spheres, access to institutions and the organisation of family life, masculinity. 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. A separate Board of Studies was constituted vide order no. Reg./Notif./156 dated 3rd September, 2014 with Professor Sushanta Dattagupta, Vice-Chancellor, Visva-Bharati as the Chairman of the BoS of the Centre. The Institute Board of the Centre is Vidya Bhavana as per the same order.

EDUCATION

National and International standard Conference /Seminar Workshop/ Exhibition etc:

Shilpi Ghosh

- 26.06.2020- 30.06.2020. Delivered an invited lecture in the national webinar entitled 'Public Policy Discourse-2020' organized by Mahatma Gandhi Central University in collaboration with North-Eastern Hill University and Central University of Tamil Nadu. Title of presentation: "National Public Policy Discourse on Mental Health and Well-being Policies".
Invited as Key-note speaker.

Publications:

Shilpi Ghosh

Research Articles / Paper in Journal:

- "Construction and Standardization of Examination Anxiety Scale for Adolescent Students." *International Journal of Assessment Tools in Education*. Vol.7, No.4, pp-522-534. e-ISSN:2148-7456.(Co-author-NargisAbbasi)
Url:<https://doi.org/10.21449/ijate.793084>
- "Effect of COVID-19 Pandemic on Mental Health of the Health Care Workers." *Indian Journal of Biochemistry & Biophysics*. Vol.57, pp 594-601, October 2020,(Co-author-Shatabdi Ghosh)
Url: <http://op.niscair.res.in/index.php/IJBB/article/view/39689/465477867>.
- "Air Quality during COVID-19 Lockdown: Blessing in Disguise." Shilpi Ghosh and Shatabdi Ghosh. *Indian Journal of Biochemistry & Biophysics*. Vol.57, August 2020, pp 420-430. url: <http://op.niscair.res.in/index.php/IJBB/article/view/37853>.
- "Effect of Yoga on Examination Anxiety: A Systematic Review." *International Journal of Psychosocial Rehabilitation*. Vol.24, No.8, pp- 9113-9124. ISSN: 1475-7192.(Co-author-NargisAbbasi)
url: <https://www.psychosocial.com/article/PR280902/25403/>.

SIKSHA BHAVANA

Siksha-Bhavana (Institute of Science) was originally an under-graduate college for teaching Humanities subjects, which during 1961-1963 was expanded to include in its curriculum B.Sc. (Honours) courses in Mathematics, Physics, Chemistry, Zoology and Botany. The M.Sc. programme in these subjects was introduced during 1963-1964. Finally, due to reorganization of the courses of studies in the Humanities and Science subjects, all the Departments in Science teaching under graduate and post graduate courses were brought under Siksha-Bhavana (Institute of Science) in 1972.

Siksha-Bhavana (Institute of Science), consists of nine Departments and two Centres, viz. the Department of Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Sciences, Biotechnology and Environmental Studies, Integrated Science Education & Research Centre and the Centre for Mathematics Education. All these run both teaching and research programme and have been awarding B.Sc. (Honours) degree in seven subjects, M.Sc. degree in ten subjects as well as Ph.D. degrees in the aforementioned subjects.

Students of Five-Year Integrated M.Sc. Programme are admitted from regular science stream only having Biology, Chemistry, Mathematics and Physics in their XI and XII classes. Fifteen (15) out of thirty one (31) students admitted to the course are provided (according to merit) DST INSPIRE scholarship of Rs. 5,000/- per month along with mentorship support of Rs. 20,000/- annually for carrying out summer research internship during vacation period as per the following guidelines. According to Department of Science and Technology (DST), Govt. of India (www.online-inspire.gov.in), INSPIRE scholarship is provided to a student who is either top 1% in XIIth standard examination of any state/Central Board or within 10,000 All India Rank (AIR) in JEE (Main)/JEE (Advanced) or KVPY Scholar/International Olympiad Medalist/JBNSTS Medalist/NTSE Scholar and pass-out of current year.

All students of two-year M.Sc. Programme in Biotechnology at Visva-Bharati are admitted through all-India GAT-B (Graduate Aptitude Tes-) examination conducted by the Regional Centre for Biotechnology, Faridabad under the Department of Biotechnology (GoI). The prospective applicants are encouraged to frequently check their website (<http://rcb.res.in/GATB/>) for updated information. Students are accepted on the basis of list of successful candidates prepared by RCB, Faridabad subject to fulfilment of departmental criteria. Admitted students receive Rs. 5,000/- per month as stipend from Department of Biotechnology, Government of India.

Siksha-Bhavana has earned national and international recognition over the last decades due to the sincere efforts of its dedicated teachers and brilliant students. Several research projects in the front line areas of science funded by agencies like UGC, CSIR, DST, BNRS, ICAR, ICMR, DBT, MNES, DAE, DST-PURSE and DST-SPARC are in progress.

Chapter-2

Department of Zoology has been awarded with the Centre for Advanced Study programme of the UGC and COSIST grant for improvement of infrastructural facilities. DST has awarded the FIST grant to the Departments of Zoology, Chemistry, Mathematics, Physics, Botany, Environmental Studies, Biotechnology and Integrated Science. The Departments of Mathematics, Chemistry and Botany were awarded with Special Assistance Programme of UGC. The Department of Mathematics has been receiving NBHM Library grants for more than twenty years. National and international seminars, symposia and workshops are organized regularly in the form of webinar via online platform by various departments under Siksha-Bhavana with support from DST, UGC, INSA, CSIR, DAE and other national agencies.

DEPARTMENT OF PHYSICS

Departmental Profile:

Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. (Honours) level while the M.Sc. programme started in 1968. Presently the Department has twenty-four (24) faculty members and fifty two (52) research students. The department has been taking active role in the curricular development at both the P.G. and U.G. levels. The 'Computer Applications' courses were introduced to the U.G. and as P.G. classes since 1987 as the knowledge in computers and computational physics are essential ingredients of teaching-learning and research in Physics. The department has implemented the Choice Based Credit Course (CBCS) module at the U.G. level in 2017 which includes a wide choice of contemporary and advanced topics. The first batch of students studying the CBCS curriculum has graduated in 2020. Some modifications of the CBCS course has been done to improve the practical / hands on part of the course. Setting up new additional experiments for the proposed postgraduate course is high on the priority list. We have used the experience of teaching this new and conceptually novel U.G. course to formulate a new P.G. curriculum and the new curriculum has been introduced in 2020-2021 session. Presently the department offers six special papers (Condensed Matter Physics, Particle Physics, Electronics, Quantum Electronics, Astrophysics & Cosmology and Nuclear Physics) at the Post-Graduate level. With the introduction of the new P.G. syllabus the students will have a much wider choice of optional papers. Every year a good number of students of the department qualify in various national level competitive examinations (such as NET, GATE, *etc.*).

During the early days, though the department laid more emphasis on theoretical research but also installed an X-Ray research laboratory in early 1960 financed by the University. In course of time, both theoretical and experimental research on wide range areas have been flourished with support from different funding agencies, such as, DST, DAE-BRNS, AERB, UGC, CSIR, UGC-DAE CSR (Kolkata), IUAC (New Delhi), MHRD, *etc* and pursuing research in Condensed Matter Physics, Materials Science, Nanomaterials, Electronics and Communication, Instrumentation, Quantum Optics, Laser Physics, Astrophysics, Cosmology, Mathematical Physics, Particle Physics, Nuclear Physics, *etc*. There are several laboratories which can be used for teaching specialized topics as well as research. A list of high-end equipment available in the department is given below.

The members of the faculty use a number of experimental facilities available within the country as well as abroad to carry out their research - SINP (Kolkata), SNBCBS (Kolkata), VECC (Kolkata), Jadavpur University (Kolkata), University of Calcutta, UGC-DAE-CSR (Kolkata), Bose Institute (Kolkata), IIT-Kharagpur, NIT (Durgapur), CMERI (Durgapur), IUAC

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(New Delhi), DAE-CSR (Indore), IUCAA (Pune), TIFR (Mumbai), BARC (Mumbai), Microton Centre (Mangalore), NISER (Bhubaneswar), IIT (Dhanbad), NIT (Rourkela), MG University (Kottayam), NEHU (Shillong), LHC (CERN, Geneva), Osaka University (Japan), *etc.*

Faculty members have research collaborations, both theoretical and experimental, with institutes within India as well at abroad - Max-Planck Institute for Astrophysics (Garching, Germany), Naresuan University (Thailand), Fukushima University (Japan), Osaka University (Japan), University of La Plata (Buenos Aires, Argentina), International Islamic University of Malaysia (Kualalumpur, Malaysia), Nicolaus Copernicus University (Poland), University of Silesia (Poland), National University of Uzbekistan (Tashkent, Uzbekistan), University of Yogyakarta (Indonesia), Virginia Commonwealth University (USA), *etc.*

The department is an associate centre of the Theoretical Physics Seminar Circuit (TPSC) and a regular seminar programme. The department regularly organizes seminars, conferences and workshops on current topics at the National and International Level. Popularization of physics among school students and other outreach programmes are also carried out regularly.

List of high-end equipment available in the Department:

1. TG-DSC Set-up (Netzsch, Germany), X-Ray powder Diffractometer (D/Max Ultima IV Automatic high resolution type, Rigaku, Japan), High End Computing Facility all are provided by DST-FIST , GOI.
2. Dielectric Property Measuring Set-up (100 – 5 MHz, 30-400 deg, Hioki, Japan)
3. Electrical Conductivity Measuring Set-up (~pA, ~1000V, 0 – 100 deg-C, Keithley)
4. Two DSP based gamma-spectrometer systems (CAEN & CANBERRA)
5. Alpha Spectrometer
6. VME-based data acquisition system for Si-strip detectors (Mesytec)
7. I-V/C-V spectrum analyzer (Keithley, 4200 SCS)
8. External cavity diode laser spectrometer (852 nm, mode hop free tuning range 10 GHz).
9. External cavity diode laser spectrometer (890nm - 920 nm, mode hop free tuning range 10 GHz @ 920 nm)
10. Digital storage oscilloscope (200 MHz)
11. Power meter
12. Cesium vapour cells with and without buffer gas.
13. Constant temperature heater
14. DSC (Model 200 F3 MAIA, Netzsch, Germany)
15. Portable Raman Spectrometer (R3000 - 785 NM)
16. Fast -Fast coincidence system for PLS with XP2020Q

17. High Temperature Annealing Furnace with Turbo Molecular Pump.

Considering the prevailing pandemic situation, the department has recently developed the following state of the art facilities for augmenting online teaching.

Remote controlled lab with robotics

This system allows the students to perform actual experiments (not simulations) from home. The necessary hardware and software were developed by the Department. Salient features of the setup:

1. Browser based sparse and rudimentary interface – students only need a basic smartphone, no complicated installation/setup is needed, bandwidth requirement is very low.
2. Students can change the experimental parameters (turning knobs, changing connections through relays and MOSFET switches, taking images of fringes and oscilloscope screens with the camera, etc.) and run the experimental step using the web based interface. Inbound access (by the students) is enabled using an OpenVPN server.
3. In some experiments multiple students can perform measurements – time sharing using SQL based locks.
4. Data can be plotted using gnuplot (with editable settings) to produce a .png output that is displayed in the student's browser.
5. The course is hosted in a Moodle-based LMS installed on an AWS EC2 instance with Debian Linux on the cloud.
6. The experimental module is configured as an Learning Tools Interoperability module and connects to the experimental server. The experimental server uses Arduinos, Raspberry Pi camera modules, stepper drivers and actuators with parts 3d-printed in the laboratory.

Elements of robotics have been used in some of the experiments where physical movement within the experimental setup is needed.

Currently students can do the following experiments:

1. Newton's rings
2. Diode and transistor based digital logic gates
3. PAL logic to implement adders and subtractors
4. Solution differential equations with Op-Amps – simple, forced and damped harmonic oscillators.
5. Diode and transistor characteristics
6. Voltage transfer characteristics of logic gates
7. Amplifiers - logarithmic and anti-logarithmic amplifiers.
8. Design of SR and JK Flip Flop

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Virtual Programming Laboratory (VPL)

The system was designed to let students with a basic smartphone to write programs and compile and run them and the instructors could check their codes and help debug. Salient features of the setup:

1. Browser based sparse and rudimentary interface – students only need a basic smart phone with a web browser, no complicated installation/setup is needed and bandwidth requirement is very low.
2. The experimental module is configured as an Learning Tools Interoperability (LTI) module.
3. Inbound access (by the students) is enabled using an OpenVPN server.
4. We have developed the virtual programming laboratory LTI module (ourVPL) that uses simple HTML forms with CGI (C++) programs.
5. Four **clip-boards** are used for code sharing.
6. Output data can be plotted using gnuplot (with editable settings) to produce a .png output that is displayed in the student's browser.
7. Coupled with a steaming audio/video service with a white-board facility like Big Blue Button or Google Meet, a classroom-like experience can be created.

The languages supported are:

1. C (using clang)
2. C++ (using clang++)
3. Python
4. R
5. Haskell (using ghc)
6. bash (for shell programming)
7. SQL (using sqlite3)
8. CLIPS (for building expert systems)
9. OpenSCAD (for 3d modelling)

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

CSIR-UGC NET June, 2020

- Sumit Achar
- Subham Seth
- Samit Kumar Pal
- Mayushree Das- **Rank-23**
- Arkajyoti Bandyopadhyay

JEST 2020

- Sagnik Misra,
- Md. Tousif Alam

GATE-2021

- Abhijit Kundu
- Arkajyoti Bandyopadhyay
- Arundhuti Goldar
- Mayushree Das
- Praloy Biswas
- Purna Chandra Mandal
- Rasbihari Layek
- Saili Kumari Keshri
- Samit Kumar Pal
- Subham Seth
- Sumit Achar
- Tirthabrata Das

Mr. Apurba Das, M. Sc. pass out in 2020 from the department, has been selected as a research scholar in the Institute of Physics, University of Freiburg, Germany.

Ms. Arunima Dutta, M. Sc. pass out in 2020 from the department, has been selected for a PhD position at the Fundamental Physics in Radio Astronomy group, Max-Planck Institute for Radioastronomie at University of Bonn, Germany.

Departmental Seminar / Symposia.

The department organized an International Virtual Conference on “Advances in Molecular Materials Research (AMMR 2021)”, held at Visva-Bharati University, Santiniketan during 3-5 February, 2021 (Funded by SPARC, MoE)

Convenor of the event: Prof. A. Bhattacharjee

National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by teachers / Research Scholar in detail.

- **Asmita Sen Gupta** delivered an invited talk on “Study of Miscibility of ABS/PA6 Polymer Blend using DSC and PALS”, at the International Webinar on Advances in Physics, Chemistry, Mathematics, Computer Sciences & Biological Sciences (CONIAPS 2020) held on 18, 19 and 20 December 2020 at Mahatma Gandhi University, Kottayam, Kerala, India.
- **Pijush K Ghosh** delivered an invited talk on Novemebr 19, 2020 in the year-long

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international programme 'Virtual Seminar on Pseudo-Hermitian Hamiltonian in Quantum Physics (XIX < vPHHQP < XX)'. See <https://vphhq.com/> for details along with the video of the seminar.

- **Pijush K Ghosh** participated and delivered an invited plenary talk on in the international conference on Non-hermitian Physics(Online) organized by ICTS-TIFR, Bengaluru during March 22-26, 2021. See <https://www.icts.res.in/program/nhp2021> for details along with the slides of the talk.
- **C. Gupta** served as a member of the National Organizing Committee for the conference, "Condensed matter Days 2020" held at NIT Silchar, Assam during December 11-13, 2020.
- **Sudipta Das** delivered an invited talk at the National Webinar on "Dark energy and dark matter: Mysteries of the Universe", organized by Department of Physics, Seth Phoolchand Agrawal Smriti Mahavidyalaya, Nawapara- Rajim, Raipur on **23rd July, 2020**
- **Sudipta Das** delivered an invited talk at the National Webinar on "Recent Advances In Physics Research", jointly Organized by Department of Physics, GDC, Dharmanagar, North Tripura and Women's College, Agartala, West Tripura on **12th August 2020**
- **Sudipta Das** served as a member of the Scientific Organizing Committee (SOC) of the International meeting of the Indian Association for General Relativity and Gravitation (IAGRG 2020) held online from IIT Gandhinagar during December 19 - 20, 2020. Also chaired a session in the conference.
- **Sudipta Das** presented the research paper entitled "Growth of Perturbations in LambertW Dark Energy Model" in the National Seminar on Recent Advances in Astrophysics and Cosmology and organized by the IUCAA Centre for Astronomy Research and Development (ICARD), Physics Department, North Bengal University, India during March 24-25, 2021.
- **Bandyopadhyay** attended 2nd National Webinar organized by Visva-Bharati Library Network (VBLN) on 16-18, 22-27 and 29th June 2020.
- **Bandyopadhyay** attended INTERNATIONAL VIRTUAL CONFERENCE ON ADVANCES IN MOLECULAR MATERIALS RESEARCH (AMMR) 2021, 3-5 FEBRUARY 2021.
- **Subhasish Roy** participated in the Webinar on "Radiations, Exposure and Health Effects" organized by Department of Physics, D. A. V. College, Bathinda on 10/10/2020.
- **Subhasish Roy** participated in the online SciPy India 2020 Conference organized by FOSSEE, IIT Bombay on December 19 – 20, 2020.
- **Subhasish Roy** participated in the Faculty Development Program on "Quality Science Education in India in the 21st Century" during November 3 – 9, 2020. The program was jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of Ministry of Education and Christ College, Irinjalakuda, Kerala.

- **Subhasish Roy** attended the "One Week Training Program on Computer Interfaced Science Experiments" conducted online by IUAC, New Delhi from 28-Sep-2020 to 3-Oct- 2020.
- **Subhasish Roy** participated in the Webinar conducted for JOVE (Journal Of Visualized Experiments) organized by Balani Infotech Pvt. Ltd. on 15th Oct 2020.
- **Chakraborty** participated (through on line mode) in the two weeks Faculty Development Programme on “Advanced Concepts for Developing MOOCs” from July 02 – 17, 2020. The programme was organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- **Chakraborty** attended the One – Week National e-Workshop on “Using Open Source Learning Management System for Online Teaching” organized by Visva-Bharati Library Network (VBLN) & Department of Statistics, Visva-Bharati during August 17 – 25, 2020.
- **Chakraborty** participated in the One Week Online Faculty Development Programme on “ICT Enhanced Teaching Learning and Creating MOOCs” during August 18 – 25, 2020. The programme was organized by Teaching Learning Centre, Ramanujan College and IQAC, Shivaji College, University of Delhi under the Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- **S. C. Tudu** attended *One Week Indo-Canada SPARC – Course on Dielectric Resonator and Its Applications*, DRA- 2020, 20-24 November, NIT, Silchar, INDIA.
- **S. C. Tudu** attended *International Webinar on COVID SAGA: A GLOBAL THREAT*, Dept. Of Physics, SKBU, Purulia, June 26-27, 2020
- **Aditya Sow Mondal** attended one webinar on "Introductory seminar on Astrophysics & Cosmology" organized by ICARD, Department of Physics, North Bengal University on 16th September 2020
- **Puspendu Roy**, research scholar, participated in the International Conference on Non-hermitian Physics(Online) organized by ICTS-TIFR, Bengaluru during March 22-26, 2021

Soumyadip Barman, research scholar, attended the following workshops and conferences:

1. PyHEP 2020 Workshop, HEP Software Foundation, 3-18 July, 2020
2. 15th Annual Fermilab-CERN Hadron Collider Physics Summer School, 10-22 August, 2020.
3. Monte Carlo and Physics Tools Tutorials, CMS, 30th October to 27th November, 2020
4. XXIV DAE-BRNS Symposium on High Energy Physics held at National Institute of Science Education and Research, Bhubaneswar during December 14-18, 2020
5. Standard Model Physics Workshop, organized by CMS, February 11-12, 2021

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Suman Kumar Kundu, research scholar, attended the following workshops and conferences:

1. PyHEP 2020 Workshop organized by HEP Software Foundation between 13-18 July, 2020
2. Delivered a talk, “Investigating the parton shower model in pythia8 with pp collision at $\sqrt{s} = 13$ TeV data”, XXIV DAE-BRNS High Energy Physics Symposium held at National Institute of Science Education and Research, Bhubaneswar during December 14-18, 2020
3. Standard Model Physics Workshop, organized by CMS, February 11-12, 20

Saumyajit Biswas, research scholar, participated in “International E-Conference on Advances in Materials Science (ICAMS – 2021)” organized by the Department of Physics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu during March 24 – 26, 2021. (Sponsored under the scheme of UGC – SAP – DRS – II).

Ongoing Research Projects in the Department.

Major Projects:

1. Project Title: Investigations on Hamiltonian systems with balanced loss and gain
Principal Investigator: Prof. Pijush K. Ghosh
Total grant sanctioned (in Rs): 6,60,000/- (Rs. 2,20,000/year)
Funding Agency: SERB, Govt. Of India (funded under the MATRICS Scheme)
SERB Ref. -- File Number: MTR/2018/001036 dated February 27, 2019
Duration: March 2019 – March 2022
2. Project Title: Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization (SR/MF/PS-02/2014-VB(G))
Principal Investigator: Prof. M. Maity
Duration - August, 2014 – December, 2020
Funding Agency: Department of Science & Tehnology, Government of India
Sanctioned Amount – Rs. 172 lakhs
3. Project Title: Updating and operation of Regional WLCG Grid System (SR/MF/PS-03/2014-VB(G))
Principal Investigator: Prof. M. Maity
Duration - September, 2014 – December, 2020
Funding Agency: Department of Science & Tehnology, Government of India
Sanctioned Amount – Rs. 26.8 lakhs

4. Project Title: Study of nuclear level density as a function of angular momentum, temperature and unveiling the role of collectivity and shell structure
Principal Investigator: Dr. Anagha Chakraborty
Total grant sanctioned (in Rs): Funding of fellowship of one JRF for three years + Rs. 1,35,000/- as grant under contingencies and consumables (under CRS scheme of UGC-DAE CSR, Kolkata)
Funding Agency: UGC-DAE CSR, Kolkata
Duration: June, 2019 – May, 2022

5. Project Title: Lifetime Measurements of Excited States in ^{66}Zn and ^{66}Ga
Principal Investigator: Dr. Buddhadev Mukherjee
Total grant sanctioned (in Rs): Funding of fellowship of one JRF for three years + Rs. 75,000/- as grant under contingencies (under UFR scheme of IUAC, New Delhi)
Funding Agency: IUAC, New Delhi
Duration: December, 2020 - November, 2023

6. Project Title: Lifetime Measurements of Excited States in ^{66}Zn and ^{66}Ga using Doppler Shift Attenuation Method (DSAM)
Principal Investigator: Dr. Buddhadev Mukherjee
Total grant sanctioned (in Rs): 20,87,272/-
Funding Agency: Science & Engineering Research Board (SERB), Department of Science and Technology, Government of India
Duration: December, 2020 - November, 2023

7. Project Title: Single Molecule Magnets and Molecular Magnetic Coolers from Lanthanide-based Metal-Organic Framework Materials
Principal Investigator: Prof. Ashis Bhattacharjee
Total grant sanctioned (in Rs): 49.58 Lacs
Funding Agency: Indo-Japan Collaborative Project under SPARC of Ministry of Education, Govt. of India
Duration: May 2019 - April 2021

8. Project Title: An information theory based study of the large-scale environmental dependence of galaxy properties in the Sloan Digital Sky Survey
Principal Investigator: Dr. Biswajit Pandey
Funding agency: Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India

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Project code: EMR/2019/001110

Grant sanctioned: INR 19,71,332

Duration: Feb, 2020 – January, 2023

9. **Dr. Sudipta Das** successfully completed the 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/-
Time of Completion of the project: February, 2021

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.)

Asmita Sengupta

1. Life Member, Indian Women Scientists’ Association, Mumbai, July, 2018
2. Reviewer: (SPRINGER) NATURE (19-21)
3. Thesis Evaluation: MANONMANIAM SUNDARANAR UNIVERSITY, Tamilnadu

S. Chakrabarty

Reviewers of (i) Pramana (ii) Physics Letters A (iii) EPJD (iv) EPJPlus (v) Physical Review A

S. Mandal

Reviewer of Journals:

1. International Journal of theoretical physics,
2. Modern Physics Letters B
3. Physics Letters A
4. NANO Convergence

A. Bhattacharjee

Editorial Board Member, Current Smart Materials.

Reviewer of Journals:

1. Current Smart Materials
2. Journal of Applied Physics
3. Materials Chemistry & Physics
4. International Journal of Chemical Kinetics

P. K. Ghosh

Reviewer of (i) Mathematical Reviews, American Mathematical Society

(ii) Pramana-Journal of Physics, Indian Science Academy

B.C. Gupta:

Reviewer of Elsevier Journals

Recognition:

1. Member of the Governing Body, Akui Kamalabala Womens' College (the approved nominee of West Bengal State Council of Higher Education)
2. Participated in the Moderation Meeting for Physics (Burdwan University), Nov. 19, 2020
3. Participated in the Moderation Meeting for Physics (Burdwan University), Sept. 28, 2020
4. Worked as Examiner: Term paper & Social Outreach Examination, Sept, 26, 2020

S. K. Mandal:

Reviewer to American Chemical Society (ACS) and other International Journals.

R. K. Singha:

Reviewer of journal: "Journal of Materials Science: Materials in Electronics", Springer.

S. Das:

Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics (IUCAA) for a period of 3 years from August 1, 2020.

Reviewer of Journals:

1. Journal of Astrophysics and Astronomy, Indian Academy of Sciences
2. Pramana - Journal of Physics, Indian Academy of Sciences

B. Pandey:

Acted as reviewer for the following journals:

1. Monthly Notices of the Royal Astronomical Society (MNRAS)
2. Astronomy and Astrophysics (A&A)
3. JCAP (Journal of Cosmology and Astroparticle Physics (JCAP))

Selected as a member of the International Astrostatistics Association (IAA) in 2021.

A. Bandyopadhyay:

Acted as reviewer for the following journals:

1. MAPAN (Springer)
2. Optical Materials (Elsevier)

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A. Sow Mondal

Awarded the Visiting Associate position during the session, 2019-2022 at the Inter-University Centre for Astronomy and Astrophysics (IUCAA)

Book Publication:

“ADVANCED ELECTRONICS” - by **T. Chattopadhyay**. Second Edition (2021) CBS Publishers and Distributors, New Delhi. ISBN No.-978-93-90709-00-7.

Publication in refereed journals:

- 1) “Post-detection modulating signal power reduction due to optical feedback”, **T. Chattopadhyay**, P. P. Pal and M. Chakraborty, **Applied Physics B: Lasers and Optics (Springer Nature)**, vol. 126, article no. 139, July 2020, DOI: 10.1007/s00340-020-07493-6.
- 2) “Third order intermodulation and third order intercept in a directly modulated Fabry-Perot laser diode”, P. P. Pal, M. Chakraborty and **T. Chattopadhyay**, **Journal of Optical Communications**, (published online ahead of print 2020), DOI: 10.1515/joc-2020-0087.
- 3) “Two-photon resonances, ac Stark splittings, and shifts of the resonance peaks in Doppler free absorptive lineshapes of a double-lambda type four level system”, Monojit Kora and **Swapan Mandal**, *Chemical Physics Letters*, 136955 Vol. 720 (2020).
- 4) “Squeezing of coherent light coupled to a periodically Driven two-photon anharmonic oscillator”, Dolan Krishna Bayen and **Swapan Mandal**, *Eur. Phys. J. Plus*, Vol.135, 408 (2020).
- 5) “Nonlinear effects on the dynamics of quantum harmonic modes coupled through angular momentum”, Norma Canosa, Raul Rossignoli, Javier Garcia, **Swapan Mandal**, and Kartick Chandra Saha, *J. Phys. B: At. Mol. Opt. Phys.* 53 215402 (2020).
- 6) “Quantum Anharmonic oscillator with velocity- and position-dependent anharmonicities: An exactly solvable model under rotating wave approximation”, **Swapan Mandal**, Monojit Kora, Dolan Krishna Bayen, Arjun Mukhopadhyay and Kartick Chandra Saha, *Quantum Physics Letters*. 9, 23-28 (2020).
- 7) “On regular and chaotic dynamics of a non-PT-symmetric Hamiltonian system of a coupled Duffing oscillator with balanced loss and gain”, **Pijush K Ghosh** and Puspendu Roy, *J. Phys. A: Math. Theor.* 53 (2020) 475202 (27pp).
- 8) “Effects of graphene on thermal properties and thermal stability of polycarbonate/graphene nanocomposite”, Md Amir Sohel, Abhijit Mondal, Mohammed Arif P, Sabu Thomas, **AsmitaSenGupta**, *Journal of Thermoplastic Composite Materials*. 2021: <https://doi.org/10.1177/0892705721997887>.

- 9) “Effect of ABS on non-isothermal crystallization kinetics of polyamide 6”, Abhijit Mondal, Md Amir Sohel, Mohammed Arif P, Sabu Thomas, **Asmita SenGupta**. *Journal of Thermal Analysis and Calorimetry*. 2021: <https://doi.org/10.1007/s10973-020-10443-1>.
- 10) “Crystallization study of shellac investigated by differential scanning calorimetry”, Abhijit Mondal, Md Amir Sohel, Mohammed Arif P, A S Anu, Sabu Thomas, **Asmita SenGupta**. *Polymer Bulletin*. 77; 2020: 5127-5143.
- 11) “High dilutions of two drugs induce changes in crystal water structure of lactose as revealed by thermogravimetry and differential scanning calorimetry”, Priya Mondal, Nirmal Chandra Sukul, Anubha Dey, **Ashis Bhattacharjee**, Md Amir Sohel, **Asmita SenGupta**, Anirban Sukul. *Indian Journal of Biochemistry and Biophysics*. 57(4); 2020.
- 12) “Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV”, **M. Maity** (CMS collaboration), *Phys. Rev. Lett.* 125 (2020) 151802.
- 13) “Evidence for Higgs boson decay to a pair of muons”, **M. Maity** (CMS collaboration), *JHEP* 01 (2021) 148.
- 14) “Measurement of differential $t\bar{t}$ production cross sections using top quarks at large transverse momenta in pp collisions at $\sqrt{s} = 13$ TeV”, **M. Maity** (CMS collaboration), *Phys. Rev. D* 103 (2021) 052008.
- 15) “Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV”, **M. Maity** (CMS collaboration), *Phys. Rev. D* 102 (2020) 092012.
- 16) “Indoor quality of Residential Homes and Schools of an Industrial Area in Asansol: Characterization Inaccessibility and Health Risk assessment of potentially Toxic Element”, M. Pal, A. Gopi, A. Base, T. Lahav, R. E. Mesto, R. Labra, **T. K. Kundu**, R. R. Hoque, P. S. Killara, and S. Balachandran, *Nature Environment and Pollution Technology*, 20, 13, (2021).
- 17) “Diameter dependent structural and electronic property of fused porphyrin nanotubes: A density Functional study”, Somnath Choudhury, Prajna Mukherjee, Monoj Das and **B. C. Gupta**, *Journal of Porphyrins and Phthalocyanines*, <https://doi.org/10.1142/S1088424620500121> 9 pages (2020).
- 18) “Role of f-d exchange interaction and Kondo scattering in the Nd doped pyrochlore Iridate $(\text{Eu}_{1-x}\text{Nd}_x)_2\text{Ir}_2\text{O}_7$ ”, Sampad Mondal, M. Modak, B. Maji, M. K. Ray, S. Mandal, **Swapan K. Mandal**, M. Sardar and S. Banerjee, *Phys. Rev. B*. **102**, 155139 (2020).
- 19) “Spin transition properties of metal (Zn, Mn) diluted $\text{Fe}(\text{phen})_2(\text{NCS})_2$ spin-crossover thin films”, Saroj Saha and **Swapan K. Mandal**, *Eur. Phys. J. Appl. Phys.* **91**, 20301 (2020).
- 20) “Frequency dependent charge transport and spin state switching characteristics of $\text{Fe}(\text{phen})_2(\text{NCS})_2$ in polymer”, Chaitali Mondal, M. L. Nanda Goswami and **Swapan K. Mandal**, *J. Nanosci. Nanotechnol.* **20**, 2803 (2020).

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- 21) “A simple bridge to operate an AC susceptometer”, **Subhasish Roy**, Published 13 August 2020 © 2020 European Physical Society, European Journal of Physics, Volume 41, Number 5, p. 055501.
- 22) “Renyi entropy as a measure of cosmic homogeneity”, **Biswajit Pandey**, 2021, **JCAP**, 02, 023.
- 23) “Do galactic bars depend on environment?:An information theoretic analysis of Galaxy Zoo 2”, Suman Sarkar, **Biswajit Pandey**, Snehasish Bhattacharjee, 2021, **MNRAS**, 501, 994.
- 24) “Can we constrain the evolution of HI bias using configuration entropy?”, Biswajit Das, **Biswajit Pandey**, 2021, **RAA**, 21, 35.
- 25) “A method for classification of red, blue and green galaxies using fuzzy set theory”, **Biswajit Pandey**, 2020, **MNRAS Letters**, 499, L31.
- 26) “Can a conditioning on stellar mass explain the mutual information between morphology and environment?”, Snehasish Bhattacharjee, **Biswajit Pandey**, Suman Sarkar, 2020, **JCAP**, 09, 039.
- 27) “A study on the statistical significance of mutual information between morphology of a galaxy and its large-scale environment”, Suman Sarkar, **Biswajit Pandey**, 2020, **MNRAS**, 497, 4077.
- 28) “Exploring galaxy colour in different environments of the cosmic web with SDSS”, **Biswajit Pandey**, Suman Sarkar, 2020, **MNRAS**, 498, 6069.
- 29) “Spin Hall Conductance in a Twodimensional Tight-binding model in the Presence of Rashba spin-orbit interaction and Random Impurities”, Hemant Kumar Sharma, **Shreekantha Sil** and Ashok Chatterjee, International Journal of Innovative Reaserch in Physics, 1, 15, (2020).
- 30) “Spin Torque Induced Spin-current in a Two-dimensional Tight-binding system with Rashba coupling in the presence of Random Impurities”, Hemant Kumar Sharma, **Shreekantha Sil** and Ashok Chatterjee, Journal of Magnetism and Magnetic Materials, 500, 166329, (2020).
- 31) “Engineering Spin Polarization in a Driven Multistanded Magnetic quantum network”, Manik sarkar, Moumita Dey, Santanu Maiti and **Shreekantha Sil**, Physical Review B, 102, 195435, (2020).
- 32) “Spin-transport in Two dimensional Tight-binding System with Rashba and Dresselhaus Spin-orbit Interaction in Presence of Static Disorder”, Hemant Kumar Sharma, **Shreekantha Sil** and Ashok Chatterjee, Journal of Magnetism and Magnetic Materials, 529, 167711, (2021).
- 33) “Engineering topological Phase Transition and aharonov Bhom Caging in a Flux Staggered Lattice”, Amrita Mukherjee, Atanu Nandy, **Shreekantha Sil** and Arunava Chakrabarti, Journal of Physics Condensed Matter, ,33, 035502,(2021).

- 34) “Favorable Thermoelectric Performance in a Rashba Spin-orbit coupled ac-driven Graphene Nanoribbon”, Sudin Ganguly, Santanu Maiti and **Shreekantha Sil**, Carbon, 172, 302, (2021).
- 35) “Formation of electromagnetically induced transparency and two-photon absorption in close and open multi-level ladder systems” by Suman Mondal , Sushree Subhadarshinee Sahoo, Ashok Kumar Mohapatra, **Amitava Bandyopadhyay**, Optics Communications, 472 (2020) 126036.
- 36) “Spectroscopic investigation of complex nuclear excitations in ^{66}Ga ”, U. S. Ghosh, S. Rai, **B. Mukherjee**, A. Biswas, A. K. Mondal, K. Mandal, **A. Chakraborty**, S. Chakraborty, G. Mukherjee, A. Sharma, I. Bala, S. Muralithar, and R. P. Singh, Phys. Rev. C 102 (2020) 024328
- 37) “Quasielastic scattering measurements in the $^{28}\text{Si}+^{142,150}\text{Nd}$ systems”, Saumyajit Biswas, **A. Chakraborty**, A. Jhingan, D. Arora, B. R. Behera, Rohan Biswas, Nabendu Kumar Deb, S. S. Ghugre, Pankaj K. Giri, K. S. Golda, G. Kaur, A. Kumar, M. Kumar, **B. Mukherjee**, B. K. Nayak, A. Parihari, N. K. Rai, S. Rai, R. Raut, Rudra N. Sahoo, and A. K. Sinha, Phys. Rev. C 102 (2020) 014613.
- 38) “Nuclear Data Sheets for A=23”, M. Shamsuzzoha Basunia and **Anagha Chakraborty**, Nuclear Data Sheets 171 (2021) 1–252.
- 39) “Investigation of different possible excitation modes in neutron-rich ^{78}As ”, A. K. Mondal, **A. Chakraborty**, K. Mandal, U. S. Ghosh, Aniruddha Dey, Saumyajit Biswas, **B. Mukherjee**, S. Rai, Krishichayan, S. Chatterjee, S. K. Das, S. Samanta, R. Raut, S. S. Ghugre, S. Rajbanshi, R. Banik, S. Bhattacharyya, S. Nandi, S. Bhattacharya, G. Mukherjee, S. Ali, A. Goswami, R. Chakrabarti, S. Mukhopadhyay, A. K. Sinha, V. Kumar, and A. Kumar, Phys. Rev. C 102 (2020) 064311.
- 40) “Evolution of collectivity and shape transition in ^{66}Zn ”, S. Rai, U. S. Ghosh, **B. Mukherjee**, A. Biswas, A. K. Mondal, K. Mandal, **A. Chakraborty**, S. Chakraborty, G. Mukherjee, A. Sharma, I. Bala, S. Muralithar, and R. P. Singh, Phys. Rev. C 102 (2020) 064313.
- 41) “Shell model study of nuclear structure in $^{63,65,67}\text{Ga}$ ”, U.S. Ghosh, **B. Mukherjee**, and S. Rai, International Journal of Modern Physics E 29 (2020) 2050045 (No. 7) DOI: 10.1142/S0218301320500457.
- 42) “Fabrication and characterization of thin $^{142,150}\text{Nd}$ targets for the study of dynamics of heavy-ion induced reactions”, Saumyajit Biswas, S.R. Abhilash, D. Kabiraj, Rohan Biswas, G.R. Umopathy, S. Ojha, and **A. Chakraborty**, Vacuum 186 (2021) 110053.
- 43) “Quasi-elastic scattering measurements of the $^{28}\text{Si} + ^{142}\text{Nd}$ system at back-angle”, Saumyajit Biswas, **A. Chakraborty**, A. Jhingan, D. Arora, B. R. Behera, Rohan Biswas, Nabendu Kumar Deb, S. S. Ghugre, Pankaj K Giri, K. S. Golda, G. Kaur, A. Kumar, M. Kumar, **B**

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- Mukherjee**, B. K. Nayak, A. Parihari, N. K. Rai, S Rai, R. Raut, Rudra N Sahu & A K Sinha, *Indian Journal of Pure & Applied Physics*, Vol. 58, May 2020, pp. 409-414.
- 44) “Probing the low-lying level structure of ^{94}Zr through β^- decay”, K. Mandal, A. K. Mondal, **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. Randi, B. Singh, E. R. Tardiff, Z-M. Wang, J. L. Wood & S. W. Yates, *Indian Journal of Pure & Applied Physics*, Vol. 58, April 2020, pp. 223-227.
- 45) “Structural, Magnetic and Mössbauer Spectroscopic Studies of $[\text{Fe}(\text{3-bpp})_2](\text{CF}_3\text{COO})_2$ Complex: Role of Crystal Packing Leading to An Incomplete Fe(II) High Spin Low Spin Transition”, Sugiyarto, K. H., Onggo, D., Akutsu, H., Reddy, V. R., Sutrisno, H., Nakazawa, Y., **Bhattacharjee, A.**, *Cryst. Eng. Comm.* (2021) 23 2854-2861.
- 46) “CdS Nanoparticles (<5nm): green synthesized using *Termitomyces Heimii* Mushroom - Structural, Optical and Morphological Characterization”, **Tudu, S. C.**, Zubko, M., Kusz, J., **Bhattacharjee, A.**, *Applied Physics A*, (2021) 121 85-93.
- 47) “Thermal synthesis of hematite nanoparticles: structural, magnetic and morphological characterizations”, Dey, A., Zubko, M., Kusz, J., Reddy, V. R., Banerjee, A., **Bhattacharjee, A.**, *Int. J. Nano Dimens.* (2020) 11, 188-198.
- 48) “Structural, morphological and optical characterization of green synthesized ZnS nanoparticles using *Azadirachta Indica* (Neem) leaf extract”, **Tudu, S. C.**, Zubko, M., Kusz, J., **Bhattacharjee, A.**, *Int. J. Nano Dimensions* (2020) 11, 99-111.
- 49) “Protocol-dependent solid state synthesis of different iron oxides using iron(II)acetate: Structural, magnetic and morphological study”, Dey, A., Zubko, M., Kusz, J., Reddy, V. R., **Bhattacharjee, A.**, *Springer Nature: Applied Science*, 2 (2020) 193 (10 pages).
- 50) “On the disc reflection spectroscopy of NS LMXB Serpens X-1: analysis of a recent NuSTAR observation”, **Aditya S. Mondal**, G. C. Dewangan, **B. Raychaudhuri**, *Monthly Notices of the Royal Astronomical Society (MNRAS)* DOI: 10.1093/mnras/staa1001 Volume 494, Issue 3, pp.3177-3185.
- 51) “Evidence of disc reflection in the X-ray spectrum of the neutron star low mass X-ray binary 4U 1636-536”, **Aditya S. Mondal**, **B. Raychaudhuri**, G. C. Dewangan, *Monthly Notices of the Royal Astronomical Society (MNRAS)* DOI: 10.1093/mnras/stab921.

Conference presentation and publication:

- 1) “Effect of linewidth enhancement factor on the second harmonic distortion of a directly modulated and injected Fabry-Perot semiconductor laser”, M. Chakraborty, P. P. Pal and **T. Chattopadhyay**, **2nd IEEE Conference on Applied Signal Processing (ASPCON 2020)**,

Kolkata. 7th-9th Oct 2020, D.O.I.- 10.1109/ASPCON49795.2020.9276675. The paper was presented by our research scholar, P.P. Pal through online mode.

- 2) “Effects of graphene on thermal properties and thermal stability of polycarbonate/graphene nanocomposite”, Md Amir Sohel, Abhijit Mondal, Mohammed Arif P, Sabu Thomas, **Asmita SenGupta**, 26TH International Conference (online) of International Academy of Physical Sciences (CONIAPS XXVI), December 18-20, 2020, Mahatma Gandhi University, Kottayam, Kerala.
- 3) “Crystallization kinetics of PC/PP (80/20) blend nanocomposites”, Abhijit Mondal, Md Amir Sohel, Mohammed Arif P, Sabu Thomas, **Asmita SenGupta**, 26TH International Conference (online) of International Academy of Physical Sciences (CONIAPS XXVI), December 18-20, 2020, Mahatma Gandhi University, Kottayam, Kerala
- 4) “Powering the detector modules with low voltage for Tracker Phase-II in HL-LHC” M. Rahaman, A. Thakur, **S. Roy, M. Maity** and **T.K. Kundu**, XXIV DAE-BRNS Symposium on High Energy Physics held at NISER, Bhubaneswar, India during December 14-18, 2020. Our research scholar, Mr. Masudur Rahaman made the poster presentation at the Symposium.
- 5) “Electromagnetically induced transparency in Y-type atomic system” by Kalan Mal, Khairul Islam, Suman Mondal, Dipankar Bhattacharyya and **Amitava Bandyopadhyay**, Journal of Physics: Conference Series (IOP Publishing) **1579** (2020) 012002, doi:10.1088/1742-6596/1579/1/012002.
- 6) “Atom localization in cascade type system” by Kalan Mal, Suman Mondal, Dipankar Bhattacharyya, and **Amitava Bandyopadhyay**, Journal of Physics: Conference Series (IOP Publishing) **1579** (2020) 012002, doi:10.1088/1742-6596/1579/1/012013.
- 7) "Diameter dependent structural and electronic properties of fused porphyrin nanotubes: a density functional study" by Somnath Chowdhury, Prajna Mukherjee, Monoj Das and **B. C. Gupta**, presented in "Condensed matter Days 2020" held at NIT Silchar, Assam during December 11-13, 2020.

DEPARTMENT OF CHEMISTRY

Departmental Profile

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 90 papers in journals of National and International repute.

Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:

1. Shuvadip Ghosh (CSIR NET, GATE)
2. Santanu Karmakar (CSIR NET, GATE)
3. Pranay Maitra (CSIR NET, GATE)
4. Sabyasachi Mahapatra (CSIR NET)
5. Palash Ghosh (CSIR NET, GATE)
6. Pralay Das (CSIR NET)
7. Siddartha Malo (CSIR NET)
8. Anjali Ganai (CSIR NET)
9. Jaitri Das (CSIR NET, GATE)
10. Debrupa Biswas (CSIR NET)
11. Soumya Konar (NET LS, GATE)
12. Anay Saha (NET LS, GATE)
13. Arnab Roy (NET LS)
14. Ankita Das (NET LS)
15. Chandralekha Hajra (NET LS, GATE)
16. Indranil Maity (GATE)
17. Sumana Roy (GATE)
18. Sudeshna Mandal (GATE)
19. Swagata Choudhury (GATE)
20. Mousumi Majee (GATE)
21. Pranjal Pyne (GATE)

22. Aritri saha (GATE)
23. Ayan Chatterjee (GATE)
24. Keya Pal (GATE)
25. Sanchari Saha (GATE)
26. Arnab Ganai (GATE)
27. Pradipta Das (GATE)
28. Saikat Hazra (GATE)
29. Pooja Daga (SET)

JAM 2020

1. Subham Gupta.
2. Anindita Garai
3. Supriya Das
4. Pranja Paramita Pal
5. Sujan Mandal
6. Sayan Chakravarty
7. Saptarshi Saha
8. Nazia Sultana
9. Alokita Chakraborty

Students' Notable Placement:

| Sl. No | Name | Joining Institute |
|---------------|---------------------------|--|
| 1. | Mr. Sayan Chakravorty | JNCASR, Bangalore for integrated Ph. D. |
| 2. | Mr. Subhajit Mandal | IISc, Bangalore, for Ph. D. |
| 3. | Mr. Shabyasachi Mahapatra | IACS, Jadavpur, for Ph. D. |
| 4. | Mr. Pradipta Das | IACS, Jadavpur for Ph. D. |
| 5. | Mr. Saikat Hazra | IACS, Jadavpur for Ph. D. |
| 6. | Mr. Santanu Karmakar | IICT, Hyderabad for Ph. D. |
| 7. | Mr. Palas Mandal | IICT, Hyderabad for Ph. D. |
| 8. | Mr. Pranay Maitra | IISc Bangalore for Ph. D. |
| 9. | Mr. Smarak Islam Mandal | IISc, Bangalore for Integrated Ph. D. |
| 10. | Mr. Sujan Mandal | IIT Guwahati, for M. Sc. |
| 11. | Mr. Supriya Das | IIT Hyderabad for M. Sc. |
| 12. | Mr. Saptarshi Saha | IIT Kharagpur for M. Sc. |
| 13. | Dr. Surajit Saha | Asansol BC College, Asst. Prof. |
| 14. | Dr. Mukta Singardar | Durgapur Woman College, Asst. Prof. |
| 15. | Dr. Biplab Rajbanshi | Visva-Bharati, Santiniketan, Asst. Prof. |

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|-----|------------------------|---|
| 16. | Dr. Sadhanendu Samanta | R &D, ChemBiotech, Kolkata |
| 17. | Dr. Sachinta Mahato | Postdoc, Metallurgical and Materials Engineering Dept. , IITKGP |
| 18. | Dr. Sujoy Das | Postdoc, Faculty of Chemistry, University of Lodz, Poland |

Departmental Seminar:

11th September, 2020, Dr. Neelanjana Sengupta of IISER, Kolkata delivered a seminar talk through google meet on Biomolecular Phenomena under the “Computational Microscope”

National and International standard Conference/Seminar/Workshop/Exhibition etc.

(a) Teachers attended and presented papers in National and International Conferences

1. 2-6 November, 2020 Pranab Sarkar delivered an invited talk on Quantum Chemistry for Large Systems: A DFTB and NAMD-DFTB Exploration in the international E-workshop on Electronic Structure Theory and Applications to Chemical Systems organized by Dept. of Chemistry, National Institute of Technology, Trichy.
2. 16-20 November, 2020, Prof. Pranab Sarkar delivered an invited talk on In Silico design of Functional Materials in the International Webinar on “Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2020)” organized by Ural Federal University, Yekaterinburg. Russia.
3. 31 August, 2020, Prof. Goutam Brahmachari Chaired a session in the International Webinar Seminar “Green Chemistry: Through original research” at the Indus International University, Himachal Pradesh, India.
4. 12 August, 2020, Prof. Adinath Majee delivered an invited talk on Green Approach of Some Important Reactions in Organic Synthesis in Virtual Value Added Course on “Green Chemistry: Through Original Research” organized by Department of Chemistry, Indus International University, Una, Himachal Pradesh.
5. 16-20 November, 2020, Prof. Adinath Majee delivered an invited talk on Our Journey with Aziridine, Azirine and 4-hydroxycoumarin in the International Webinar on “Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2020)” organized by Ural Federal University, Yekaterinburg. Russia.
6. 22-24 August, 2020, Dr. Alakananda Hajra delivered an invited talk on Visible light mediated synthesis and functionalization of imidazo heterocycles in the International Webinar on New Horizons in Chemistry (IWNHC 2020) organized by Dept of Chemistry, Bankura University during 22-24 August, 2020.

7. 1st October, 2020, Dr. Alakananda Hajra delivered an invited talk on Design, Synthesis and Functionalization of Imidazoheterocycles in the International Webinar Frontiers in Chemistry organized by Dept of Chemistry, North Bengal University.
8. 6-10 November, 2020, Dr. Alakananda Hajra delivered an invited talk on Design, Synthesis and Functionalization of Imidazoheterocycles in Webinar entitled “Concepts in Organic & Medicinal Chemistry” organized by Dept. of Chemistry, National Institute of Technology, Manipur.
9. 16-20 November, 2020, Dr. Alakananda Hajra delivered an invited talk on Regioselective C–H Functionalization of Indazoles and Imidazopyridines in the International Webinar on “Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2020)” organized by Ural University, Yekaterinburg, Russia.
10. 27-29 December, 2020, Dr. Alakananda Hajra delivered an invited talk on Regioselective C–H Functionalization of Indazoles and Imidazopyridines in International Webinar on 57th Annual Convention of Chemists (ACC) by Indian Chemical Society (ICS) in IISER, Kolkata.
11. 8-9 January, 2021, Dr. Alakananda Hajra delivered an invited talk on Regioselective C–H Functionalization of Indazoles and Imidazopyridines in International Webinar on “The Present and Future of Excellence in Organic Synthesis (PFEOS-2021)” by Department of Chemical Sciences, Tezpur University, Tezpur.
12. 16-31 March, 2021, Dr. Alakananda Hajra delivered an invited talk on Photo, Synthesis and Chemistry in the Refresher Course in Chemistry (Theme: *Recent Advances in Chemistry*) as a Resource Person organized by HRDC, Calcutta University.
13. 20 October, 2020, Dr. Kartick Chandra Bhowmick has participated in the one day National Webinar entitled “Trends in Nanotechnology” organized by Research and Development Cell, Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India.
14. 5 January, 2021, Dr. Kartick Chandra Bhowmick has participated in the one day National Webinar entitled “Innovative Waste Management Technologies” organized by Department of Basic Science and Humanities (Chemistry), Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India.

Ongoing Research Projects in the Department:

1. 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: 3 Years (2017-2020)

Chapter-2

2. 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: 3 Years (2017-2020)
3. Name of Teacher: Prof. Pranesh Chowdhury
Name of the project: Natural polymer-g-co/ter-polymer interpenetrating polymer network hydrogels for drug delivery applications: synthesis and characterization
Funding Agencies: UGC, New Delhi
Amount Sanctioned: 6.21 Lakhs
Duration of the project: 3 years (2018-2021)
4. Name of Teacher: Prof. Pranesh Chowdhury
Name of the project: Water-soluble fluorescent polymer: Synthesis, characterization and bio-analytical application
Funding Agencies: SERB, New Delhi
Amount Sanctioned: 9.60 L
Duration of the project: 3 years (2018-2021)
5. Name of Teacher: Prof. Swapan K. Chandra
Name of the project: *“Exploring Flexible Chelates as Platform for Multimetallic Compounds: A Detailed Investigation on their Synthesis, Characterization and Applications as Chemo- and Bio-Sensors”*.
Sponsoring Agencies: CSIR, New Delhi
Amount sanctioned: Approx. Rupees 6 Lakhs
Duration of the project: 3 years (2019-2022)
6. Name of the teacher: Prof. Pranab Sarkar
Name of the Project: Electronic Structure and Transport properties of Inorganic-Organic Nanocomposites
Sponsoring Agencies: BRNS, DAE, Mumbai.
Amount Sanctioned: 30 L
Duration of the project: 3 years (2018-2021)

7. Name of the Teacher: Naznin Ara Begum
Name of the Project: Unfolding the role of small molecule based fluorescent antioxidants towards the misfolding of amyloid proteins: A study to detect and inhibit amyloid aggregations
Sponsoring Agencies: Dept. of Science & Technology and Biotechnology, Govt. of West Bengal
Amount Sanctioned: Rs. 4,30,000/-
Duration of the Project: 3 Years (2021-2024)

8. Name of the teacher: Prof. Adinath Majee
Name of the Project: "Preparation and Application of Imidazolium Based Zwitterion and Ionic Liquid as Organocatalyst in Organic Synthesis with Special Emphasis on Epoxide and Aziridine Chemistry in Green Aspects"
Sponsored Agency: CSIR, Govt. of India Ref. No. 02(0383)/19/EMR-II dated 20-05-2019
Amount Sanctioned: Rs. 26,00,000/-
Duration of the project: 3 years (2019-2022)

9. Name of the teacher: Dr. Alakananda Hajra
Name of the Project: Dioxygen-Triggered Radical-based Oxidative Difunctionalization
Agencies: SERB, DST
Amount Sanctioned: 46 L
Duration of the project: 3 years (2020-23)

10. 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 years (2017-20)

11. Name of the Teacher: Dr. Bula Singh
Name of the Project: Metal-Drug complexes: synthesis, characterization and application, an integral approach
Sponsoring Agency: DST, New Delhi
Amount sanctioned : 18 L
Duration of the Project: 3 years (2019-2022)

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12. Name of the teacher: Dr. Biswajit Dey

Name of the Project: Exploration of different applications of functional supramolecular metal-organic crystals and gel materials

Sponsoring Agencies: DST, WB

Amount Sanctioned: 3 L

Duration of the project: 3 years (2020-2023)

13. Name of the teacher: Dr. Prithidipa Sahoo

Name of the Project: "Water soluble Fluorescent Chemosensors: Design, Synthesis and exploration of their Biological Application for Specific Recognition with Purine, Pyrimidine Derivatives and Nucleotides"

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 22 L

Duration of the project: 3 years (2017-2020)

Extension activities/NSS/Cultural and other activities organized by the department and participated by the teachers and students of the department.

Because of COVID situation there was no departmental 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.)

Prof. Goutam Brahmachari has been "Featured in World Ranking of Top 2% Scientists from India" in Organic Chemistry Section – 2020

Elsevier Editor for the Book Series '*Natural product Drug Discovery*'

Prof. Goutam Brahmachari has been continuing as

Associate Editor, *Current Green Chemistry*

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)

Who's Who in the World-2020 Listee (Marquis, USA)

Prof. P. Chowdhury, Member, Editorial Advisory Board, Journal of Polymer Materials (2016 to till date)

Publications :

(i) Books

- 1) Fundamental Concepts of Inorganic Chemistry, Volume 1, **Das, Asim K.**, Das, M. and Das, A., CBS Publishers & Distributors, New Delhi 110002, (2020), 3rd Edition, ISBN: 978 93 89565-97-3.
- 2) Fundamental Concepts of Inorganic Chemistry, Volume 2, **Das, Asim K.**, Das, M. and Das, A., CBS Publishers & Distributors, New Delhi 110002, (2021), 3rd Edition, ISBN: 978 93 89688 02 3.
- 3) Bioinorganic Chemistry **Das, Asim K.**, Das, M. and Das, A., Books & Allied, Kolkata, (2020), 2nd Edition, ISBN: 978 8194 698210.
- 4) Green Synthetic Approaches for Biologically Relevant Heterocycles: Advanced Synthetic Techniques – Volume 1, 2nd edition, **Brahmachari, Goutam** (Editor) , Elsevier Inc., Waltham, MA, USA, 2021 (ISBN: 978-0-12-820586-0).
- 5) Green Synthetic Approaches for Biologically Relevant Heterocycles: Green Catalytic Systems and Solvents – Volume 2, 2nd edition, **Brahmachari, Goutam** (Editor), Elsevier Inc., Waltham, MA, USA, 2021 (ISBN: 978-0-12-820792-5).

(ii) Book Chapters

- 1) Green Synthetic Approaches for Biologically Relevant Heterocycles: Advanced Synthetic Techniques – an Overview, **Brahmachari, Goutam (2021)**, Ch-1 In: *Green Synthetic Approaches for Biologically Relevant Heterocycles, Vol. 1: Advanced Synthetic Techniques*, Brahmachari, Goutam (Editor), Elsevier Inc., Waltham, MA, USA, 2014 (ISBN: 978-0-12-820586-0), pp.1-8.
- 2) Self-catalytic techniques for the synthesis of biologically relevant heterocyclic scaffolds at room temperature: a recent update, **Brahmachari, Goutam (2021)**, Ch-16 In: *Green Synthetic Approaches for Biologically Relevant Heterocycles, Vol. 1: Advanced Synthetic Techniques*, Brahmachari, Goutam (Editor), Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-820586-0), pp. 563-587.
- 3) Green Synthetic Approaches for Biologically Relevant Heterocycles: green catalytic systems and solvents – an Overview, **Brahmachari, Goutam (2021)**, Ch-1 In: *Green Synthetic Approaches for Biologically Relevant Heterocycles, Vol. 2: Green Catalytic*

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Systems and Solvents, Brahmachari, Goutam (Editor), Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 2021 (ISBN: 978-0-12-820792-5), pp.1-9.

- 4) Green synthetic approaches for biologically relevant 2-amino-4*H*-pyrans and 2-amino-4*H*-pyran-annulated heterocycles in aqueous media, **Brahmachari, Goutam (2021)**, Ch-11 In: *Green Synthetic Approaches for Biologically Relevant Heterocycles, Vol. 2: Green Catalytic Systems and Solvents*, Goutam Brahmachari (Editor), Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-820792-5), pp. 471-504.

(iv) Research papers in peer reviewed journals (National and International).

- 1) Unified approach to stochastic thermodynamics: Application to a quantum heat engine, Das, J., Biswas, LRR, **Bag, B. C.**, Physical Review E, 2020, 102 (4), 042138.
- 2) Exploring noise-effect on the intraband transition lifetime of impurity doped quantum dots, Arif, S. M., Bera, A., Ghosh, A., **Ghosh.M.**, Biointerface Research in Applied Chemistry, 2021, 11 (2), 8639-8653.
- 3) Exploring quadrupole oscillator strength of impurity doped quantum dots controlled by Gaussian white noise, Bera, A., Ghosh, A., Arif, S. M., **Ghosh.M.**, The European Physical Journal, D, 2020, 74 (12), 1-8.
- 4) Transition kinetics of impurity doped quantum dots driven by sinusoidal field: Role of Gaussian white noise, Arif, S. M., Bera, A., Ghosh, A., **Ghosh.M.**, Chinese Journal of Physics, 2020, 66, 112-123.
- 5) Profiles of static quadrupole polarizability of impurity doped quantum dots driven by Gaussian white noise, Ghosh, A., Arif, S. M., Bera, A., **Ghosh, M.**, Physica Status Solidi B, 2020, 257, 1900766.
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Designing New Course/Curriculum or any other teaching innovations introduced by the department.

We have designed and introduced new syllabus in M. Sc.

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.

The Department of Chemistry since its inception has the vision of making the department, a leading centre of chemistry teaching and research in the country. The Dept. has got generous support from UGC through UGC SAP and from DST through DST-FIST program. We have finished FIST Level 0 and Level 1 program and has got the support at FIST level 2. Considering the expertise of the faculty members the Dept. has identified the thrust area

"Nanomaterials for the betterment of environment and human health" in the following years.

Apart from this we will be actively involved in the development of synthetic methodologies for functional organic molecules, polymers etc. There are also researches on different aspects of non-equilibrium statistical mechanics and quantum chemistry.

Any other relevant information

Faculty members work hard to prepare the NAAC documents.

DEPARTMENT OF MATHEMATICS

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

| Serial no. | Registration no./Roll no. for the exam | Name(s) of student(s) selected/qualified | |
|------------|--|--|------------------|
| | | NET | GATE |
| 1 | JH01600327 | GOURAV MANDAL | |
| 2 | WB06600831 | SUBHANKAR GHOSH | |
| 3 | WB02601336 | SUMAN PAL | |
| 4 | WB02601696 | LOKENATH THAKUR | |
| 5 | WB01600660 | SAGAR KARMAKAR | |
| 6 | WB06600829 | SUBARNA ROY | |
| 7 | WB02600551 | SHANKHA NARAYAN CHATTOPADHYAY | |
| 8 | WB02600459 | SARBARI KARMAKAR | |
| 9 | WB02600778 | SANOWAR AHASAN | |
| 10 | WB02600462 | PRIYOTOSH SIL | |
| 11 | WB02601344 | BIKRAM PAL | |
| 12 | WB06600831 | SHUBHANKAR GHOSH | |
| 13 | WB02600488 | MADHUMITA MONDAL | |
| 14 | WB02600777 | SUBHODIP GHOSH | |
| 15 | WB02600788 | SOURAV ROY | |
| 16 | WB10606087 | PRIYA DEY | |
| 17 | MA21S54004381 | | INDRANI ZAMINDAR |
| 18 | MA21S54008198 | | GOURAV MANDAL |
| 19 | MA21S54027141 | | SUSHMITA SARKAR |
| 20 | MA21S56035276 | | KRISHNENDU NAYAK |

| | | | |
|----|-----------------|--|----------------------------------|
| 21 | MA21S54004025 | | BIPLAB CHATTERJEE |
| 22 | MA21S56040114 | | SUBHANKAR GHOSH |
| 23 | MA21S54011021 | | SUMAN PAL |
| 24 | MA21S54009138 | | LOKENATH THAKUR |
| 25 | MA21S54004169 | | SAGAR KARMAKAR |
| 26 | MA21S56027272 | | SUBARNA ROY |
| 27 | MA21S54010001 | | SANOWAR AHASAN |
| 28 | MA21S54004049 | | RIYA DEY |
| 29 | MA21S54009086 | | SHANKHA NARAYAN CHATTOPADHYAY |
| 30 | MA21S54009106 | | SARBARI KARMAKAR |
| 31 | MA21S54008174 | | SANJOY KUMAR MAHATO |
| 32 | MA21S56035276 | | KRISHNENDU NAYAK |
| 33 | MA21S54027141 | | SUSHMITA SARKAR |
| 34 | MA21S54009194 | | PRIYOTOSH SIL |
| 35 | MA21S54009098 | | BIKRAM PAL |
| 36 | MA21S54009206 | | MADHUMITA MONDAL |
| 37 | MA21S54010081 | | VIVEK BARAN MONDAL |
| 38 | 26MA21S54009026 | | SOMNATH GHOSH |
| 39 | MA21S54011031 | | SUBHODIP GHOSH |
| 40 | MA21S54009146 | | BIKASH KUMAR RAMANI |
| 41 | MA21S54009193 | | SOURAV ROY |
| 42 | MA21S54011049 | | PAYEL BAG |
| 43 | MA21S54010027 | | DOYEL BAG |

National and International standard Conference /Seminar /Workshop/ Exhibition etc.:

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

- 1) **03.09.2020--11.09.2020.** A. P. Misra deliver an invited lecture in the Scholars Colloquium on Plasma Physics organized by Physics Joint, Kolkata-700 032, India. Title of presentation “Generation of wakefields and electromagnetic solitons in degenerate plasmas”.
- 2) **14.09.2020--15.09.2020.** A. P. Misra delivered an invited lecture in the Internal Conference on Plasma Theory and Simulations organized by the Department of Pure and

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Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilashpur, India. Title of presentation “Landau damping due to multi-plasmon resonances in a degenerate plasma”.

Ongoing Research Projects in the Department

Name of the Teacher: Amar Prasad Misra

Name of the Project: Electromagnetic solitons and nonlinear Landau damping in plasmas

Sponsoring Agencies: Science and Engineering Research Board (SERB)

Amount Sanctioned: 19,14,948.00 (INR)

Research Papers.(Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals

Individual Publication: a) Single author b) Joint authors (of the same Department)

1. “Optical surface plasmons at a metal-crystal interface with the Drude-Lorentz model for material permittivity”, **A. P. Misra**, M. Shahmansouri and N. Khoddam, *Physica Scripta*, Vol. 96, pp. 015601 [8 pages], 2021. ISSN: 1402-4896 (Online).
2. “Stability and evolution of electromagnetic solitons in relativistic degenerate laser plasmas”, **S. Roy** and **A. P. Misra**, *Journal of Plasma Physics*, Vol. 86, pp. 905860611 [15 pages], 2020. ISSN: 1469-7807 (Online).
3. “Large amplitude electromagnetic solitons in a fully relativistic magnetized electron-positron-pair plasma”, **G. Banerjee**, S. Dutta and **A. P. Misra**, *Advances in Space Research* Vol. 66, pp. 2265-2273, 2020. ISSN: 0273-1177.
4. “Cross-diffusion-driven pattern formation and selection in a modified Leslie-Gower predator-prey model with fear effect”, Renji Han, **Lakshmi Narayan Guin** and Binxiang Dai, *Journal of Biological Systems (JBS), World Scientific*, Vol. 28, No. 1, pp. 1-38, 2020, ISSN: 0218-3390.
5. “Pattern dynamics of a reaction-diffusion predator-prey system with both refuge and harvesting”, **Lakshmi Narayan Guin**, Sudipta Pal, Santabrata Chakravarty and Salih Djilali, *International Journal of Biomathematics (IJB), World Scientific*, Vol. 14, No. 1, pp. 2050084 (29 pages), 2021, ISSN: 1793-5245.
6. “Dynamical analysis of a Beddington-DeAngelis interacting species system with harvesting”, **Lakshmi Narayan Guin**, Reeta Murmu, Hunki Baek and **Kyoung-Hwan Kim**, *Mathematical Problems in Engineering (MPE), Hindawi*, Vol. 2020, Article ID 7596394, 22 pages, 2020, ISSN: 1024-123X, 1563-5147 (<https://doi.org/10.1155/2020/7596394>).

7. “Dynamical Behaviour of a Mathematical Model of Early Atherosclerosis”, Debasmita Mukherjee, **Lakshmi Narayan Guin** and Santabrata Chakravarty, *International Journal of Modeling, Simulation and Scientific Computing, World Scientific*, Vol. 11, No. 01, pp. 2050006 (23 pages), 2020, ISSN: 1793-9623.
8. “**Stability Analysis of Mathematical Modeling of Atherosclerotic Plaque Formation**”, Debasmita Mukherjee, **Lakshmi Narayan Guin** and Santabrata Chakravarty, *Journal of Applied Nonlinear Dynamics (JAND), L & H Scientific Publishing, LLC*, Vol. 9, No. 3, pp. 361-389, 2020, ISSN: 2164-6457.
9. “Pattern formation scenario via Turing instability in interacting reaction-diffusion systems with both refuge and nonlinear harvesting”, **Lakshmi Narayan Guin**, Esita Das and Muniyagounder Sambath, *Journal of Applied Nonlinear Dynamics (JAND), L & H Scientific Publishing, LLC*, Vol. 9, No. 1, pp. 1-21, 2020, ISSN: 2164-6457.
10. “Dynamic Response of Evolved Atherosclerotic Plaque Model and its Stability”, Debasmita Mukherjee, **Lakshmi Narayan Guin** and Santabrata Chakravarty, *International Journal of Ecological Economics & Statistics (IJEES), Ceser Publications*, Vol. 41, No. 1, pp. 16-46, 2020, ISSN: 0973-7537.
11. “Effect of prey refuge in a tri-trophic food chain model with Monod-Haldane type response function”, **Lakshmi Narayan Guin**, Sk. Mosaraf Ahammed and Muniyagounder Sambath, *International Journal of Ecological Economics & Statistics (IJEES), Ceser Publications*, Vol. 41, No. 4, pp. 30-44, 2020, ISSN: 0973-7537.
12. “Qualitative analysis of an interacting species model with Beddington-DeAngelis functional response”, Krishnendu Sarkar, Nijamuddin Ali, Benukar Mondal and **Lakshmi Narayan Guin**, *International Journal of Engineering and Future Technology, Ceser Publications*, Vol. 18, No. 2, 2021, ISSN 2455-6432.
13. “Fear effect in a tri-trophic food chain model with Holling type IV functional response”, Krishnendu Sarkar, Nijamuddin Ali and **Lakshmi Narayan Guin**, *Journal of Environmental Accounting and Management (JEAM), L & H Scientific Publishing, LLC*, Vol. 9, No. 3, pp. 237-255, 2021, ISSN: 2325-6192.
14. “The effects of unequal diffusion coefficients on spatiotemporal pattern formation in prey harvested reaction-diffusion systems”, **Lakshmi Narayan Guin**, *International Conference on Mathematical Analysis and Application in Modelling (ICMAAM 2018)*, pp. 279-292, 2020, Springer Proceedings, ISBN: 9789811504211; Chapter DOI.: 10.1007/978-981-15-0422-8_24.
15. “Studies on Atherosclerotic Plaque Formation: A Mathematical Approach”, Debasmita Mukherjee, **Lakshmi Narayan Guin** and Santabrata Chakravarty, *International Conference on Mathematical Analysis and Application in Modelling (ICMAAM*

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- 2018), pp. 307-318, 2020, Springer Proceedings, ISBN: 9789811504211; Chapter DOI.: 10.1007/978-981-15-0422-8_26.
16. "Cooperation delay induced chaos in an ecological system", Saheb Pal, Mainul Hossain, Pijush Panday, N. C. Pati, **Nikhil Pal**, and Joydev Chattopadhyay, *Chaos: An Interdisciplinary Journal of Nonlinear Science (American Institute of Physics)* Vol. 30, pp. 083124, <https://doi.org/10.1063/5.0012880>.
 17. "Bifurcations and organized structures in a predator-prey model with hunting cooperation", N. C. Pati, G. C. Layek, and **Nikhil Pal**, *Chaos, Solitons & Fractals (Elsevier)* Vol. 140, pp.110184, <https://doi.org/10.1016/j.chaos.2020.110184>.
 18. "Dynamics of a discrete-time system with Z-type control", Shilpa Garai, Moumita Garain, Sudip Samanta, and **Nikhil Pal**, *Zeitschrift für Naturforschung A (DE GRUYTER)* Vol. 75, no. 7, pp. 609-620, <https://doi.org/10.1515/zna-2020-0059>.
 19. "Impact of fear on an eco-epidemiological model", Mainul Hossain, **Nikhil Pal**, and Sudip Samanta, *Chaos, Solitons & Fractals (Elsevier)* Vol. 134, pp. 109718, <https://doi.org/10.1016/j.chaos.2020.109718>.
 20. "Microwave assisted gain in inverted-Y type atomic system", Suman Mondal, Kalan Mal, Dipankar Bhattacharya, **Nikhil Pal**, and Amitava Bandyopadhyay, *Optik (Elsevier)* Vol. 226, no. 2, pp.165962. <https://doi.org/10.1016/j.ijleo.2020.165962>.
 21. "Fear induced stabilization in an intraguild predation model", Mainul Hossain, **Nikhil Pal**, Sudip Samanta, and Joydev Chattopadhyay, *International Journal of Bifurcation and Chaos (World Scientific)* Vol. 30, no. 4, pp. 2050053, <https://doi.org/10.1142/S0218127420500534>.
 22. "Entropy and heat transfer analysis of EMHD flow with temperature-dependent properties," A. Mondal, **P. K. Mandal**, B. Weigand and A. Nayak, *Fluid Dynamics Research*, Vol. 52, pp. 065503, 2020.
 23. "Schauder-Type Fixed point theorem in Generalized Fuzzy Normed Linear Spaces", S. Chatterjee, **T. Bag**, J. G. Lee, *Mathematics (MDPI)*, Vol. 8 (10), 1643(1-18), 2020.
 24. "Some properties of fuzzy inner product spaces", S. Ghoshal, **T. Bag**, *Bull. Cal. Math. Soc.*, Vol. 112 (4), 283-304, 2020.
 25. "Uniform boundedness principle in generalized fuzzy normed linear spaces", S. Chatterjee, **T. Bag**, S.K. Samanta, *Afrika Matematika*, Vol. 32, 167-184, 2021.
 26. "Growth of a class of iteration of k-entire functions", **Dibyendu Banerjee** and Sumanta Ghosh, *Asian Journal of Mathematics and Applications* Vol- 2020, 14 pages, 2020.
 27. "Maximum Modulus and maximum term of Generalized iteration of n Entire functions", **Dibyendu Banerjee** and Simul Sarkar, *Asian Journal of Mathematics and Applications*, Vol- 2021, 11 pages, 2021.
 28. "Propagation of dust-ion-acoustic solitary waves for damped modified Kadomtsev–

- Petviashvili–Burgers equation in dusty plasma with a q-nonextensive nonthermal electron velocity distribution”, S. Raut, K. K. Mondal, **P. Chatterjee** *et al. SeMA Journal*, 2021. <https://doi.org/10.1007/s40324-021-00242-5>.
29. “Average conservative chaos in quantum dusty plasmas”, A. G. Lopez, R. Ali, L. Mandai and **P. Chatterjee**, *Chaos*, Vol. 31, pp. 013104, 2021.
 30. “A theory of approximate reasoning with type-2 Fuzzy set”, *Sudin Mandal, Injamam Ul Karim, Swapan Raha, Journal of the Indonesian Mathematical Society*, Vol. 27, pp. 9-22, 2021.
 31. “On soft Lebegue measure”, S. Goldar and **S. Ray**, *Preprints 2020*, 2020100374 (doi: 10.20944/preprints202010.0374.v1).
 32. “Entropy generation in nanofluid flow due to double diffusive MHD mixed convection”, P. Mondal, **T. Ray Mahapatra** and R. Parveen, *Heliyon*, Vol. 7, pp. E06143, 2021.
 33. “Minimization of entropy generation due to MHD double diffusive mixed convection in a lid driven trapezoidal cavity with various aspect ratios”, P. Mondal, **T. Ray Mahapatra**, *Nonlinear Analysis: Modelling and Control*, Vol. 25, pp. 545–563, 2020.
 34. “Nil extensions of simple regular ordered semigroups”, **A. K. Bhuniya, K. Hansda**, *Asian-European Journal of Mathematics*, Vol. 14, pp. 2150044, 2021.
 35. “Factor rank preservers of matrices over additively-idempotent multiplicatively-cancellative semirings”, S. Maity, **A. K. Bhuniya**, *Asian-European Journal of Mathematics*, pp. 2150072, 2020. <https://doi.org/10.1142/S1793557121500728>.
 36. “Soret-Dufour magneto-thermal radiative convective heat and mass transfer of chemically and thermally stratified micropolar fluid over a vertical stretching/shrinking surface in a porous medium”, **D. Pal** and B. C. Das, *International Journal for Computational Methods in Engineering Science and Mechanics*, pp. 1-15, 2021. <https://doi.org/10.1080/15502287.2021.1889073>.
 37. “Analysis of unsteady magnetohydrodynamic radiative thin liquid film flow, heat and mass transfer over a stretching sheet with variable viscosity and thermal conductivity”, **D. Pal** and P. Saha, *International Journal for Computational Methods in Engineering Science and Mechanics*, pp. 1-10, 2021. <https://doi.org/10.1080/15502287.2021.1887406>.
 38. “Magnetohydrodynamic stagnation-point flow of Sisko nanofluid over a stretching sheet with suction”, **D. Pal** and G. Mandal, *Population and Power Research*, Vol. 9, pp. 408-422, 2020.
 39. “Gyrotactic mixed bioconvection flow of a nanofluid over a stretching wedge embedded in a porous media in the presence of binary chemical reaction and activation energy” S. K. Mondal and **D. Pal**, *International Journal of Ambient Energy*, pp. 1-11, 2020. <https://doi.org/10.1080/01430750.2020.1814860>.
 40. “Influence of magneto-thermo radiation on heat transfer of a thin nanofluid film with non-

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- uniform heat source/sink”, **D. Pal**, D. Chatterjee and K. Vajravelu, *Propulsion and Power Research*, Vol. 9, pp. 169-180, 2020.
41. “Mathematical analysis for Brownian motion of nonlinear thermal bioconvective stagnation point flow in a nanofluid using DTM and RKF method”, S. K. Mondal and **D. Pal**, *Journal of Computational Design and Engineering*, Vol. 7, pp. 294-307, 2020.
 42. “Computational analysis of bioconvective flow of nanofluid containing gyrotactic microorganisms over a nonlinear stretching sheet with variable viscosity using HAM”, S. K. Mondal and **D. Pal**, *Journal of Computational Design and Engineering*, Vol. 7, 251-267, 2020.
 43. “Heat and mass transfer of a non-Newtonian Jeffrey nanofluid over an extrusion stretching sheet with thermal radiation and non-uniform heat source/sink”, **D. Pal and G. Mandal**, *Computational Thermal Sciences: An International Journal* (Begell House), vol 12(2), pages 163-178, 2020, DOI: 10.1615/ComputThermalScien.2020025241.
 44. “Influence of magneto-thermo radiation on heat transfer of a thin nanofluid film with non-uniform heat source/sink”, **D. Pal and D. Chatterjee**, *Propulsion and Power Research*, 9 (2), 169-180, 2020 (Elsevier Journal).

A brief history on the development of the 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 B. A./B. Sc. (Honours) in Mathematics. Subsequently in 1963, two-year M. A./M. Sc. course in Mathematics was started in the department along with the regular Ph. D. programme.

Currently, the faculty members are engaged in the following areas of research (not limited): (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 (l) Nonlinear Dynamics (m) Chaos based Cryptography and networking (n) Symmetry and Painleve Analysis of differential equations, (o) Artificial Intelligence, (p) Quantum Scattering Theory, (q) Wavelet based Numerical Analysis (r) Nonlinear Differential Equations.

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 (UGC) has brought the Department of Mathematics under its Special Assistance Programme (SAP) – DRS (Phase – III). The latter has been terminated in 2020.

Since its inception in 1961, the department has more than three thousand alumni. They are a key stake-holder in the evolution and growth of the Department. We plan to initiate a

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lifelong involvement with all students who will continue to be a part of Visva-Bharati community even after their graduation. The department, on the other hand, welcome alumni visit to their department, interaction with students and faculty and possible participation in academic activities of the department.

DEPARTMENT OF ZOOLOGY

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

NET qualified: 08

1. Alapan Maity
2. Arpita Das
3. Pratiti Bakshi
4. Sanoj Kumbhakar
5. Soumen Kundu
6. Srijanee Mitra
7. Anirban Kundu
8. Sambuddha Banerjee

SET qualified: 02

1. Anirban Kundu
2. Sambuddha Banerjee

GATE qualified: 10

1. Alapan Maity
2. Pratiti Bakshi
3. Shreya Mishra
4. Soumen Kundu
5. Soumyadip Pal
6. Tanmay Dey Sarkar
7. Anirban Kundu
8. Oindrila Mukherjee
9. Olivia Sarkar
10. Sambuddha Banerjee

Only National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Santanu Ray

1. 28.07.2020. Delivered lecture in the International Webinar on the Eve of World Nature Conservation Day organized by the Guskara Mahavidyalaya, West Bengal. Title of presentation "Systems Ecology and its future perspective".

2. 28.11.2020. Delivered lecture in the Refresher Course on Research Methodology through Google Meet organized by the North Bengal University, West Bengal. Title of presentation “Systems Ecology: On the Perspective of Dynamic Modelling”.
3. 01.12.2020. Delivered lecture in the Refresher Course in Natural and Biosciences through Google Meet organized by the University of Burdwan, West Bengal. Title of presentation “The future perspective of system ecology”.
4. 20.12.2020. Delivered lecture in the International Webinar Lecture Series of Progress and Prospects in Biology organized by the University of Calcutta, West Bengal. Title of presentation “Different perspectives of systems ecology with case studies”.
5. 11.02.2021. Delivered lecture in the Refresher Course in Environmental Sciences through Google Meet organized by the University of Burdwan, West Bengal. Title of presentation “Ecological footprint and ecosystem services”.

Sudipta Maitra

24.03.2021 – 26.03.2021. Chaired in the International Seminar entitled “Regulatory Mechanisms underlying Behavior, Physiology and Development” organized by the Department of Zoology, University of Delhi.

Presentation by Ph.D. Scholars

Soumyajyoti Ghosh, UGC-JRF

24.03.2021 – 26.03.2021. Presented a poster in the International Seminar entitled “Regulatory Mechanisms underlying Behavior, Physiology and Development” organized by the Department of Zoology, University of Delhi. Title of presentation “Bisphenol A (BPA) Exposure Modulates Ovarian Nos/NO/sGC and Nppc/Npr2 Signaling Cascades in Zebrafish (*Danio rerio*)”.

Sriparna Das, UGC-NET (LS)

24.03.2021–26.03.2021. Presented a poster in the International Seminar entitled “Regulatory Mechanisms underlying Behavior, Physiology and Development” organized by the Department of Zoology, University of Delhi. Title of presentation “Potential Influence of Estrogen on Oxidative and Nitrosative Outburst in Macrophages”.

Rakesh Kundu

- 1) 20.06.2020. Delivered lecture in the International Webinar organized by the Asansol Girls’ College, Asansol, West Bengal. Title of presentation “Nexus of Covid-19 and Diabetes Pandemic”.

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- 2) 10.07.2020. Delivered lecture in the Webinar organized by the Department of Zoology, Rabindra Mahavidyalaya, Champadanga, Hooghly, West Bengal. Title of presentation “Prevention and management of Covid-19 among patients with Diabetes”.
- 3) 07.08.2020 – 08.08.2020. Delivered lecture in the Webinar organized by the Department of Zoology, Kalna College, West Bengal. Title of presentation “Prevention and treatment options of Covid-19 among Diabetic subjects”.
- 4) 03.10.2020. Delivered lecture in the Webinar organized by the Prabhat Kumar College, Contai, West Bengal. Title of presentation “Prevention and treatment options of Covid-19 patients with co-morbid conditions”.
- 5) 09.02.2021. Delivered lecture in the Workshop organized by the Department of Zoology, Krishna Chandra College, Hetampur, Birbhum. Title of presentation “Cell culture techniques and protein expression analysis”.

Ongoing Research Projects in the Department

1. **Name of the Teacher:** Sudipta Maitra (PI); Ansuman Chattopadhyay (Co-PI), Sutapa Mukherjee (Co-PI) in collaboration with Central Institute of Freshwater Aquaculture (ICAR-CIFA), Bhubaneswar and Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore, West Bengal
Name of the Project: ‘Assessment of endocrine disruption in fish reproduction’
Sponsoring Agencies: Department of Biotechnology (DBT), Govt. of India (BT/PR28560/AAQ/3/919/2018)
Amount Sanctioned: Visva-Bharati component: Rupees 1,01,60,640/-
2. **Name of the Teacher:** Surjya Kumar Saikia (PI)
Name of the Project: ‘To investigate whether regulation of muscle mitochondria function is associated with the growth in cultivable fish’
Sponsoring Agencies: Department of Biotechnology (DBT), New Delhi
Amount Sanctioned: Rupees 47,30,600/-
3. **Name of the Teacher:** Surjya Kumar Saikia (CI); Samir Bhattacharya (CC-PI)
Name of the Project: ‘To elucidate the unique biochemical adaptational strategies that allow two air-breathing catfishes (*Clarias batrachus* and *Heteropneustes fossilis*) to survive in ammonia enriched toxic waste’
Sponsoring Agencies: National Agricultural Research Fund, New Delhi
Amount Sanctioned: Rupees 59,08,050/-

4. **Name of the Teacher:** Surjya Kumar Saikia (PI)
Name of the Project: 'To elucidate whether chemoattractants stimulate feeding in Indian major carps to accelerate their growth'
Sponsoring Agencies: Science and Engineering Research Board (SERB), New Delhi
Amount Sanctioned: Rupees 32,07,120/-

5. **Name of the Teacher:** Rakesh Kundu (PI)
Name of the Project: 'To investigate the role of fetuin-A in lipotoxicity induced beta-cell dysfunction and inflammatory injury to the pancreatic islets'
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Ref. No. ECR/2017/001028)
Amount Sanctioned: Rupees 42,10,186/-

6. **Name of the Teacher:** Sutapa Mukherjee (PI)
Name of the Project: 'To elucidate the mechanisms regulating testicular germ cell apoptosis in high fat diet induced obesity leading to insulin resistance'
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Ref. No. ECR/2017/002470)
Amount Sanctioned: Rupees 39,32,439/-

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

The Department celebrated 'Gandhi Punyaha' in true spirit on March 10, 2021.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Santanu Ray:

- i) **Editor in Journals:-**
 - a) Associate editor of the journal - *Ecological Modelling - An International Journal on Ecological Modelling and system ecology* published by ELSEVIER, Netherlands (from January, 2009 to continue) (<http://www.journals.elsevier.com/ecological-modelling/editorial-board/>)
 - b) Associate editor of the journal - *Energy Ecology and Environment* -published by SPRINGER (from November, 2015 to date) (<http://www.springer.com/energy/journal/40974?detailsPage=editorialBoard>)

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- c) Section Editor of the section Ecosystem and System Ecology of *Encyclopedia of Ecology 2nd Edition* –published by Oxford ELSEVIER
- ii) **Member of the Editorial Board of International Journals:**
 - a) *Ecological Informatics* – published by ELSEVIER, Netherlands ((First and only member from India from November, 2011) (<http://www.journals.elsevier.com/ecological-informatics/editorial-board/>))
 - b) *Network Biology* - published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/nb/editorial.asp>)
 - c) Computational ecology and software - published by International Academy of Ecology and Environmental Sciences (<http://www.iaees.org/publications/journals/ces/editorial.asp>)
 - d) Journal of Ecosystem - Hindawi Publication, USA (<http://www.hindawi.com/journals/jes/editors/>)
 - e) Chinese Journal of Population Resources and Environment - Taylor & Francis (<http://www.tandfonline.com/tpre>)
- iii) **Member of International and National Society:**
 - a) Secretary, Asia – Pacific Chapter, *International Society of Ecological Modelling* (ISEM), Head Office, Maryland, USA, 2012 – continue (www.isemna.org)
 - b) Nodal member of National Network of Mathematical and Computational Biology (NNMCB) – continue

Sudipta Maitra has been elected as General Secretary of Indian Society for Comparative Endocrinology.

Rakesh Kundu is a Reviewer of the projects from DST-SERB, Govt. of India.

Alpana Mukhuty, working under the supervision of **Dr. Rakesh Kundu** secured 2nd position in the e-poster presentation at the **Virtual 22nd INDO-US Flow Cytometry Workshop** organized by Trust for Education and Training in Cytometry (TETC) from 22-28 February, 2021.

Ms. Subhasri Biswas, DST-INSPIRE-SRF working under the supervision of **Prof. Sudipta Maitra** was awarded Best Poster Presentation in the International Seminar entitled “Regulatory Mechanisms underlying Behavior, Physiology and Development” organized by the Department of Zoology, University of Delhi from 24-26 March, 2021. Title of presentation “Protective Effects Of Gonadotropin-Induced Steroid Biosynthesis On Follicular Redox Homeostasis And Igf Axis In Zebrafish Ovary”.

Anwasha Samanta working under the supervision of **Prof. Sudipta Maitra** was awarded Second Best Poster Presentation in the International Seminar entitled “Regulatory Mechanisms underlying Behavior, Physiology and Development” organized by the Department of Zoology, University of Delhi from 24-26 March, 2021. Title of presentation “Bisphenol A (BPA) Modulation of Reproductive Parameters in Perch, *Anabas testudineus*”.

Publications :**Newsletter article: 01**

‘Proteomic approaches in assisted reproduction: An overview’ S. Basu, P. Das and **Mukherjee S** In: *OMICS in Reproductive Health Research, Indian Society for the Study of Reproduction and Fertility (ISSRF) Newsletter*, ed: Prof. N.K. Lohiya and Dr. A. Jerome, Issue 27, February 2021, pp. 30-32, ISSN: 2395-2806

- i) **Research Papers.(Author(s), title of Paper, year Journal volume No., Pages),**
- 1) “Thiol antioxidant Thioredoxin Reductase: a prospective biochemical crossroads between anticancer and antiparasitic treatments of the modern era.” Joardar N, Guevara-Flores A, Martínez-González J.J, **Sinha Babu S.P.** (2020) *International Journal of Biological Macromolecules* Vol. 165, pp. 249-267.
 - 2) “A review on the crosstalk between dendritic cells, filarial parasite, and parasite derived molecules in regulating the host immune responses.” Joardar N, Mondal C, **Sinha Babu S.P.** (2020) *Scandinavian Journal of Immunology* Vol. 93, pp. e13001.
 - 3) “Forecasting environmental factors and zooplankton of Bakreswar reservoir in India using time series model.” Banerjee A, Chakrabarty M, Bandyopadhyay G, Roy PK, **Ray S.** (2020) *Ecological Informatics*, <https://doi.org/10.1016/j.ecoinf.2020.101157> .
 - 4) “Shinorine ameliorates chromium induced toxicity in zebrafish hepatocytes through the facultative activation of Nrf2-Keap1-ARE pathway.” Shaw P, Sen A, Mondal P, Bhowmik A D, Rath J, **Chattopadhyay A.** (2020) *Aquatic Toxicology*, Vol. 228, pp. 105622.
 - 5) “Calcium and Vitamin D Supplementation Effectively Alleviates Dental and Skeletal Fluorosis and Retain Elemental Homeostasis in Mice.” Bhowmik A.D, Shaw P, Mondal P, Chakraborty A, Sudarshan M, **Chattopadhyay A.** (2020). *Biological Trace Element Research*, pp. 1-10.
 - 6) “Bisphenol A-induced oxidative stress, hepatotoxicity and altered estrogen receptor expression in *Labeo bata*: impact on metabolic homeostasis and inflammatory response.” Mukherjee U, Samanta A, Biswas S, Das S, Ghosh S, **Maitra S.** (2020) *Ecotoxicology and Environmental Safety* Vol. 202, pp. 110944.
 - 7) “Bisphenol A impairs reproductive fitness in zebrafish ovary: Potential involvement of oxidative/nitrosative stress, inflammatory and apoptotic mediators.” Biswas S, Ghosh S, Samanta A, Das S, Mukherjee U, and **Maitra S.** (2020) *Environmental Pollution* Vol. 267, pp. 115692.
 - 8) “Prompt detection of endogenous hypochlorite (ClO⁻) in murine macrophages and zebrafish embryos facilitated by a distinctive chemodosimetric mode.” Saha S, Das S, Das S, Samanta A, **Maitra S**, Sahoo P. (2020) *Organic & Biomolecular Chemistry* Vol. 18, pp. 6716-23.

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- 9) "pH and Temperature Dependent Gut Enzyme Niche in a Stomachless Herbivorous Freshwater Fish *Amblypharyngodon mola* (Hamilton, 1822)." Debnath S, Maiti SI, **Saikia S.K.** (2020) *Journal of Scientific Research* Vol. 12, no. 4, pp. 729-741, Doi: 10.3329/jsr.v12i4.46003.
- 10) "Feeding ecology of *Pachypterus atherinoides* (Actinopterygii; Siluriformes; Schilbeidae): A small freshwater fish from floodplain wetlands of Northeast India." Gogoi B, Das D.N, **Saikia S.K.** (2020) *Croatian Journal of Fisheries* Vol. 78, pp. 105-120. DOI: 10.2478/cjf-2020-0011.
- 11) "Multi-emissive biocompatible silicon quantum dots: Synthesis, characterization, intracellular imaging and improvement of two fold drug efficacy." Roy D, Mukhuty A, Fouzder C, Bar N, Chowdhury S, **Kundu R**, Chowdhury P. (2020) *Dyes and Pigments* Vol. 186, pp. 109004.
- 12) "Unfolding the Role of a Flavone-Based Fluorescent Antioxidant towards the Misfolding of Amyloid Proteins: An Endeavour to Probe Amyloid Aggregation." Karmakar A, Mallick T, Fouzder C, Mukhuty A, Mondal S, Pramanik A, **Kundu R**, Mandal D, Begam NA. (2020) *Journal of Physical Chemistry B* Vol. 124, pp. 11133-11144.
- 13) "Inhibition of thioredoxin reductase (TrxR) triggers oxidative stress-induced apoptosis in filarial nematode *Setaria cervi* channelized through ASK-1-p38 mediated caspase activation." Joardar N, Sen A, Rath J, **Sinha Babu S.P.** (2021) *Molecular and Biochemical Parasitology* Vol. 242, pp. 111364.
- 14) "Additive Allee effect of top predator in a mathematical model of three species food chain." Mandal S, Basir FA, **Ray S**, (2021) *Energy, Ecology and Environment*, (DOI: 10.1007/s40974-020-00200-3).
- 15) "Importance of benthic-pelagic coupling in food-web interactions of Kakinada Bay, India." Sinha S, Banerjee A, Rakshit N, Akkur R.V, Bhaduri P, **Ray S.** (2021) *Ecological Informatics* Vol. 61, pp. 101208.
- 16) "Simulating the effects of aquatic avifauna on the Phosphorus dynamics of aquatic systems." Adhurya S, Das S, **Ray S.** (2021) *Ecological Modelling* Vol. 445, pp. 109495.
- 17) "Dynamics of a delayed plant disease model with Beddington-DeAngelis disease transmission." Basir F.A, Takeuchi Y, **Ray S.** (2021) *Mathematical Bioscience and Engineering*, 18(1): 583–599, DOI: 10.3934/mbe.2021032.
- 18) "Absorption of protein in teleosts: a review." Debnath S, **Saikia S.K.** (2021) *Fish Physiology and Biochemistry*, <https://doi.org/10.1007/s10695-020-00913-6>
- 19) "An approach for quantifying western blots: the case of signal intensity and the statistical analysis." Maiti S.I, **Saikia S.K.** (2021). *Acta Fytotechn Zootechn*, Vol. 24, no. 2, pp. xx-xx.

- 20) “Trigonelline inhibits Nrf2 via EGFR signalling pathway and augments efficacy of Cisplatin and Etoposide in NSCLC cells.” Fouzder C, Mukhuty A, Mukherjee S, Malick C, **Kundu R.** (2021) *Toxicology in Vitro* Vol. 70, pp. 105038.
- 21) “Kaempferol inhibits Nrf2 signalling pathway via downregulation of Nrf2 mRNA and induces apoptosis in NSCLC cells.” Fouzder C, Mukhuty A, **Kundu R.** (2021) *Archives of Biochemistry and Biophysics* Vol. 697, pp. 108700.
- 22) “Increase in PPAR γ inhibitory phosphorylation by Fetuin-A through the activation of Ras-MEK-ERK pathway causes insulin resistance.” Das S, Chattopadhyay D, Chatterjee S.K, Mondal S.A, Majumdar S.S, Mukhopadhyay S, Saha N, Velayutham R, Bhattacharya S, **Mukherjee S.** (2021) *Biochim Biophys Acta – Molecular Basis of Disease* Vol. 1867, no. 4, pp. 166050-166063.
- 23) “Male fertility concerns during COVID-19 pandemic.” **Mukherjee S.** (2021) *Journal of Reproductive Healthcare and Medicine*, Vol. 2, Issue: Supplement 1 (Special Issue on COVID-19 & ART), pp. 55-58.
- 24) “Midgut aminopeptidase N expression profile in castor semilooper (*Achaea janata*) during sublethal Cry toxin exposure.” **Chauhan VK**, Dhanika NK, Lokya V, Bhuvanachandra B, Padmashree K, Dutta-Gupta A. (2021) *Journal of Biosciences* Vol. 46, pp. 1-16.
- 25) “*Senna* plant generates reactive oxygen species (ROS) and induces apoptosis in *Hymenolepis diminuta*.” Roy S, Joardar N, **Sinha Babu SP, Lyndem LM.** (2020) *Journal of Molecular & Biochemical Parasitology* <https://doi.org/10.1016/j.molbiopara.2020.111297>.
- 26) “Ecomorphological traits determine assemblage pattern of small freshwater fish in smaller lentic aquatic bodies.” Roy S, Maiti S.I, **Saikia S.K., Ray S.** (2020). *Journal of Scientific Research*, 12 (4): 713-727 doi: <http://dx.doi.org/10.3329/jsr.v12i4.45998>
- 27) “Indicator environmental variables in regulating the distribution patterns of small freshwater fish *Amblypharyngodon mola* in India and Bangladesh.” Roy S, **Ray S, Saikia S.K.** (2021). *Ecological Indicators*, 120: 106-906.

ii) **Number of paper published in Peer/reviewed journals : 28**

iii) **Book chapters**

1. “Nanopharmaceuticals to target antifilarials: administration of old age drugs in a novel way.” Joardar N, Mukherjee N, **Sinha Babu S.P.** In *Applications of Nanobiotechnology for Neglected Tropical Diseases* ed. Fabio Rocha Formiga, Inamuddin and Patricia Severino. Academic Press, 2021, pp. 329-356, ISBN 978-0-12-821100-7.
2. “Triggering the downstream apoptotic signal inside human parasitic organisms demonstrates a promising approach for anti-parasitic drug development: a mechanistic

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- perspective.” Joardar N, Haldar S, Jana K, **Sinha Babu S.P.** In *Apoptosis in Health & Diseases* ed Rosen Donev. Academic Press, 2021, pp. 1-21, ISBN 978-032-38-5317-0.
3. “Concept of Robustness and Ecosystem health - with case studies from the Indian context.” Banerjee A, **Ray S**, Roy P.K. In: *Biodiversity and Livelihood: Lessons from Community Research in India* (Eds. Oommen V. Oommen, Laldhas K.P., ErachBharucha), Bentham Science Publishers Pvt. Ltd. Singapore, pp 105 -120, 2020.
 4. “Hormonally Active Agents : A Menace for Oogenesis and Fertility in Teleosts” Biswas S, Ghosh S, Mukherjee U, Samanta A, Das S, **Maitra S.** In: *Recent updates in Molecular Endocrinology and Reproductive Physiology of Fish-Animperative step in aquaculture.* Springer Nature Singapore Pte Ltd, 2021, pp. 283-321. ISBN 978-981-15-8368-1.

DEPARTMENT OF BOTANY

Name of the Students qualified in UGC/CSIR/NET/SLET/GATE

(A) Students qualified NET

Anwasha Roy
Sunil Nandi
Koushik Saha
Dipanjali Chatterjee
Sanjit Konra
S. Katina

(B) Students qualified GATE

Atri Mukherjee
Arka Goswami
Madhab Rakshit
Payel Guin

National and International Standard Conference/Seminar/Workshop/Exhibition etc. Attended by the Teacher

Kashinath Bhattacharya

1. 22.03.2021. Delivered an invited talk as Eminent Speaker in the National Webinar on “Conservation of Forest in North East India” organized by Department of Botany, University of Science & Technology, Meghalaya. Title of presentation “Sustainable Conservation of Forest Biodiversity in Ancient India”.
2. 05.06.2020 - 06.05.2020. Delivered a Keynote address in the International e-Seminar on “Biodiversity & Human Welfare” on the occasion of World Environment Day organized by Shobhit Institute of Engineering & Technology, Meerut. Title of presentation “Conservation of biodiversity in ancient India : A concise review”.
3. 03.08.2020 - 08.08.2020. Acted as Resource Person in the National Level One Week Online Short Term Course on “Plant Taxonomy” organized by Department of Botany, Nizam College under Osmania University, Hyderabad.
4. 25.09.2020. Delivered a lead lecture in the Two Days Interdisciplinary International Webinar on “COVID-19 and Environmental Issue” organized by A.S. College, S.K. University, Deoghar, Jharkhand. Title of presentation “Destruction of Nature is the Key Factor for Pandemics of COVID 19”.

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Narayan Chandra Mandal

1. 28.01.2021 - 30.01.2021. Chaired a session in ISMPP 41st Annual Conference and National e-Symposium on “Innovative Approaches in Plant Health Management”, organized by University of Horticultural Science, Karnataka.
2. 24.06.2020. Delivered a talk as resource person in the International Webinar “Prospects of Natural Products on Human Health in Current Scenario” organized by MMV, Banaras Hindu University. Title of presentation “Suppression of virulence factors of human pathogenic *Candida albicans* by an endophytic fungus *Alternaria tenuissima* from *Ocimum tenuiflorum* L”.
3. 02.08.2020. Delivered a talk as resource person in the National Webinar “Scientific approaches towards Covid 19 pandemic” organized by IQAC and Science departments of Chandidas Mahavidyalaya, Birbhum, West Bengal. Title of presentation “How can we overcome Covid-19: a botanical view point”.
4. 11.04.2021. Delivered a Radio Talk through Akashbani (<https://youtu.be/hMrytKKST3Q>). Title of presentation “Novel Corona Virus”.
5. 05.06.2020. Delivered a talk in a discussion of Television broadcasting (DD Bangla) on Environment day. Title of presentation “Environment and Biodiversity (Paribesh o Jib Baichitro)”
6. 06.06.2020. Delivered a talk in an awareness program cum National Seminar on “Mental Health and Wellbeing” organized by the office of Director, PSNS and Department of Yogic Art and Science as a part of celebration of International Day of Yoga. Title of presentation “Covid 19”.

Soma Sukul

1. 18.01.2021 - 20.01.2021. Delivered an Invited lecture in the 3rd world congress on “Homeopathy and Traditional Medicine: Herbals & High Dilution of Drugs for Human Health and Agriculture” Jointly organized by Sukul Institute of Homeopathic Research, Kolkata, India; Bio Quantum academy, Canada; Department of Biochemistry, St. Thomas College, Palai, India and Alliance of Health Oriented Neighbours Inc. (AHON), The Philippines. Title of presentation “Studies on mechanism of action of homeopathic potencies through plant models”.

Jnanendra Rath

1. 05.11.2020 - 06.11.2020. Delivered an oral presentation in the “European Conference on Biodeterioration of Stone Monuments (ECBSM 2020)” held in Institute of Advanced Studies of CY Cergy Paris Université. Title of presentation “*Brasilonema* sp. (Nostocales)

a new cyanobacteria species from stone monuments of Santiniketan revealed by *cpcβ*α-IGS sequencing”.

2. 19.11.2020 - 20.11.2020. Participated in panel discussion and attended the programme on “Algal Biotechnology - techniques and opportunities for the sustainable bioeconomy” organized jointly by EIT Food European Union and University of Cambridge, England.
3. 03.03.2021 - 04.03.2021. Participated in the panel discussion and attended the e-workshop on “High-end characterization of Microalgae: overcoming the technological Barriers” organised by TERI-Deakin Nano Biotechnology Centre.

Hema Gupta (Joshi)

17.10.220 - 18.10.2020. Delivered an Invited lecture in the National Webinar on “Biodiversity Conservation” organized by Dept. of Chemistry, Sikkim Manipal Institute of Technology. Title of presentation “Successional changes in vegetation structure and species diversity on an age series of overburden dumps in Raniganj Coalfields, West Bengal”.

Adani Lokho

07.08.2020 - 10.08.2020. Presented a paper in the International Conference (Webinar on “Engineering biotic interactions in the light of social applicability” Organized by Department of Botany, M.U.C. Women’s College, Burdwan, Purba Burdwan District, West Bengal. Title of presentation “Phenology: Pre- and post-pollination effects in *Dendrobium* (Orchidaceae)”.

Bomba Dam

11.07.2020 - 12.07.2020. Delivered an Invited lecture in the Two days International webinar on “An insight into the recent global pandemic: Chemical and Biological approach” organized by Seth Anandram Jaipuria College, Kolkata. Title of Presentation “How Gut Microbes help to fight COVID-19 and other diseases”

Anjalika Roy

03.07.2021. Delivered an Invited lecture in the National webinar entitled “Current challenges in Biology Series-5” organized by Department of Zoology & IQAC Rabindra Mahavidyalaya, Champadanga Hooghly West Bengal. Title of Presentation “Future of Chemical Pesticides”.

Nandlal Mandal

1. 23.05.2020. Delivered an Invited lecture as panel expert in the National Webinar On "Role of microbes in sustainable agriculture" Organized by Department of Botany T.N.B. College, T. M. Bhagalpur University (Bhagalpur). Title of presentation "Role of microbes in sustainable agriculture".

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2. 29.07.2020 - 30.07.2020. Presented paper in the International e-conference on “Impact of COVID-19 on human health & environment” organized by P.G. Department of Botany, Tata College, Chaibasa (Kolhan University, Chaibasa), Singhbhum (W), Jharkhand, India. Title of presentation “Biological control of aflatoxigenic *Aspergillus flavus* through some potentials rhizosphere fungi and their impact on growth promotion”.

Research Scholar

Krishnendu Pramanik

1. 07.08.2020 – 10.08.2020. International Conference (web-based) on "Engineering biotic interactions in the light of social applicability" organized by Dept. of Botany, Womens' College, Burdwan (Received 1st prize in poster presentation).
2. 27.07.2020 – 01.08.2020. Short-term training program on “MATLAB - Statistics & Data Science” organized by Department of Applied Science, Sagar Institute of Research and Technology, Bhopal, Madhya Pradesh India.

Debosmita Mukherjee

02.09.2020. Participated in the online pictorial quiz and secured 70% marks, organized by Department of Botany and IQAC, Shri Rajiv Gandhi Govt College Banda, Sagar (M.P.) India.

Syeda Nurunnesa Begum

15.03.2021 – 26.03.2021. Participated and completed the Workshop cum Certificate Course in the “Skill Development Program on Theory and Hands on Training in Gas Chromatography-Mass Spectrometry (GC-MS) (Code-IICB- GCMS)” conducted by CSIR- Indian Institute of Chemical Biology, Kolkata.

Samik Hazra

15.03.2021 – 26.03.2021. Participated and completed the Workshop cum Certificate Course in the “Skill Development Program on Theory and Hands on Training in Gas Chromatography-Mass Spectrometry (GC-MS) (Code-IICB- GCMS)” conducted by CSIR- Indian Institute of Chemical Biology, Kolkata.

Debjyoti Mukherjee

28.01.2021 - 29.01.2021. Delivered an oral presentation in the International e-Conference on ‘Phycology Webinar 2021’ jointly organized by Probir Chatterjee Research Foundation and Department of Botany, University of Calcutta. Title of presentation “Removal of heavy metals by two cyanobacterial species-*Spirulina subsalsa* and *Calothrix marchica*”.

Mohit Lal Kumar

1. 22.05.2020. Participated in online poetry competition on topic “Our solutions are in Nature” on the occasion of International day for Biological Diversity dated, celebrated by Botanical Survey of India.
2. 17.10.220 - 18.10.2020. Delivered an Invited lecture in the National Webinar on “Biodiversity Conservation” Organized by Dept. of Chemistry, Sikkim Manipal Institute of Technology.

Arijit Misra

19.06.2020 – 23.06.2020. Participated in the workshop organized by IIHMR University on “Data analytics using R for Masters students and Doctorals”.

Sandip Ghosh

1. 03.08.2020 – 09.8.2020. Participated in Seven Day Technical Hands-On Workshop on “Bioinformatics, A Perfect Guide for Beginners” organized by BDG Life Science.
2. 02.09.2020 – 06.09.2020. Participated in the online workshop on “Computational Tools for Analysis of Biological Systems” organized by Department of Biotechnology, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar.
3. 15.09.2020 – 20.09.2020. Participated in Six Day Technical Hands-On Workshop on “Molecular Docking, Study to predict interaction energy between molecules” organized by BDG Life Science.

Raju Biswas

01.07.2020 – 05.07.2020. Participated in the One Week online workshop organized by IIHMR University, Jaipur on “Data analysis using R for Master Students and Doctorals”.

Puja Mukherjee

18.01.2021 - 01.02.2021. Short Term Bioinformatics Training on “Advanced Bioinformatics, NGS - DNA Seq Data Analysis” Organized By ArrayGen Technologies Pvt. Ltd.

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Ongoing Research Projects:

| i. Name of the Teacher | ii. Name of the Project | iii. Sponsoring Agencies | iv. Amount Sanctioned |
|------------------------|--|---|-----------------------|
| Kashinath Bhattacharya | The scoping of Geographical Indication (GI) tag for mangrove honey of Sunderban (As Co-PI : Jointly with Bose Institute and Calcutta University). | WWF-India | 50,000 |
| Kashinath Bhattacharya | Development of Recombinant Vaccines for <i>Aspergillus</i> – related Asthma and Allergic Broncho Pulmonary Aspergillosis | DBT/Wellcome Trust India Alliance Early Career project of Dr. Gaurab Sircar | 1,67,00,000 |
| Rup Kumar Kar | Responses of crop plants (rice and wheat) to combination of light and drought stresses | DST (Indo-Hungarian collaboration), Govt. of India | 31,56,000 |
| Rup Kumar Kar | Assessment of combinatorial effect of SUB1A and SK loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation | SERB, Govt. of India | 42,64,832 |
| Narayan Chandra Mandal | Earthworm gut microbes mediated carcinogenic polycyclic aromatic hydrocarbons (CPAHs) remediation in contaminated soil | Department of Biotechnology, Govt. of India | 6,93,702 |
| Swadesh Ranjan Biswas | Oligo-mediated genome engineering of <i>Lactococcus lactis</i> W8 to generate novel nisin peptides for use in food and health | Department of Biotechnology, Govt. of India | 65,00,000 |
| Jnanendra Rath | Exploration of DHA (docosahexaenoic acid) producing algae from wetlands of West Bengal for maternal supplement and neurodevelopment of young children's of West Bengal | DST, Govt. of West Bengal | 10,80,000 |

| | | | |
|----------------|---|--|--------------------------|
| Jnanendra Rath | Unlocking cryptic and anti-quorum sensing natural products of cyanobacteria from stressed habitats in search of novel antibiotics against antimicrobial resistance | SERB, Govt. of India | 46,71,370 |
| Bomba Dam | Impact of sulphate on microbial population dynamics and carbon cycling due to sea water intrusion in Mangrove ecosystem: A future Global warming scenario | DST, Govt. of West Bengal | 11,99,000 |
| Bomba Dam | Prebiotic feed supplement for growth improvement of Indian major carps, <i>Labeo rohita</i> , <i>Cirrhinus mrigala</i> and <i>Catla catla</i> under composite culture system: A gut microbiome and nutrigenomics based approach | DBT, Govt. of India [Network Project with University of Burdwan], Govt. of India | 55,17,000 (VB Component) |

Academic distinctions gained by Teachers/ Scholars or the Department a whole (Like recognition as D.S.A. or C.A.S. etc.)

Academic distinction gained by Teachers

Kashinath Bhattacharya

1. External Member of B.O.S., Department of Biotechnology, Pt. Ravishankar Shukla University, Raipur; Department of Environmental Sciences, Mizoram University, Mizoram, Department of Botany & School of Life Sciences, Vidyasagar University, Medinipore, West Bengal from 2020 - 2021.
2. Member of Editorial Board, Indian Journal of Aerobiology, 2018- continuing
3. Member of Editorial Board, Journal of Botanical Society, Assam, 2019- continuing
4. Member of Executive Committee, Indian Aerobiological Society, 2018- continuing

Bomba Dam

External Member of P.G.B.S., Department of Microbiology, The University of Burdwan, Burdwan, West Bengal from 2020 – 2021.

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Publications:

i) Other books (Book Chapters)

1. *Fungal bioagents in the remediation of degraded soil.* Banerjee S. and Mandal N.C., In: Singh JS and Vimal SR (eds.) *Microbial Services in Restoration Ecology.* Elsevier. 2020. pp- 191-205.
2. *Bio-Based technologies to combat emerging environmental contaminants.* Das, S., Goswami, L., Bhattacharya, S.S., and Mandal, N.C., In: Singh, P., Hussain, C.M., Rajkhowa, S. (Eds.), *Management of contaminants of emerging concern (cec) in environment.* Elsevier 2021. pp. 323-356.
3. *Trichoderma.* Gorai, P.S., Barman, S., Gond, S.K., Mandal, N.C., In: Amaresan, N., Senthil Kumar, M., Annapurna, K., Kumar, K., Sankaranarayanan, A. (Eds.), *Beneficial Microbes in Agro-Ecology: Bacteria and Fungi,* Elsevier 2020. pp. 571–591.
4. *Endophytic microbes and their role to overcome abiotic stress in crop plants.* Gorai, P.S., Gond, S.K. and Mandal, N.C., In: Jay Shankar, S., Shobit Raj, V. (Eds.), *Microbial Services in Restoration Ecology,* Elsevier. 2020. pp. 109-122.
5. *Endophytic Fungi: A Source of Novel Pharmaceutical Compounds.* Samanta, S., Ghosh. S., and Mandal, N.C., In: Patil. R.H., Maheshwari, V.L. (Eds.), *Endophytes Potential Source of Compounds of Commercial and Therapeutic Applications,* Springer Nature. 2021. pp. 103-151.)
6. *Beneficial Role of Plant Growth-Promoting Rhizobacteria in Bioremediation of Heavy Metal(loid)-Contaminated Agricultural Fields.* Pramanilk, K., Banerjee S., Mukherjee, D., Saha, K.K., Maiti, T.K., Mandal, N.C. In: C. J. Hurst (ed.), *Microbes: The Foundation Stone of the Biosphere, Advances in Environmental Microbiology* Springer Nature Switzerland AG 8, 2021. https://doi.org/10.1007/978-3-030-63512-1_22
7. *Use of Plant GrowthPromoting Burkholderia Species with Rock Phosphate–Solubilizing Potential Toward Crop Improvement.* Ghosh, R. and Mandal, N.C. In: Jay Shankar, S., Shobit Raj, V. (Eds.), *Microbial Services in Restoration Ecology,* Elsevier. (2020) pp. 139-156.
8. *Serratia.* Barman, S., Bhattacharya, S.S. and Mandal, N.C. In: Amaresan, N., Senthil Kumar, M., Annapurna, K., Kumar, K., Sankaranarayanan, A. (Eds.), *Beneficial Microbes in Agro-Ecology: Bacteria and Fungi,* Elsevier. 2020. pp. 27-36.
9. *Stenotrophomonas.* Ghosh, R., Chatterjee, S. and Mandal, N.C. Amaresan, N., Senthil Kumar, M., Annapurna, K., Kumar, K., Sankaranarayanan, A. (Eds.), *Beneficial Microbes in Agro-Ecology: Bacteria and Fungi,* Elsevier. 2020. pp. 427-442.

10. *CRISPR/dCas system as the modulator of gene expression*. Kazi, T.A., Ranjan, Biswas, S. Progress in Molecular Biology and Translational Science. Academic Press. 2021; 178: pp. 99-122. doi:10.1016/bs.pmbts.2020.12.002.
11. *Biofilm of Cyanobacteria: Environmental Applications*. Bhakat, S., Mandal, S. and **Rath, J.** In: Arumugam M, Kathiresan S, Nagaraj S (Eds.) Applied Algal Biotechnology. Nova Scientific Publisher, New York, USA. 2020. pp 311-330.
12. *Isoenzymes and protein profile of some maize grains and aflatoxins elaboration by toxigenic Aspergillus flavus*. Roy, S. and Mandal, N. In: Chourasia, H.K., Acharya, K. and Singh, V. (Eds.) Precision Agriculture and Sustainable Crop Production. Today and Tomorrows Printers and Publishers, New Delhi. 2020. pp. 563-573.

ii) Research papers

1. “Molecular characterization of a fungal cyclophilin allergen Rhi o 2 and elucidation of antigenic determinants responsible for IgE-cross-reactivity”. Sircar, G., Bhowmik, M., Sarkar, R.K., Naja, N., Dasgupta, A., Focke-Tejkl, M., Flicker, S., Mittermann, I., Valenta, R., **Bhattacharya, K.** & Gupta Bhattacharya, S. *The Journal of Biological Chemistry*, 2020. Vol. 295, pp. 2736-2748. doi: 10.1074/jbc.RA119.011659 [Impact factor, 4.3]
2. “Aerobiology, epidemiology and disease forecasting of false smut disease of rice in West Bengal, India”. Saha, S., Chakraborty, A. and **Bhattacharya, K.** *Aerobiologia*, 2020. Vol. 36, pp. 299-304. [https://doi.org/10.1007/s10453-020-09631-1]
3. “Analysis of the relationships between environmental factors and respiratory problem related hospital admission in Bolpur-Santiniketan, West Bengal, India”. Adak, S., Sarkar, R.K., Ghosh, S. and **Bhattacharya, K.** *Indian Journal of Aerobiology*, 2020. Vol. 33, no. 1 & 2, pp. 31-40.
4. “Genetic transfection, hairy root induction and solasodine accumulation in elicited hairy root clone of *Solanum erianthum* D. Don”. Sarkar, J., Misra, A., and **Banerjee, N.** *Journal of Biotechnology*, 2020, Vol. 323, pp. 238-245. [Impact factor, 3.50]
5. “Transcriptional co-regulation of plasma membrane H⁺-ATPase and NADPH oxidase during root growth”. Majumdar, A. and **Kar, R.K.** *Plant Gene*, 2021. Vol. 26, no. 9, pp. 100272 [https://doi.org/10.1016/j.plgene.2021.100272]
6. “Growth promoting properties of *Mycobacterium* and *Bacillus* on rice plants under induced drought”. Karmakar, J., Goswami, S., Pramanik, K., Maiti, T.K., **Kar, R.K.** and N. Dey. *Plant Science Today*, 2021. Vol. 8, no. 1, pp. 49-57. [https://doi.org/10.14719/pst.2021.8.1.965]
7. “Broad spectrum antimicrobial efficacy of *Pediococcus acidilactici* LAB001 against food spoilage and toxigenic bacteria and fungi”. Das, S., Mandal, V. and **Mandal, N.C.** *Journal*

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- of *Food Processing and Preservation*, 2021. [<https://doi.org/10.1111/jfpp.15066> (Impact factor, 1.288)]
8. “Biological Control of early blight disease of potato caused by *Alternaria alternata* EBP3 by an endophytic bacterial strain *Bacillus valesensis* SEB1”. Gorai, P.S., Ghosh, R., Konra, S. and **Mandal, N.C.** *Biological Control*, 2021. Vol. 156, pp. 104551. [Impact factor, 3.060]
 9. “Unravelling the heavy metal resistance and biocontrol potential of *Pseudomonas* so K32 strain facilitating rice seedling growth under Cd stress”. Pramanik, K., Mandal, S., Banerjee, S., Ghosh, A., Maiti, T.K. and **Mandal, N.C.** *Chemosphere*, 2021. Vol. 274, pp. 129819. [<https://doi.org/10.1016/j.chemosphere.2021.129819> (Impact factor, 5.778)]
 10. “Structural-genetic insight and optimization of protease production from a novel strain of *Aeromonas veronii* CMF, a gut isolate of *Chrysomya megacephala*”. Bhattacharya, R., Mandal, S., Banerjee, S., Saha, K., Sarkar, J., Banerjee, D. and **Mandal, N.C.** *Archives of Microbiology*, 2021. [<https://doi.org/10.1007/s00203-021-02282-x> (Impact factor, 1.884)]
 11. “Beneficial properties of crude polysaccharides from *Termitomyces medius* of West Bengal to scavenge free radicals as well as boost immunity: a new report”. Mitra, P., Khatua, S., **Mandal, N.C.** and Acharya, K. *Research Journal of Pharmacy and Technology*, 2021. Vol. 14, no. 2, pp. 1073-1078.
 12. “Bile salt hydrolyzing activities of two lactic acid bacteria from traditional fermented vegetable kinema of Darjeeling hills for potential hypocholesteromic probiotic use”. Bandyopadhyay, B., Mandal, V. and **Mandal, N.C.** *Journal of Botanical Society of Bengal* (UGC Care enlisted), 2020. Vol. 74, no. 1, pp. 79-85.
 13. “Phosphate solubilisation by plant growth promoting rhizobacteria and improvement of their potentials through biofilm formation”. **Mandal, N.C.** *Journal of Mycopathological Research* (UGC Care enlisted), 2021. Vol. 58, no. 4, pp. 211-220.
 14. “A natural food preservative peptide nisin can interact with the SARS-CoV-2 spike protein receptor human ACE2”. Bhattacharya, R., Gupta, A.M., Mitra, S., Mandal, S., and **Biswas, S.R.** *Virology*, 2021. Vol. 552, no. 2, pp. 107-111. [doi: 10.1016/j.virol.2020.10.002]
 15. “Characterization of a novel theta-type plasmid pSM409 of *Enterococcus faecium* RME isolated from raw milk”. Kazi, T.A., Mitra, S., Mukhopadhyay, B.C., Mandal, S., **Biswas, S.R.** *Gene*, 2021. Vol. 777, pp. 145459. [doi: 10.1016/j.gene.2021.145459]
 16. “Studies on allelopathic effect of aqueous leaf extract of *Putranjiva roxburghii* Wall. on seed germination and early growth of Chickpea (*Cicer arietinum* L.)”. Oraon, S. and **Mondal, S.** *Indian Journal of Agricultural Research*, 2020. Vol. 54, no. 2, pp. 193-198. [Doi: 10.18805/IJARe.A-5319]

17. "Studies in pharmacognostic characters of the climber *Erycibe paniculata* Roxb. of Convolvulaceae". Mondal, S. and **Rahaman, C.H.** *Journal of Medicinal Plants Studies*, 2020. Vol. 8, no. 2, pp. 112-125. [Online ISSN: 2320-3862, Print ISSN : 2394-0530]
18. "Spatial and sensitivity analysis of integrated groundwater quality index towards irrigational suitability investigation". Hossain, M., Patra, P.K., Begum, S.N., and **Rahaman, C.H.** *Applied Geochemistry*, 2020. Vol. 123, pp. 104782. [<https://doi.org/10.1016/j.apgeochem.2020.104782> (Impact factor, 2.903)]
19. "A preliminary study on isolation, characterization of endophytic bacteria and their abilities for the production of Indole-3 acetic acid (IAA) from *Thelypteris interrupta* (Wild.) K. Iwats". Rakshit, A. and **Sukul, S.** *Wesleyan Journal of Research*, 2020). Vol: June, 2020.
20. "Inhibition of thioredoxin reductase (TrxR) triggers oxidative stress-induced apoptosis in filarial nematode *Setaria cervi* channelized through ASK-1-p38 mediated caspase activation". Joardar, N., Sen, A., **Rath, J.**, SinhaBabu, S.P. *Molecular and Biochemical Parasitology*, 2021 (In Press) [<https://doi.org/10.1016/j.molbiopara.2021.111364> (Impact factor, 1.571)]
21. "Shinorine ameliorates chromium induced toxicity in zebrafish hepatocytes through the facultative activation of Nrf2-Keap1-ARE pathway". Shaw, P., Sen, A., Mondal, P., Bhowmik, A.D., **Rath, J.**, Chattopadhyay, A. *Aquatic Toxicology*, 2020. Vol. 228, pp. 105622. [Impact factor, 4.344].
22. "Antibacterial activity of desiccated cyanobacterium *Anabaena* sp. isolated from terracotta monuments of Bishnupur, West Bengal". Bhakat, S., Saha, S., Mandal, S., **Rath, J.**, *International Journal of Pharmaceutical Sciences and Drug Research*, 2020. Vol. 12, no. 2, pp. 94-98.
23. "Ethnobotanical Study of Birhore Tribe in Koderma Wild Life Sanctuary, Jharkhand, India". Biswa, S., **Lokho, A.**, and Laxminaransimhan. *Ad. Plant Sci.*, 2020. Vol. 33, no. I-II, pp. 139-152.
24. "A new locality record for *Ludwigia decurrens* Walter (Onagraceae) in Jharkhand, India". Biswa, S., Laxminaransimhan. and **Lokho, A.**, *Ind. J. Forestry*, 2019 (issue published in 2020). Vol. 42, no. 4, pp. 269-371.
25. "Field Status of *Herminium lanceum* (Thunb. ex SW.) Vuijk (Orchidaceae): Medicinally important orchid species from Darjeeling Himalayan region of West Bengal". Yonzone, R., Ram, R.L., and **Lokho, A.**, *Ad. Plant Sci.*, 2020. Vol. 33, no. I-II, pp. 185-186.
26. "Vegetation structure, composition and species diversity in an age series of coal mine overburden dumps". Malakar, S. and **Gupta (Joshi), H.** *Indian Journal of Ecology*, 2020. Vol. 47, no. 2, pp. 467-479.
27. "Estimation of Air Pollution Tolerance Index (APTI) and Anticipated Performance Index (API) of selected tree species in Santiniketan, Birbhum, West Bengal, India". Kumar, M.L.,

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- Nag, A., Sinha, B. and **Gupta (Joshi), H.** *Plant Archives*, 2020. Vol. 20, no. 2, pp 8183-8188.
- 28.** “Population structure and regeneration status of selected tree species in eight tropical dry deciduous forests of West Bengal, India”. Nag, A. and **Gupta (Joshi), H.** *International Journal of Botany Studies*, 2020. Vol. 5, no. 6, pp. 621-627
- 29.** “An alkali-halostable endoglucanase produced constitutively by a bacterium isolated from Sambhar Lake in India with biotechnological potential”. Sar, A., Pal, S., **Dam, B.** *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 2021. [<https://doi.org/10.1007/s40011-021-01230-5> (ISSN: 0369-8211; Impact factor, 0.396)]
- 30.** “Assessment of bacterial community structure in saline sediment microcosms exposed for the first time to the ionic liquid 1-ethyl-3-methylimidazolium chloride”. Pal, S., Sar, A., Biswas, R., Misra, A., Banerjee, S., **Dam, B.** *Water Air Soil Pollution*, 2021. Vol. 232, pp. 51. [ISSN: 0049-6979; Impact factor, 2.01]
- 31.** “Genome shuffling improves pigment and other bioactive compound production in *Monascus purpureus*”. Ghosh, S., **Dam, B.** *Applied Microbiology and Biotechnology*, 2020. Vol. 104, pp. 10451-10463. [ISSN: 0175-7598; Impact factor, 3.530].
- 32.** “Poorly known microbial taxa dominate the microbiome of hypersaline Sambhar Lake salterns in India”. Pal, S., Biswas, R., Misra, A., Sar, A., Banerjee, S., Mukherjee, P., **Dam, B.** *Extremophiles*, 2020. Vol. 24, pp. 875-885. [ISSN: 1431-0651; Impact factor, 2.462].
- 33.** “Poor nutrient availability in opencast coalmine influences microbial community composition and diversity in exposed and underground soil profiles”. Banerjee, S., Misra, A., Sar, A., Pal, S., Chaudhury, S., **Dam, B.** *Applied soil ecology*, 2020. Vol. 152, pp. 103544. [ISSN: 0929-1393; Impact factor, 3.187].
- 34.** “Pollen viability study of *Solanum erianthum* D. Don”. Ghosh, S., Mondal, T., and **Roy, A.** *Journal of Plant Science Research*, 2020. Vol. 36, no. 1-2, pp. 49-54. [ISSN 0970-2359]
- 35.** “Estimation of biological toxicity by copper oxychloride on *Pisum sativum* L. and *Vigna radiata* L”. Paul, A., Bairagya, K., Banerjee, N. and **Roy, A.** *Indian J of Agricultural Research*, 2020. [10.18805/IJARE, A-5606 ISSN: 0976-058X]

No of papers published in peer/reviewed journals 35

DEPARTMENT OF STATISTICS

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

Anumita Mondal (UGC NET 2020)

Departmental Seminars/Conferences/Workshops

- 17-25 August 2020: One-Week National e-Workshop on “USING OPEN SOURCE LEARNING MANAGEMENT SYSTEM FOR ONLINE TEACHING” jointly organised by Visva-Bharati Library Network (VBLN) and Department of Statistics, Visva-Bharati.
- 23 February 2021: Webinar on An Introduction to Statistical Meta-Analysis with an Application Speaker: Prof. Bimal Sinha, Department of Mathematics and Statistics, University of Maryland, Baltimore County, USA

Conference/Seminar/Workshop/Exhibition etc.

Sudhansu S. Maiti

- 11 May 2020: Delivered lecture in Webinar on “Mathematical and Statistical Applications in Science and Engineering” organized by Asansol Engineering College.
- 25-26 February 2021: Delivered two lectures as resource person in UGC Refresher Course in Statistics on “Statistical Quality Management” organised by the Department of Statistics and HRDC, North Eastern Hill University, Shillong.

Arindom Chakraborty

- 07 March 2021: Delivered an invited lecture on *Identifying Higher Order Drug-drug-Interaction Effects using FAERS Database* in “Young Statisticians Meet 2021” organized by ISI, Kolkata
- 03 December 2020: Invited talk on Data Frame & Correlation: A Journey through R at AKD Centre, Visva-Bharati.
- 11 December 2020: Invited talk on developing e-contents for MASSIVE OPEN ONLINE COURSES (MOOCs) at AKD Centre, Visva-Bharati.

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Tirthankar Ghosh

- 23-27 June 2020: Delivered invited Lectures (two) at the E-Workshop on "Statistical Modelling through R" organized by Prasanta Chandra Mahalanobis Mahavidyalaya, Banhoogly, West Bengal.
- 17-25 Aug 2020: Acted as resource person and delivered two lectures in the One-Week National e-workshop on 'Using Open-source Learning Management System for online teaching' at Central Library, Visva-Bharati, Santiniketan, WB.
- 29 August 2020: Acted as resource person and delivered a lecture in a webinar on 'Statistical Analysis using R for Media and Communication Research' organized by Media Watch (A Scopus indexed journal).
- 05 September 2020: Delivered an invited lecture and conducted hands-on session, on "Moodle based LMS" for teachers of Midnapore College, Midnapore, WB via online platform.
- 15 December 2020: Delivered an invited lecture on "Conducting Online Test" in the 7-day National Workshop on Planning & Development of Massive Open Online Courses [MOOCs] via online mode, organized by AK Dasgupta Centre for Planning and Development (A Centre sponsored by the Niti Aayog, Govt. of India), Visva-Bharati, Santiniketan, W.B.

Soumalya Mukhopadhyay

- 10 October 2020: Delivered a lecture in the Webinar on "Analysis of Categorical Data" organized by Dept. of Economics & Statistics, Salesian College, Siliguri Campus in collaboration with IQAC.

Sourav Rana

- 10 July 2020: Acted as resource person and delivered a lecture in the webinar "Mathematical modeling on recent epidemiological issues: COVID-19 disease and its control strategies" organized by Department of Mathematics and IQAC, Mahadevananda Mahavidyalaya, West Bengal.
- 20 November 2020: Delivered an invited lecture on the Two-day National Webinar "Recent Advances in Theoretical and Applied Statistics" held from 20/11/2020 to 21/11/2020 at Department of Statistics, Assam University, Silchar.
- 02 December 2020: Delivered an invited lecture on the 7 days e-National Workshop "Use of Statistical Software 'R' in Research & Development" held from 27/11/2020 to 3/12/2020 at A.K. Dasgupta Centre for the Planning and Development, Visva-Bharati, Santiniketan, West Bengal.
- 28 March 2021: Delivered an invited lecture on the Webinar "Recent Advances in Applied

Mathematics: Theory and Computation” held from 27/03/2021 to 29/03/2021 at Department of Applied Mathematics, University of Calcutta, Kolkata, West Bengal.

Academic distinctions

Sudhansu S. Maiti

- i) **Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2021.**
- ii) **Associate Executive Committee Member, Indian Society for Probability and Statistics**
- iii) **Expert Member, PG Board of Studies in Mathematics and Statistics, Alia University**
- iv) **Expert Member, PG Board of Studies in Statistics, Tripura University**
- v) **Expert Member, PG Board of Studies in Statistics, North-Eastern Hill University**
- vi) **Expert Member, UG & PG Board of Studies in Statistics, Sister Nivedita University, Kolkata**
- vii)

Arindom Chakraborty

Acted as a Reviewer for BMC Research Notes, Statistics and Applications.

Selected as a member of MHRD-IIT Bombay Covid 19 Group and worked on an epidemiological prediction model with the assessment of impacts of multiple policy interventions.

Tirthankar Ghosh

Acted as Reviewer for **Journal of Applied Statistics**, Taylor & Francis Group.

Saran Ishika Maiti

Served as a Reviewer in Statistics and Application, Linear and Multilinear Algebra, Pakistan Journal of Statistics and Operation Research.

Sourav Rana

Acted as Reviewer for **International Journal of Modeling, Simulation, and Scientific Computing**.

Publications

Research Papers

- 1) “On Generalizing Lifetime Performance Index”. **Maiti, S. S.**, Bhattacharya, A. and Saha, M. Life Cycle Reliability and Safety Engineering (2021), 10(1), 31-38.

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- 2) “Estimation of the PDF and the CDF of the **two-parameter exponential distribution for type-II censored sample**”. Mukherjee, I. and **Maiti, S. S.**, Journal of Statistical Modelling: Theory and Applications (2020), 1(2), 131-151.
- 3) “Kumaraswamy Inverse Lindley Distribution with Stress-Strength Reliability”. Hemeda, S. E., Pramanik, S. and **Maiti, S. S.**, Gazi Journal of Engineering Sciences (GJES) (2020), 6(3), 255-264.
- 4) “Choice of ideal sunshine hour based model to predict global solar radiation in India”. Samanta, S., Banerjee, S., Patra, P. K., **Maiti, S. S.** and Chattopadhyay, N., Mausam (2020), 73(3), 451-466.
- 5) “Minimum Variance Unbiased Estimation of Reliability functions for class of generalizations of Lindley distribution”. Bhattacharya, R., **Maiti, S. S.**, Choudhury, M. M. and Mukherjee, D., Calcutta Statistical Association Bulletin (2020), 72(1), 43-57.
- 6) “Joint modelling of longitudinal response and time-to-event data using conditional distributions: A Bayesian perspective”. Dutta, S., Molenberghs, G. and **Chakraborty, A.**, Journal of Applied Statistics (2021), volume DOI:10.1080/02664763.2021.1897971.
- 7) “What if lockdown is removed? District level predictions for Maharashtra and Gujarat”. Dutta S., Das, K., Chatterjee, K. and **Chakraborty, A.**, Statistics and Applications (2020), 18, 209–221,
- 8) “Dispersal of airborne pathogenic conidia of bipolaris oryzae with reference to brown spot disease of rice crop in a farm of West Bengal, India: a two year survey”. Chakraborty, P., **Chakraborty, A.** and Bhattacharya, S.G.. Journal of Tropical Agriculture (2021), 58(2), 199–208.
- 9) “Uniform spacings-a bird’s eye view”. Das, S. & **Maiti, S. I.**, *Statistics and Applications*(2021), 19(2), 1-14,
- 10) “An approach for quantifying western blots:the case of signal intensity and the statistical analysis”. **Maiti, S.I.** & Saikia S., *Acta Fytotechnica et Zootechnica*(2021), 24(2), 177-198.
- 11) “Influence of water quality on seasonal variation of lentic microalgae community in Bankura district West Bengal”. Halder, P., Debnath M., **Maiti, S.I.** & Ray, S., *Indian Hydrobiology* (2020), 19 (1& 2), 177-198.
- 12) “pH and Temperature Dependent Gut Enzyme Niche in a Stomachless Herbivorous Freshwater Fish *Amblypharyngodon mola* (Hamilton, 1822)”. Debnath, S., **Maiti, S.I.** & Saikia, S., Journal of Scientific Research and Advances (2020), 12(4), 729-741.
- 13) “Ecomorphological Traits Determine Assemblage Pattern of Small Freshwater Fish in Smaller Lentic Aquatic Bodies”. Roy, S., **Maiti, S.I.** , Saikia, S. & Ray S., Journal of Scientific Research and Advances (2020), 12(4), 713-727.

- 14) “Does fish price depend solely on weight? A market survey analysis from four districts of West Bengal, India”. Das, D., **Mukhopadhyay, S.**, Sarbajna, A. and Chakraborty, S. B., *Journal of Fisheries* (2020), 8(3), 903-911.
- 15) “Assessment of lockdown effect in some states and overall India: A predictive mathematical study on COVID-19 outbreak”. Sardar, T., Nadim, S.S., **Rana, S.**, Chattopadhyay, J., *Chaos, Solitons and Fractals* (2020), Vol 139, Doi: <https://doi.org/10.1016/j.chaos.2020.110078>.
- 16) “Invasive dynamics for a predator–prey system with Allee effect in both populations and a special emphasis on predator mortality”. **Rana, S.**, Bhowmick A.R., Sardar, T., *Chaos: An Interdisciplinary Journal of Nonlinear Science* (2021), Vol 31, Doi: <https://doi.org/10.1063/5.0035566>.

DEPARTMENT OF COMPUTER AND SYSTEM SCIENCES

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

1. NET:

- i. DEBASIS MAJI (WB0252000065)
- ii. SAYAN DAS (WB0252000026)

2. GATE:

- i. SAYAN DAS (CS21S54011006)
- ii. BISHWESHWAR SHOME (CS21S64009145)
- iii. RAHUL DEV MONDAL (CS21S64009073)
- iv. SHABNAM SULTANA RAINY (CS21S64009153)

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

- a. Second Doctoral Symposium on Intelligence Enabled Research (DoSIER 2020) organized by the Department of Computer and System Sciences, Visva-Bharati University during 12-13th August, 2020 [In Virtual Mode] technically sponsored by IEEE Computational Intelligence Society, Kolkata Chapter.
- b. International Webinar titled “State of the Art and Future of Text Mining” organized by Visva-Bharati University and technically sponsored by IEEE Computational Intelligence Society, Kolkata Chapter, on 2nd November, 2020; Speaker: Dr. Sudip Kumar Naskar (Associate Professor, Department of Computer Science & Engineering, Jadavpur University), Dr. Shibamouli Lahiri (Research Area Specialist Associate, University of Michigan).
- c. IEEE Computational Intelligence Society (CIS) Distinguished Lecture Program (DLP) On “How big is too big? Clustering in (static) BIG DATA with the Fantastic 4” delivered by Prof. James C. Bezdek, University of Melbourne, organized by the Department of Computer and System Sciences, Visva-Bharati, India on 22/11/2020.
- d. One day International Webinar on “Wi-Fi 7 Leading Wi-Fi to Next Generation Intelligent Wireless Networks” delivered by Dr. Chittabrata Ghosh, Principal Engineer, Intel Corporation, USA organized by the Department of Computer and System Sciences, Visva-Bharati, India in association with IEEE CIS Kolkata Chapter on 10/02/2021.
- e. Third IEEE CIS Distinguished Lecturers on “Evolutionary Machine Learning” delivered by Prof. Mengjie Zhang of University of Wellington, organized by the Department of Computer and System Sciences, Visva-Bharati University, Santiniketan on 14/03/2021.

National and International standard Conference / Seminar / Workshop / Exhibition etc. Attended

Teachers:

a. Utpal Roy

- I. Delivered a talk on “Keystroke Dynamics : A New Biometric for User Identification and Authentication” as a resource person in Refresher Course in Emerging Trends in Science and Technology being conducted by the UGC – Human Resource Development Centre, The University of Burdwan from 08.09.2020 to 21.09.2020 On 14.09.2020.
- II. Delivered a Lecture on “KeyStroke Dynamics: Issues and Challenges” in the International One-Week Online Lecture Series on “Trends in Artificial Intelligence & Machine Learning” on 19th July 2020 organized by the Department of Computer Application, North Orissa University.
- III. Delivered a Lecture on “Internet of things : Research trends and user authentication issues” in the State level webinar organised by The Department of Computer Science, Computer Application and IQAC, Sarojini Naidu college of Women, Dumdum, Kol 28 on 15th July, 2020.
- IV. Participated the discussion program on National Cyber Security Awareness. Place of Broadcast: DD-Bangla, Date : 12.10.2020.

b. Madhusudan Paul

Presented a paper in the conference The 19th Asia Pacific Bioinformatics Conference, Date: February 3rd-5th, 2021, National Cheng Kung University, Tainan, Taiwan (Online).

Research Scholars:

a. Abu Sufian (Supervisor: Prof. Paramartha Dutta)

- I. Invited Speaker in Webinar on “Efficacy and Importance of IT in COVID Pandemic Condition”, Organized By Department of Computer Science and Applications, Malda College, Malda on 28th July, 2020.
- II. Attended Second Doctoral Symposium on Intelligence Enabled Research, Department of CSS, Visva-Bharati, Santiniketan, India, August 12-13, 2020. (Paper presented in Virtual mode).
- III. Attended 55th Annual Conference on Information Sciences and Systems (CISS), March 24, 25, & 26, 2021 Hosted by the Department of Electrical and Computer Engineering, Johns Hopkins University and Technical Co-sponsorship by the IEEE Information Theory Society (Paper presented in Virtual mode).

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Publications:

A. Single author:

i. Journal:

1. "Impact of low-confidence interactions on computational identification of protein complexes." **Paul, Madhusudan**, and Anand, Ashish. *Journal of Bioinformatics and Computational Biology* (2020), 18.4: 2050025-2050025.
2. "Impact of the Continuous Evolution of Gene Ontology on the Performance of Similarity Measures for Scoring Confidence of Protein Interactions." **Paul, Madhusudan**, Anand, Ashish and Pyne, Saptarshi. *SN Computer Science* (2020), 1.6: 1-12.
3. "A survey on deep transfer learning to edge computing for mitigating the COVID-19 pandemic." **Sufian, Abu** , Ghosh, Anirudha , Sadiq, Ali Safaa and Smarandache, Florentin. *Journal of Systems Architecture* (2020), 108: 101830.
4. "TFBN: A Cost Effective High Performance Hierarchical Interconnection Network." Rahman, M. M., Al-Naeem, Mohammed, Ali, Mohammed NM and **Sufian, Abu**. *Applied Sciences* (2020), 10, no. 22: 8252.
5. "Smart-Green-Mult (SGM): overhear from topological kingpins in software defined wireless sensor networks." Banerjee, Anuradha and **Sufian, Abu**. *Journal of Ambient Intelligence and Humanized Computing* (2021): 12:387-404.
6. "Domain knowledge based genetic algorithms for mobile robot path planning having single and multiple targets." Sarkar, Ritam, **Barman, Debaditya** and Chowdhury, Nirmalya. *Journal of King Saud University-Computer and Information Sciences* (2020), <https://doi.org/10.1016/j.jksuci.2020.10.010>
7. "Overlapping Community Detection Using Multiobjective Genetic Algorithm." Kumar, Amit, **Barman, Debaditya**, Sarkar, Ritam and Chowdhury, Nirmalya. *IEEE Transactions on Computational Social Systems* (2020), 7, no. 3: 802-817.
8. "Personalized query recommendation system: A genetic algorithm approach." **Barman, Debaditya**, Sarkar, Ritam, Tudu, Anil and Chowdhury, Nirmalya. *Journal of Interdisciplinary Mathematics* (2020), 23, no. 2: 523-535.

ii. Conference:

A New Family of Similarity Measures for Scoring Confidence of Protein Interactions using Gene Ontology, **Paul, Madhusudan**, and Anand, Ashish, The 19th Asia Pacific Bioinformatics Conference (APBC2021), 2021, Taiwan.

iii. Book (Edited) :

Computational Intelligence for Human Action Recognition, De, Sourav, and **Dutta, Paramartha**, CRC Press, 2020.

iv. Book Chapter:

1. "High Payload RDH Through Directional PVO Exploiting Center- Folding Strategy.", Meikap, Sudipta, Jana, Biswapati, Bera, Prasenjit and **Singh, Prabhash Kumar**, Advances in Intelligent Systems and Computing, ISBN 978-981-15-7833-5, 2020, Volume 1255, pp 659-670, Springer
2. "Insights of artificial intelligence to stop spread of covid-19." **Sufian, Abu**, Jat, Dharm Singh and Banerjee, Anuradha, In Big Data Analytics and Artificial Intelligence Against COVID-19: Innovation Vision and Approach, pp. 177-190. Springer, Cham, 2020.

b. Joint Authors:

i. Journal:

1. "Automatic Facial Expression Recognition System Using Shape-Information-Matrix (SIM): An Expression Specific Approach", **Nandi, Avishek, Paramartha Dutta**, and **Md Nasir**, International Journal of Natural Computing Research (IJNCR), 2020, 9(4), 34-51.
2. "Evolution of image segmentation using deep convolutional neural network: a survey", **Sultana, Farhana, Abu Sufian**, and **Paramartha Dutta**, Knowledge-Based Systems 201 (2020): 106062.
3. "NN based analytic approach to symbol level recognition for degraded Bangla printed documents ", **Mukherjee, Jayati**, Parui, Swapan K, **Roy, Utpal**, Sadhana journal (SCIE), Pp. 1-22, Vol-45, Issue-1, Dec 2020, ISSN- e256-2499.
4. "Superpixel based robust reversible data hiding scheme exploiting Arnold transform with DCT and CA", **Singh, Prabhash Kumar**, Jana, Biswapati, and **Datta, Kakali**, Journal of King Saud University-Computer and Information Sciences (2020), <https://doi.org/10.1016/j.jksuci.2020.09.014>.

ii. Conference:

1. "Recognition of Change in Facial Expressions From Video Sequence Using Incenter-Circumcenter Pair Gradient Signature", **Nasir, Md, Dutta, Paramartha** and **Nandi, Avishek**, In Intelligent System Design, (pp. 771-779). Springer, Singapore, 2021.
2. "Recognition of Transforming Behavior of Human Emotions from Face Video Sequence: A Triangulation-Induced Circumradius-Incenter-Circumcenter Combined

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- Approach”, **Nasir, Md, Dutta, Paramartha** and **Nandi, Avishek**, In *Intelligence Enabled Research* (pp. 87-96). Springer, Singapore, 2021.
3. "Human Emotion Classification: An Expression Specific Geometric Approach", **Nasir, Md, Dutta, Paramartha** and **Nandi, Avishek**, International Conference on Computational Performance Evaluation (ComPE). IEEE, 2020.
 4. "Recognition of Changes in Human Emotion from Face Image Sequence using Triangulation Induced Barycentre-Orthocentre Paired Distance Signature", **Nasir, Md, Dutta, Paramartha** and **Nandi, Avishek**, International Conference on Computational Performance Evaluation (ComPE). IEEE, 2020.
 5. "A Tree Multicast Routing Based on Fuzzy Mathematics in Mobile Ad-Hoc Networks", **Abu, Sufian**, Banerjee, Anuradha, and **Dutta, Paramartha**, *Applications of Internet of Things*. Springer, Singapore, 2020. 107-117.
 6. "HFAIR: Hello Devoid Optimized Version of FAIR Protocol for Mobile Ad hoc Networks", **Abu, Sufian**, Banerjee, Anuradha, and **Dutta, Paramartha**, In *Intelligence Enabled Research*, pp. 45-54. Springer, Singapore, 2020.
 7. "Recognition of Degraded Bangla Documents Using Hybrid Deep Neural Network Model”, **Mukherjee, Jayati**, and **Roy, Utpal**, International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE- 2021), ISBN-978-1-7281-7742-7, **DOI:10.1109/ICACITE51222.2021.9404691**.
 8. "Robust Watermarking Scheme for Compressed Image through DCT exploiting Superpixel and Arnold Transform”, **Singh, Prabhash Kumar**, Jana, Biswapati and **Datta, Kakali**, in the Proceedings of the 6th International Conference on Mathematics and Computing (ICMC 2020) scheduled to be held during September 23-25, 2020 (in virtual mode) at the Sikkim University, Gangtok, Sikkim, India.

iii. Book (Edited)

1. "Intelligence Enabled Research DoSIER 2020”, **Bhattacharyya, Siddhartha, Dutta, Paramartha**, and **Datta, Kakali**, Springer Nature Singapore Pte Ltd. ISSN 2194-5357 ISSN 2194-5365 (electronic) *Advances in Intelligent Systems and Computing* ISBN 978-981-15-9289-8 ISBN 978-981-15-9290-8 (eBook) <https://doi.org/10.1007/978-981-15-9290-4>.

iv. Book Chapter:

1. "Recognizing human emotions from facial images by landmark triangulation: a combined circumcenter-incenter-centroid trio feature-based method", **Nandi, Avishek, Dutta, Paramartha**, and **Nasir, Md**, *Algorithms in Machine Learning Paradigms*. Springer, Singapore, 2020. 147-164.

2. "A study on the influence of Angular Signature of landmark induced Triangulation in recognizing changes in human emotion", **Nasir, Md, Dutta, Paramartha** and **Nandi, Avishek**, in Computational Intelligence for Human Action Recognition, Chapter 4, eBook ISBN:9780429061486,.CRC Press, Taylor and Francis, 2020.
3. "A review on object detection models based on Convolutional Neural Network", **Sultana, Farhana, Sufian, Abu,** and **Dutta, Paramartha**, Intelligent Computing: Image Processing Based Application, pp 1-16, Springer, Singapore, 2020.

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

Department has designed the syllabus of M.Sc. in Computer Science.

DEPARTMENT OF ENVIRONMENTAL STUDIES

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.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE examination:

| Sl. No. | Name of the Student | Qualifying examination |
|---------|---------------------|------------------------|
| 1 | Arindam Mondal | NET-LS |
| 2 | Buddhadev Ghosh | NET-LS |
| 3 | Kanika Mahato | NET-LS |
| 4 | Koyeli Das | NET-LS |

Departmental Seminar:

The Department of Environmental Studies conducted one webinar during 2020-21 and details of this are given below:

"Importance of Environmental Economics: Principles and Applications" a Webinar was presented by Dr. Krishanu Sarkar, Assistant Professor, Dept. of Economics, Durgapur Women's College, Durgapur, on January 19th, 2021, 10.00 a.m. - 12.30 p.m

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

Shibani Chaudhury

1. Apurba Kole, Aishiki Banerjee, Aman Basu, Binoy Kumar Show, Shibani Chaudhury, S Balachandran (2020) Sustainable Removal of Nutrient by Water Hyacinth (*Eichhornia crassipes*), paper presented in Fourth International conference on the theme Mother Earth: Theme Mother Earth: Nurture the Nature to Have a Better Future, August 27 to 29, 2020, organised by Department of Environmental Sciences, The University of Burdwan, Burdwan.
2. Subhasis Pal and Shibani Chaudhury, Human health risk: Consumption of *Pila globosa* collected from pesticide treated paddy fields in India, 4th International Conference on the Theme Mother Earth: Nurture the Nature to Have a Better Future-27th-29th Aug 2020.
3. Shibani Chaudhury, Biomass to bio energy: Women and development, Summit on Women in Technology “Role of Women in Sustainable Technology and Climate Change”, CSIR-Central Institute of Mining and Fuel Research, Digwadih, Dhanbad, Jharkhand, March 08, 2021.

Pratap Kumar Padhy

Ghosh, B., Nayek, S. and Padhy, P. K. (2020). Assessment of respiratory morbidity from tobacco smoking in young adult students, Paper presented in the Fourth International conference on the theme, “Mother Earth: Nurture the Nature to Have a Better Future”, August 27 to 29, 2020, organized by the Department of Environmental Sciences, The University of Burdwan, Burdwan.

S. Balachandran

Apurba Kole, Aishiki Banerjee, Aman Basu, Binoy Kumar Show, Shibani Chaudhury, S Balachandran (2020) Sustainable Removal of Nutrient by Water Hyacinth (*Eichhornia crassipes*), paper presented in Fourth International conference on the theme Mother Earth: Theme Mother Earth: Nurture the Nature to Have a Better Future, August 27 to 29, 2020, organised by Department of Environmental Sciences, The University of Burdwan, Burdwan.

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Ongoing Research Projects in the Departments:

Shibani Chaudhury

1. Name of the Project: “Development, Research and Pilot scale installation of solar-hydro pumped storage scheme in a remote village of Manipur to ensure 24x7 electricity”
Sponsoring agency: DST, November 2018-October 2020
Collaboration with Dr. SP Gonchaudhury, NBIRT Kolkata
Amount Sanctioned: Rs. 2,60,67,500 of which amount for Visva-Bharati is Rs. 88,57,000.
Prof. Shibani Chaudhury, Dept. of Environmental Studies is the Principal Investigator and Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and **Dr.S. Balachandran, Dept. of Environmental Studies** are the Co-Investigators of the project.
2. Name of the Project: “*BioEnergy, Fertiliser and clean Water from invasive Aquatic Macrophytes*”
Sponsoring Agency: Biotechnology and Biological Sciences Research Council (“**BBSRC**”) (the “**Funder**”), United Kingdom under the GCRF Industrial Biotechnology and Bioenergy in the Developing World fund
Period: January 2019-December 2021
Amount Sanctioned: Rs. 2,37,85,233.43.
Prof. Shibani Chaudhury, Dept. of Environmental Studies, Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and **Dr. S. Balachandran, Dept. of Environmental Studies** are the Co-Investigators of the project, Principal Investigator of the Project Andrew B Ross, University of Leeds, UK.
3. Name of the Project: Teachers Associateship for Research Excellence (TARE) to Dr.M Senthil, Kumar, St. Xavier's College, St. Xavier's Road, P.o. Sripally, Burdwan, West Bengal - under the mentorship of **Prof. Shibani Chaudhury** at Visva-Bharati, Santiniketan. Bolpur – 731235
Sponsoring Agency: SERB-DST
Amount sanctioned: Rs. 18.30,000/-
Duration of the project: November 2018-October 2021
Pratap Kumar Padhy
Name of the Project: **Scheme for Promotion of Academic and Research Collaboration** (SPARC) titled “Fine particulates matters in the air environment and their cancer risks in human beings”.
Principal Investigator: **Prof. Pratap Kumar Padhy**, Department of Environmental Studies.

Funding agency: MHRD, Government of India
Sponsoring Agency: Rs. 70,77,190
Duration of the Project: March 2019-September 2021

Pulak Kumar Patra

Name of the Project: **Scheme for Promotion of Academic and Research Collaboration (SPARC)** titled “Fine particulates matters in the air environment and their cancer risks in human beings”.

Co PI: Dr. Pulak Kumar Patra, DES

Funding agency: MHRD, Government of India

Sponsoring Agency: Rs. 70,77,190

Duration of the Project: March 2019-September 2021

S. Balachandran

1. Name of the Project: “Development, Research and Pilot scale installation of solar-hydro pumped storage scheme in a remote village of Manipur to ensure 24x7 electricity”
Sponsoring agency: DST, November 2018-October 2020
Collaboration with Dr. SP Gonchaudhury, NBIRT Kolkata
Amount Sanctioned: Rs. 2,60, 67,500 of which amount for Visva-Bharati is Rs. 88,57,000.
Prof. Shibani Chaudhury, Dept. of Environmental Studies is the Principal Investigator and Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and **Dr. S. Balachandran, Dept. of Environmental Studies** are the Co-Investigators of the project.
2. Name of the Project: “*BioEnergy, Fertiliser and clean Water from invasive Aquatic Macrophytes*”
Sponsoring Agency: Biotechnology and Biological Sciences Research Council (“**BBSRC**”) (the “**Funder**”), United Kingdom under the GCRF Industrial Biotechnology and Bioenergy in the Developing World fund,
Period: January 2019-December 2021
Amount Sanctioned; Rs. 2,37,85,233.43. **Prof. Shibani Chaudhury, Dept. of Environmental Studies**, Prof. Amit Kumar Hazra, Department of Lifelong Learning & Extension, PSV and **Dr. S. Balachandran, Dept. of Environmental Studies** are the Co-Investigators of the project, Principal Investigator of the Project Andrew B Ross, University of Leeds, UK.
3. Name of the Project: “*Earthworm Gut Microbes Mediated Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs) Remediation in Contaminated Soil*” submitted to DBT

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under Twinning Program

Sponsoring Agency: DBT Twinning project, Period; December 2018-December 2021

Collaboration with Department of Environmental Sciences, Tezpur University

Amount Sanctioned: Rs. **56,39,200** /- of which amount for Visva-Bharati is Rs. 2254600/-.

Dr. S. Balachandran (PI), Dept. of Environmental Studies and Prof. N.C. Mandal, Dept. of Botany, Visva-Bharati (Co-PI).

Extension activities/NSS/cultural and other activities organized by the department and participated by the teachers and students of the department

Shibani Chaudhury

1. **Shibani Chaudhury**, Chairperson, Technical Session 1, 4th International Conference on the Theme Mother Earth:Nurture the Nature to Have a Better Future-27th-29th Aug 2020 organized by the Department of Environmental Science in Google Meet Platform on August 27, 2020 at 1.00 pm.
2. **Shibani Chaudhury**, Resource Person, - Renewable Energy: Biomass and its application, March 12, 2021, UGC-Human Resource Development Centre (HRDC) (Formerly UGC-Academic Staff College) University of Calcutta, Refresher Course in Environmental Studies , March 13-27, 2021, using online platform.

P.K. Padhy

1. **Padhy, P. K.**, (2020). Environment: Perception of India versus World. Invited talk through Webinar at Prist University, Thanjavur-613403, Tamilnadu, on 5th June 2020.
2. **Padhy, P. K.**, (2020). Role of Biodiversity in Human Welfare and its Sustainability Aspects. Invited Talk in the Two day International Webinar on Biodiversity and Sustainable Development in Human Welfare, Organized by IQAC of Bijoy Krishna Girls' College, Howrah, in collaboration with West Bengal Biodiversity Board, during 29-30th July 2020.
3. **Padhy, P. K.**, (2020). Air pollution and its effects on human health and wellbeing. Resource Person in a National Webinar, Organized by the Department of Chemistry, Anadapur College, Anandapur, Keonjhar, Odisha on 19th December, 2020.

Pulak Kumar Patra

Patra, P. K., (2020). Water quality and Health. Resource Person in a National Webinar, Organized by the Department of Chemistry, Anadapur College, Anandapur, Keonjhar, Odisha on 19th December, 2020

S. Balachandran

Resource Person for the UGC-Sponsored Online Refresher Course in Environmental Sciences (Multidisciplinary), conducted by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli for University and College Teachers on Google Meet platform, as detailed below: Date and Session: 08.03.2021 - 02.00 p.m. to 05.00 p.m. Topic: Persistent Organic Pollutants

Publications:

Individual Publications

a) **Journal article**

- 1) “Ecophysiological responses of tree species due to air pollution for biomonitoring of environmental health in urban area”. Dipti Karmakar, Kuheli Deb and Padhy, P. K. (2021)., *Urban Climate*, 35, 100741.
- 2) “Water pollution index--A new integrated approach to rank water quality”. Hossain, Mobarok and Patra, Pulak Kumar, 2020, *Ecological Indicators*, v.117,pp.1066-68, <https://doi.org/10.1016/j.ecolind.2020.106668>.
- 3) “Spatial and sensitivity analysis of integrated groundwater quality index towards irrigational suitability investigation.” Hossain, Mobarok, Patra, Pulak Kumar, Begum, Syeda Nurunnesa and Rahaman, Chowdhury Habibur 2020, *Applied Geochemistry*, v-123, pp1047-82; <https://doi.org/10.1016/j.apgeochem.2020.104782>.
- 4) “Choice of ideal sunshine hour based model to predict global solar radiation in India”. Samanta, Suman, Banerjee, Saon, Patra, Pulak Kumar, Maiti, Sudhansu Sekhar and Chattopadhyay, Nabansu 2020, *Mausam*, v.71(3), pp.451—466, {IMD; ISSN: 0252-9416.}
- 5) “Effect of land use on soil carbon fractions”. Pal, D., Patra, P.K., Deb, D., Bhattacharyya, R. and Mukhopadhyay, D. 2020; *Jour. of Indian Soc. of Soil Science*, v.68, pp.392-99.
- 6) “Investigation of groundwater quality in for agricultural use in a lateritic soil belt”. Hossain, Mobarok and Patra, Pulak Kumar, 2021, , *Indian Journal of Environmental Protection*, v.41 p.34-41.
- 7) “Recent trends in the analysis of trace elements in the field of environmental research: A review”. Hossain, Mobarok and Karmakar, Dipti and Begum, Syeda Nurunnesa and Ali, Syed Yakub and Patra, Pulak Kumar, 2021;; *Microchemical Journal*, v-165, pp.1060-86, <https://doi.org/10.1016/j.microc.2021.106086>.
- 8) “Indoor Quality of Residential Homes and Schools of an Industrial Area in Asansol: Characterization, Bioaccessibility and Health Risk Assessment of Potentially Toxic Elements, Nature Environment and Pollution Technology.” Pal, M., Gope, M., Basu, A.,

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- Laha, T., Masto, R. E., Labar, R., Kundu, T. K. , Hoque, R. R. , Khillare, P. S. and Balachandran, S (2020), *An International Quarterly Scientific Journal*, 2021, Vol (20) pp. 13-28, <https://doi.org/10.46488/NEPT.2021.v20i01.002>.
- 9) “Elucidating the distribution and sources of street dust bound PAHs in Durgapur, India: A probabilistic health risk assessment study by Monte-Carlo simulation”. Gope, Manash, Masto, Reginald Ebhin, Basu, Aman, Bhattacharyya, Debopriya, Saha, Rajnarayan, Hoque, Raza Rafiqul, Khillare, P.S. and Balachandran, Srinivasan (2020), *Environmental Pollution*, Volume 267, 2020, 115669, <https://doi.org/10.1016/j.envpol.2020.115669>.
 - 10) “Oral bioaccessibility of potentially toxic elements (PTEs) and related health risk in urban playground soil from a medieval bell metal industrial town Khagra, India”. Laha, T., Gope, M., Datta, S. Mato R.E., Balachandran S. (2020) *Environ Geochem Health* (2020). <https://doi.org/10.1007/s10653-020-00715-y>.
 - 11) “Assessment of bioassay test of the effluent and impact of selected physiochemical parameters of Kota super thermal power plant’s effluent on Kota barrage lake water, Kota Rajasthan, India”. Kumar, Parveen, Rawat Ranjan, Manju, Tripathi, Ashutosh and Balachandran, S. (2020), *Plant Archives* Vol. 20 Supplement 1, 2020 pp. 983-987

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

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 for teaching the two years M.Sc. program in Biotechnology. Many teachers of Botany, Zoology and other relevant science Departments assisted in conducting the courses. In 2004 the Centre started receiving support for this M.Sc. program from the Department of Biotechnology, GoI. Under this program, students got admitted in to the course after qualifying in the all India based Combined Entrance Examination of Biotechnology (CEEB) conducted by JNU. The syllabus was also as per the model developed by DBT from time to time since then. Faculty positions were sanctioned for the centre by UGC and the teachers in Biotechnology joined in 2002 and onwards. The Centre was converted 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 moved to the new science building of Siksha Bhavana in 2015 with dedicated laboratories for 7 teachers, one meeting cum-computer room, two class rooms, one 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 and a good number of research scholars working and publishing papers in referred journals with good impact factors. The Department still requires at least one class room for practical/Lab works, sitting room of HOD, one animal house and one cell culture facility to conduct important biotech experiments, 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. The students of the department routinely qualified in several national level exams such as, NET, GATE etc. etc. The teachers are regularly bringing in extramural research funding. The department is running a vibrant PhD program and the students receiving PhD degrees are getting engaged in relevant fields of expertise regularly.

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

1. Satadruta Das (DBT-JRF 2020, ICMR-JRF 2020)
2. Aman Kumar (CSIR-UGC NET-LS-2020)
3. Smaran Banerjee (GATE-2021)
4. Merlinsheeba GL (TIFR GS 2021, GATE XL 2021)

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Departmental seminars (Speakers, title of the seminar, date)

Seminar by M.Sc. Part-I and M.Sc. Part II students as well as departmental research scholars:

| | | |
|------------|----------------------------|--|
| 06.10.2020 | Lingareddy Tanusha | Crispr-cas9 gene editing |
| 07.10.2020 | Aman Dhiman | COVID-19 infection: Origin, transmission and characteristics of human coronaviruses |
| 13.10.2020 | Ayan Mandal | Estrogen:Protector against colorectal cancer |
| 03.11.2020 | Ankita Mandal | Immunology of Psoriasis |
| 04.11.2020 | Chandan Kumar Mishra | Vertical farming- future of food |
| 11.11.2020 | Shweta Soren | Edible Vaccines |
| 17.11.2020 | Smaran Banerjee | Expression of a Tardigrade Dsup Gene enhances Genome Protection in plants |
| 18.11.2020 | Anupriya Chattopadhyaya | No Guts, No Glory : A Microbiota fuelled Immune Firewall |
| 24.11.2020 | Lingareddy Tanusha | Synthetic Genome |
| 01.12.2020 | Ayan Mondal | Nanovaccine |
| 02.12.2020 | Aman Dhiman | The biology and control of phlebotomine sand flies |
| 12.01.2021 | Amulya Nallapu | Tobacco mosaic virus uses in pharmaceutical research |
| 13.01.2021 | Agniv Shome | Oncolytic Virus Therapy for Melanomas |
| 19.01.2021 | Arpita Adhikary | Disc degenerative disease and its potential therapy through stem cells |
| 20.01.2021 | Debjit Maity | Multiple Myeloma and its Treatment by Chimeric Antigen Receptor (CAR) T-cell therapy |
| 27.01.2021 | Deokrishna Kumar Choudhary | Single cell protein |
| 02.02.2021 | Divya jaiswal | Nanotechnology in cancer treatment |
| 03.02.2021 | Durganand Thakur | Bioplastic an alternative to conventional plastic |
| 17.02.2021 | Gargi Mahanty | MICP based biocement production using urea and hard water |
| 23.02.2021 | Manisha Pal | Human organoid: Novel technology for disease modelling |

| | | |
|------------|------------------------|---|
| 24.02.2021 | Mainak Munshi Karmakar | Biofertilizers: Potential Approach For Sustainable Agriculture Development" |
| 02.03.2021 | Nikhil Kumar | CRISPR cas9 a gene editing tool |
| 03.03.2021 | Maisnam Nikita Chanu | OGR1 a new metastasis suppressor gene in Prostate cancer |

The Seminars by Invited speakers:

Online seminars on “Bioprocess engineering and its application” by Prof. Ramkrishna Sen, Department of Biotechnology, IIT Kharagpur. Part-A: 29-11-2020, Part-B: 30-11-2020.

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

(A) Teachers:

Narottam Dey

1. Made a presentation on “Indigenous rice landraces of Bengal-Potentiality and opportunity” in an International online conference on “Engineering Biotic interactions in the light of Social Applicability. Organized by Maharajadhiraj Uday Chand Women’s College, Burdwan on 7-10 August, 2020.
2. Made a presentation on “Traditional rice lines of Bengal-their significance and utilization” in an International Webinar on “Applied Aspects of Plant Science” organized by Bankura Christian College 8-9 September, 2020.

(B) Research scholars:

Mukherjee M, Das C, Jana CK and Das N. Studying the antioxidant effect of *Ocimum gratissimum*. The International Web-Conference on New Trends in Agriculture, Environmental & Biological Sciences for inclusive Development 2020 (NTAEBSID-2020). Babasaheb Bhimrao Ambedkar University, Lucknow, June 21-22, 2020. Pp 150- 151.

Ongoing research projects in the Department:

1. Name of the teacher: **Dr. Tathagata Choudhuri (PI)**
Name of the Project: “Medicinal Plant Project.” 2015- 2021.
Sponsoring agencies: ICAR, Govt. of India
Amount sanction: Rs. 33.20 Lakh
2. Name of the teacher: **Dr. Tathagata Choudhuri (PI)**
Name of the Project: “Therapeutic intervention against Primary Effusion Lymphoma targeting Wnt signaling pathway.” 2021- 2024.

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Sponsoring agencies: ICMR, Govt of India.

Amount sanction: Rs. 50 Lakh

3. Name of the teacher: **Dr. Tathagata Choudhuri (PI)**

Name of the Project: “Investigation of the therapeutic compound repurposing for COVID19” 2020- 2021.

Sponsoring agencies: HPC-COVID19 (DST, Govt of India).

Amount sanction: Rs. 5 Lakh

4. Name of the teacher: **Dr. Jolly Basak (PI)**

Name of the Project: “Identification and characterization of *Phaseolus vulgaris* long non-coding RNAs responsive to mungbean yellow mosaic india virus infection.” May 2017-Aug 2020.

Sponsoring agencies: CSIR, Govt. of India

Amount sanction: Rs. 31 Lacs

5. Name of the teacher: **Dr. Narottam Dey (PI)**

Name of the Project: Assessment of combinatorial effect of SUB1A and SK loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation, SERB, Govt. of India, Running period: March, 2021-March, 2024

Sponsoring agency: SERB, Govt of India.

Amount sanctioned: Rs. 42,64,832/-

6. Name of the Teacher: **Dr. Narottam Dey (PI)**

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. July, 2018 to July, 2021.

Sponsoring agency: Department of Science & Technology and Biotechnology, Government of West Bengal.

Amount sanctioned: Rs. 11,99,800/-

7. Name of the Teacher: **Dr. Narottam Dey (PI)**

Name of the Project: Genetic improvement and popularization of Komal Chawl-a potential rice preparation for soldiers posted in remote places July, 2017 to Dec, 2020.

Sponsoring agency: DRDO, Govt. of India.

Amount sanctioned: Rs. 26,34,688/-

8. Name of the teacher: **Dr. Samiran Saha (PI)**

Name of the Project: Twinning Project entitled 'Study of induction and mechanisms of Autophagy in EAC cells upon treatment with Theaflavins'. 2019-2020

Sponsoring agency: DBT, Govt. of India.

Amount sanctioned: Amount sanctioned for Visva-Bharati: Rs. 21.25 lakh.

Academic distinctions gained by Teachers/ Scholars of the Department as a whole (Including recognition as DSA or CAS) etc.

Prof. Tathagata Chaudhuri elected as Fellow of Academy of Science and Technology, West Bengal, 2020.

Publications :

(i) Books:

ROS induced regulatory crosstalk with autophagy and Akt/mTOR signaling in cancer cells. Piyanki Das, Koustav Chatterjee and Tathagata Choudhuri. ISBN 978-981-15-9412-0.

Nibedita Chakrabarty, Priyanka Chakraborty, Rajib Bandopadhyay, Jolly Basak*. 2021. Deciphering the Molecular Mechanisms of Biotic Stress Tolerance Unravels the Mystery of Plant-Pathogen Interaction Springer book 'Sustainable Agriculture Reviews 51: Legume Agriculture and Biotechnology. Vol 2'. 978-3-030-68827-1, 508895. Praveen Guleria et al. (Eds)

(iv) Research papers (Authors, title of the paper, year, Journal vol. no., pages):

- 1) "Molecular cloning, characterisation and expression of a gene encoding cellobiose dehydrogenase from *Termitomyces clypeatu*". Banerjee, Sanchita and Roy, Amit., **Gene reports**, 2021, Vol. 23, <https://doi.org/10.1016/j.genrep.2021.101063>.
- 2) "Combinatorial therapeutic plan for COVID-19 treatment armed up with antiviral, antiparasitic, cell-entry inhibitor, and immune-boosters". Chattopadhyay, NR., Chatterjee, K., Banerjee, A., Choudhuri, T., **Virus Diseases**, 2020. 31(4): 479–489. ISSN 2347-3584.
- 3) "Decoding the global outbreak of COVID-19 – the nature is behind the scene." Das, Piyanki Chaudhuri, T. **Virus Diseases**, 2020. 31(2):106-112. ISSN 2347-3584.
- 4) "Kaposi's sarcoma-associated herpesvirus related malignancy in India, a rare but emerging member to be considered". Das Piyanki, Roy Chattopadhyay Nabanita, Chatterjee Koustav & Choudhuri Tathagata. **Virus Diseases**, 2020. 31(3): 209-219. ISSN 2347-3584.
- 5) "Differential responses of *Phaseolus vulgaris* cultivars following mungbean yellow mosaic India virus infection". Patwa N, Chatterjee C and Basak J*. **Physiol Mol Biol Plants**. 2020. <https://doi.org/10.1007/s12298-019-00741-w>. IF – 2.005

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- 6) “Expression study of an Amino Acid Permease-like gene in *Phaseolus vulgaris* L.” Patwa N, Chakraborty B & Basak J*. *Plant Science Today*, 2020. Vol 7(2): 251-256.
- 7) “Identification of new strain of mungbean yellow mosaic virus infecting French bean (*Phaseolus vulgaris* L.) in Santiniketan.” Patwa N, Kumari V and Basak J*. *Indian Journal of Biotechnology*. 2020. Vol. 19, 113-117. IF – 0.413
- 8) “Elucidating the functional role of predicted miRNAs in post-transcriptional gene regulation along with symbiosis in *Medicago truncatula*.” Roy Chowdhury M, Basak J* and Bahadur RP*. *Current Bioinformatics*, 2020. 108-120. IF – 2.068
- 9) “Study on regulation of carbohydrate usage in a heterogeneous rice population under submergence.” Samanta P, Ganie SA, Chakraborty A and Dey N. *Journal of Plant Biochemistry and Biotechnology*. 2020. 30: 138–146. IF- 0.935
- 10) “Growth promoting properties of *Mycobacterium* and *Bacillus* on rice plants under induced drought”. Karmakar J, Goswami S, Pramanik K, Maiti TK, Kar RK and Dey N. *Plant science today*. 2021. 8(1): 49–57.
- 11) “Genomic analysis of polycarpellary rice (*Oryza sativa* L.) through whole genome re-sequencing”. Das SP, Jastoria RS, Deb D, Iquebal MA, Jaiswal S and Dey N. *Journal of Plant Biochemistry and Biotechnology*. 2020. <https://doi.org/10.1007/s13562-020-00602-8>. IF- 0.935
- 12) “Chlorogenic acid acts upon *Leishmania donovani* arresting cell cycle and modulating cytokines and nitric oxide in vitro.” Majumder N, Ganguly S, Ghosh AK, Kundu S, Banerjee A, Saha S. *Parasite Immunol*. 2020. 42:e12719. ISSN: 1365-3024. IF: 2.755.

(v) Numbers of papers published in peer reviewed journals:

National: 1 ; International: 11; Total = 12

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

In 2020 the Department of Biotechnology, Visva-Bharati received a five years grant for Post-graduate teaching in Biotechnology from the DBT, Govt. of India. Under this program, DBT (GoI) will financially support each of the admitted students with Rs. 5000/- per month stipend, practical classes and project works expenditure, maintenance of equipments, purchase of new books etc. In addition, it has sanctioned Rs. 50 lakhs towards purchases of new major equipments to reinforce the teaching quality of the department. The students in this course for 2020-2021 session were admitted through all India based competitive examination conducted by Regional Centre for Bioinformatics, Faridabad under the guidance of DBT (GoI).

The Department of Biotechnology moved to the new Extension complex of Siksha Bhavana in 2015 with dedicated laboratories for 6 teachers, one office room, one computer

room, two class rooms, one practical room with dedicated instruments and one Instrumentation room. However, the space is still insufficient due to the growth of the Department with almost every faculty with multiple projects from external funding agencies and also a large number of research scholars are working and publishing papers in referred journals with good impact factors. The Department still require one more instrumentation room, one animal house to conduct important biotech research related experiments, 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. Seven new faculty positions have been advertised for recruitment in 2020-2021 to this department whose addition to the departmental teaching and research programs will allow the department to turn itself into an extremely strong curriculum for Biotechnology discipline in the country. However, with the arrival of new faculty this space shortage will turn very acute.

**INTEGRATED SCIENCE EDUCATION AND RESEARCH CENTRE
(ISERC)**

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

NET: 1

GATE: 1

**National and International standard Conference/Seminar/Workshop/Webinar etc.
attended by the Teachers/Research Scholars:**

Teachers:

Subrata Sinha

Delivered invited talk entitled “UV-Visible Spectroscopy: Techniques and Applications in Plastic” in the “Refresher Course in Emerging Trends in Science and Technology”, UGC – Human Resource Development Centre, The University of Burdwan, duration: 08.09.2020 – 21.09.2020. Talk delivered on 09.09.2020 (online mode)

Mahasweta Nandi

Participated and delivered invited talk in the webinar on ‘Functional porous materials based on acrylonitrile polymers’, School of Advanced Sciences, Kalasalingam Academy of Research and Education, Srivilliputhur, Tamil Nadu, July 10, 2020.

Participated and delivered invited talk entitled “Porous structures and carbon frameworks derived from acrylonitrile polymers” in the International Webinar on “Recent Advances in Chemistry”, Department of Chemistry, Vivekananda Mahavidyalaya, Burdwan, West Bengal, July 15, 2020.

Swapan Kumar Pandit

Participated and delivered invited talk entitled “Beyond linear equations and hyper complex numbers” in the national webinar on “Mathematics and its Application in Science”, Avedananda Mahavidyalaya, Sainthia, Birbhum, WB, September 14-15, 2020.

Session Chaired on September 15 (12:50pm-1:50pm), 2020 for the Two-Day National Webinar on “Mathematics and its Application in Science”, Avedananda Mahavidyalaya, Sainthia, Birbhum, WB, September 14-15, 2020.

Research Scholars:

Rupchand Malo

Participated and delivered talk entitled “Natural Convection of Cu-Water Nanofluid with Vertically Thin Baffles” in the 1st International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering (AACMME-2021), NIT Rourkela, February 24-26, 2021.

Ongoing Research Projects in the Department:

Name of the Investigator: Dr. Mahasweta Nandi (Principal Investigator)

Title of the project and duration: Functional nanomaterials based on mesoporous silica and their potential applications. (Sanction No.: ST/P/S&T/15G-20/2018, dated: 01/02/2019) (2019-2022)

Amount sanctioned: Rs. 5,00,000/- (2019-2021)

Funding Agency: WB-DST

Publications:

Papers published in peer reviewed journals:

- 1) “Supercapacitor behaviour of manganese dioxide decorated mesoporous silica synthesized by a rapid sol–gel inverse micelle method.” Pal, Ananya, Das, Trisha, Ghosh, Susanta and Nandi, Mahasweta. Dalton Trans., 49, 2020, 12716–12730.
- 2) “Irregularly shaped Zn_{0.6}Mn_{2.4}O₄ nanoparticles for supercapacitors and nitroaromatics detection”. Ghosh, Debamalya, Pal, Ananya, Singha, Debal Kanti, Ghosh, Susanta, Lebedev, Oleg I., Seikh, Md. Motin and Mahata, Partha. ACS Applied Nano Materials, 3 (10), 2020, 10105–10114.
- 3) “Dual chemosensors for metal ions: A comprehensive review”. Roy, Ankita, Nandi, Mahasweta and Roy, Partha. Trends in Analytical Chemistry, 138, 2021, 116204.
- 4) “Improved photocurrent response, photostability and photocatalytic hydrogen generation ability of CdS nanoparticles in presence of mesoporous carbon”. Banerjee, Rumeli, Pal, Ananya, Ghosh, Debojit, Ghosh, Abhisek Brata, Nandi, Mahasweta and Biswas, Papu. Materials Research Bulletin, 134, 2021, 111085.
- 5) “Supercapacitor behaviour of manganese dioxide decorated mesoporous silica synthesized by rapid sol–gel inverse micelle method”. Pal, Ananya, Das, Trisha, Ghosh, Susanta and Nandi, Mahasweta. Dalton Transactions, 49, 2020, 12716–12730.
- 6) “The big effect of a small change: formation of CuO nanoparticles instead of covalently bound Cu(II) over functionalized mesoporous silica and its impact on catalytic efficiency”. Das, Trisha, Singha, Debdas and Nandi, Mahasweta. Dalton Transactions, 49, 2020, 10138–10155.

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- 7) "Effect of particle morphology on the electrochemical performance of hydrothermally synthesized NiMn_2O_4 ." Saha, Samik, Roy, Atanu, Ray, Apurba, Das, Trisha, Nandi, Mahasweta, Ghosh, Basudev and Das, Sachindranath. *Electrochimica Acta*, 353, 2020, 136515.
- 8) "Thermal performance in transient MHD thermogravitational convection of nanofluid with various heating effects". Chattopadhyay, A., Goswami, K. D., Pandit, S. K. and Sheremet, M. A.. *Journal of Thermal Analysis and Calorimetry*, 2020, <https://doi.org/10.1007/s10973-020-10077-3>.
- 9) "Brownian motion of magnetonanofluid flow in an undulated partially heated enclosure." Goswami, K. D., Chattopadhyay, A., Pandit, S. K. and Sheremet, M. A.. *International Journal of Mechanical Sciences*, 198, 2021, 106346. <https://doi.org/10.1016/j.ijmecsci.2021.106346>.
- 10) "Impact of moving walls on combined convection flow and thermal performance in a wavy chamber." Chattopadhyay, A. , Karmakar, H., Pandit, S. K. and Chamkha, A. J.. *Journal of Thermal Analysis and Calorimetry*, 2021, <https://doi.org/10.1007/s10973-021-10663-z>.

A 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 accepted the recommendation of The High Level Committee (HLC)) as constituted by The Paridarsaka (Visitor) of Visva-Bharati, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha Bhavana (Institute of Science), Visva-Bharati. Accordingly, Integrated Science Education and Research Centre (ISERC) was established in 2008 and the academic programme was started in 2009. The course is intended for attracting highly motivated students to research and education in basic sciences. Presently, 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.

CENTRE FOR MATHEMATICAL EDUCATION (CME)

The Centre for Mathematics Education is the only centre under Siksha-Bhavana (Institute of Science) engaged in understanding the present scenario of mathematics teaching and related problems. It organizes several lectures for students and also engaged with regular Ph. D. programme. Currently, the faculty members are engaged in the following areas of research (not limited): Since its inception the centre has produced few PhD in the field of Mathematics Education. They are a key stake-holder in the evolution and growth of the Centre. We plan to initiate a course on Mathematics Education and Computational Mathematics and also to set up a data base centre where extension programmes will be conducted on different schools and colleges to develop mathematics education in our country.

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

Academic achievement of the students in mathematics: A Gender wise study of secondary and higher secondary level, E.A. Ahmed, M. Banerjee, S Sen and P Chatterjee, *International Journal of Multidisciplinary Educational Research*, 138-146 (2020).

Academic Achievement in Mathematics among Rural and Urban Students: A Study on Secondary and Higher Secondary Level Students, E.A. Ahmed, M. Banerjee, S Sen and P Chatterjee, *International Journal of Multidisciplinary Research and Development*, 178-182 (2020).

KALA BHAVANA

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 run 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 is 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.

The current academic year was a challenge for our academic activities due to the prolonged lockdown and loss of valuable time. But our faculty members had a series of online discussions and meetings to sort out the problems and tried to find out best possible solutions to overcome the deficit. We also successfully completed our admission process and started the semesters with the newcomers as well as the existing students, conducted exams and continued with our online classes. The faculty members were constantly interacting with the students and addressing their problems and guiding them with the new pedagogic order.

**DEPARTMENT OF DESIGN
(TEXTILE AND CERAMIC & GLASS)**

**National and International Standard Conference/Seminar/Workshop/ Exhibition etc.
Details of chairing/ evaluation/ presentation made by Teachers/ Research Scholars.**

Workshops/Demonstrations - Textile:

1. **Online Carpet Workshop at Department of Design (Textile)** from 25 January-30 January 2021

Sr no. 1

Name of Teacher: Goutam Kumar Das (Ceramic & Glass)

A. Workshop (National/International)

1. 'Atmanirbhar Bharat' - an online painting workshop and exhibition organized by National Gallery of Modern Art, New Delhi on 2 October, 2020.

B. Exhibition (National)

1. Atmanirbhar Bharat an online painting workshop and exhibition organized by National Gallery of Modern Art, New Delhi on 2 October, 2020.
2. After the Masters: Breaking steps – Walking with An Online Exhibition organized by Imami Arts, Kolkata from 4 January to 3 February, 2021
3. Online exhibition organized by Santiniketan Society of Visual Arts and Design, May-2020.

Sr no. 2

Name of the Teacher: Sisir Sahana (Ceramic & Glass)

A. Workshop (National/International)

1. Atmanirbhar Bharat an online painting workshop and exhibition organized by National Gallery of Modern Art, New Delhi on 2 October, 2020.

B. Exhibition:(National/International)

1. Online exhibition "Creativity above Covid" in Instagram, organized by Forum Art Gallery, Chennai from 4 June. 2020.
2. Atmanirbhar Bharat an online painting workshop and exhibition organized by National Gallery of Modern Art, New Delhi on 2 October, 2020.

3. Online Exhibition organized by Samanvay India from 27 July to 31 Dec. 2020
4. After the Masters: Breaking steps – Walking with An Online Exhibition organized by Imami Arts, Kolkata from 4 January to 3 February, 2021
5. Participated in a group exhibition organized by Art Pilgrim, Gurgaon in February, 2021.

C. Seminar/ presentation/ Webinar/ Article

1. Participated in Webinar –“Arts a Perspective” organized by Samanvay India, Hyderabad on 4 September, 2020
2. Participated in Webinar – “A Discussion on Working with Glass”, organized by ARTSPEAKS INDIA, Hyderabad on 21 November, 2020
3. Participated in Webinar- “Learning Experience” organized by Imami Arts, Kolkata on 23 January, 2021.
4. Online exhibition “Creativity above Covid” in Instagram, organized by Forum Art Gallery, Chennai from 4 June. 2020.

Sr no. 4

Name of the Teacher: Debashish Mahalanobish (Textile)

A. Workshop/Exhibition (National)

1. **5 September Teachers Online Art Exhibition - 2020**, Organized by Emami Art Gallery, Kolkata

B. Other Activities Member/ In Charge

1. **Joint Convener, internal rescues person, Online Carpet Workshop** at Department of Design (Textile) from 25 January - 30 January 2021
2. Teachers participation in decoration of Brikharopan, Visva-Bharati. 2020
3. Decoration in Pous- Upasana 2021 Kala- Bhavana, Visva-Bharati. 2020

Sr no. 5

Name of the Teacher: Banatanwi Dasmahapatra (Textile)

A. Ph.D. Graduation on 9 July 2020

B. Workshop (National/International)

1. Participated in the Etching Workshop at SSVAD, from 18.12.2020 - 20.12.2020
2. **Joint Convener, internal rescues person**, Coordinated Carpet Workshop from 25 January-30 January 2021

C. Exhibition/presentation

1. An online exhibition by Kala Bhavana Faculty Members “After the Masters: Breaking Step-Walking Through” 5 January-5 February 2021, Emami Art, Kolkata

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D. Seminar/ presentation/ Webinar/ Article/ Conference

1. One of the speakers in the webinar titled, "Learning Experience" 23 January, 2021
2. One of the speakers in the webinar titled "A Talk in Conjunction with the Online Annual Exhibition, An Evening with the Faculties of Kala Bhavana, 20 January 2021
3. Reviewed papers for the 16 International Conference on Music Perception and Cognition Jointly organized with the 11 triennial conference of ESCOM to be held 28-31 July 2021.

Sr no. 6

Name of the Teacher: Madi Linda (Ceramic & Glass)

A. Workshop (National / International)

1. 125th Birth anniversary of "Netaji Subhas Chandra Bose" Art Workshop on 16 January 2021 to 19 January 2021, at National Library, Belvedere Rode, Block-A Alipore, Kolkata
2. "Painting Workshop" at POORBITA (Rural Development & Craft Centre) on 20 December 2020. Sarpukurdanga, Santiniketan

B. Exhibition (National / International)

1. International Virtual Art Exhibition organized by the School of Performing and Visual Arts Central University of Himachal Pradesh, H.P. between 15 October to 1 November 2020
2. Indian Artists Group "Art Bridge – 2020 Online Art Exhibition on 14 September 2020 Organized by Indian artistgroup, Om Apartment, Sec- 14 Dwarka, New Delhi
3. 5 September Teachers Online Art Exhibition - 2020, Organized by Emami Art Gallery, Kolkata
4. 2021-'The Continuous Stream' Kala Bhavana Connect-3d Virtual Exhibition By Hyderabad Literary Festival.

C. External Examiner

1. 01/12/2020 Out Side Subject Expert for the JRF to SRF, Dept. of Plastic Arts (Pottery & Ceramics), Faculty of Visual Arts, Banaras Hindu University, Varanasi, U.P

D. Other Activities Member/In Charge

1. NSS Programme officer 2020-2021, Unit Kala- Bhavana, Visva-Bharati, Santiniketan
2. NAAC Preparation of Kala-Bhavana, Visva-Bharati, may - 2020
3. BFA/DFA Admission Committee, Kala-Bhavana, academic session 2020-21
4. BFA/DFA Admission Application Evaluate of Kala-Bhavana, Visva-Bharati, Santiniketan
5. RET Examination 2020-21, Research Committee (Ph.D.) Department of Design, Kala-Bhavana, Visva-Bharati
6. NEP (New Education Policy) of India, Committee member of Kala-Bhavana - 2020

Sr no. 7

Name of the Teacher: Bhavna Khajuria Basumatary (Ceramic & Glass)

A. Workshop (National/International)

1. **2021-**‘The Continuous Stream’, Kala Bhavana Connect-3d Virtual Exhibition By Hyderabad Literary Festival.
2. **2021-** ‘After The Masters: Breaking Step-Walking With’, An On Line Group Show By Emami Art, Kolkata.

B. Seminar/ presentation/ Webinar/ Article/ Conference

- 1.**07/082020 - 08/08/2020** – Delivered an invited lecture as Resource Person for paper presentation in the National Webinar entitled : “**Healing Power Of Arts**” Organized by The Department Of English, Sophia Girls’ College, Ajmer, Rajasthan, Title Of Presentation “ **The Healing Potential Of Art**”.

C. Other Activities Member/ In Charge

1. **2021-** Appointed Member for Committee for reviewing preparation at Bhavana Level for ensuing NAAC Peer Team Visit.
2. **2021-** Coordinator Black House Committee.
3. **2020-** Appointed Member for Committee for uploading data into NAAC Portal.
4. **2020-** Coordinator for Departmental Student Grievance Redressal Committee for Kala-Bhavana.

Sr no. 8

Name of the Teacher: Debasish Das (Ceramic & Glass)

A. Workshop(International /National)

1. 125th Birth anniversary of “**Netaji Subhas Chandra Bose**” **Art Workshop** on 16 January to 19 January 2021, at National Library, Belvedere Rode, Block-A Alipore, Kolkata

B. Exhibition (International /National)

1. **5th September Teachers Online Art Exhibition - 2020**, Organized by Emami Art Gallery, Kolkata
- 2.**Online Art Exhibition, Indian Ceramics Art Foundation 2020**, Organized by Indian Ceramics Art Foundation,

Sr no. 9

Name of the Teacher: Archana Das (Ceraic& Glass)

B. Exhibition(National/ International)

1. **Continuous Stream of Kala Bhavan Santiniketan**
2. showcase an online exhibition of Artists, Teachers and Students from Kala Bhavan by Hyderabad Literary Festival

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3. 2.05-01-2021 TO 05-02-2021 “After The Masters: Breaking Steps- Walking With” -An online exhibition showcasing the work of Kala Bhavana faculty members.

Sr no. 10

Name of the Teacher: Anupam Chowdhury (Ceramic & Glass)

A. Workshop(International)

1. Participated in the Etching Workshop at SSVAD, from 18.12.2020 - 20.12.2020

B. Exhibition(National)

1. **5th September Teachers Online Art Exhibition** - 2020, Organized by Emami Art Gallery, Kolkata
2. **Online Art Exhibition, Indian Ceramics Art Foundation** 2020, Organized by Indian Ceramics Art Foundation,

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

Students achievement:

- A. Awarded Governor's Medal: Anshu Kumari, B.F.A 3rd Year (Sem-VI) student in Textile, Department of Design and a NCC Cadet of Visva-Bharati NCC Unit (50/4) has been awarded Governor's Medal on 8th February, 2021.
- B. Three students –Ayantika Sajeal, Riti Sarkar and Komal Mandal of Ceramic & Glass section organised outdoor activities/workshop with local tribal children, installed work of innovative art using natural materials/objects and exhibited in the Nature. Name of the project was ATMA SANJOG. INTER-CONNECTION –A collaborative project.
- C. Teachers participate in decoration of Brikharopan, Chatimtala on 7th Pous, Upasana-griha on 25th December, Republic Day and Independence Day.
- D. Teachers participate in Swachh Bharat programme conducted by the University.
- E. 2020-2021, NSS Programme participated in by the Teachers of the Department of Design Unit Kala- Bhavana, Visva-Bharati.

Any other relevant information:

Department of Design in Kala Bhavana stands in the light of Centenary year with so much of glory of history and progressive vision. Though, specialization in the Department of Design with textile and Ceramics started in 1980 with limited infrastructure, wide practice of art and craft in textile design and ceramic had focused movement in Kala-Bhavana since its inception. Once it showed the road of National art movement in the context of global acceptance. Now Textile and Ceramic & Glass art practice are two leading sections of the institute in the country. Both are the rare sections to offer such mediums as mediums of expression that rejuvenates artistic expression and generate earning resources for sustainability both, even if we talk about

our Department in the context of other Indian Art Institutes even today. It is vocational and creative both in terms of mode of practice. Medium is as old as ancient and contemporary in innovative way of practice. In recent time, 2014, the medium of glass was introduced in the Department. This ancient still contemporary medium has added a noticeable dimension of expressions amongst the students.

Our aim is to make the Department a leading institute in Ceramic & Glass and Textile in the country and develop the facilities similar to International standard to attract students from across the globe.

Future plan:

Department of Design consists of three prominent sections i.e. Two years Certificate Course in Design, Ceramics & Glass, and Textile.

In last few years, Department of Design has initiated a major infrastructural developmental programme. We have expanded classrooms and technical workshops facilities for students. New equipments have been donated to us by well-wishers, purchased many equipments. With the help of private trust developed the infrastructure and set up many kilns and furnaces in the Ceramic & Glass section, in addition some looms and textile printing facilities are also in the plan of installation. Department has submitted a proposal of new specialized workshop for Ceramic & Glass under HEFA project. That has been approved and work is in progress. One printing room also has been proposed under HEPA project.

Department is taking initiative for industrial visit and field visit related to the subject concerned for the students' academic curriculum. In addition to existing students exchange programme, Department has approached more National and International institutions for exchange programme. Teachers are upgrading themselves through various teachers' learning programmes, own practices to uplift the Departmental students in contemporary art practice. We have planned for more International collaboration with the Department.

We have programmed and placed 3 new courses for approval by the University: 2 types of Internship Programmes and Vocational course. Internship programme-1, where students will pay to attend the specialist courses, would help the University by generating money. Internship programme-2 where students from Kala-Bhavana and other institutes can have exchange programmes of short term courses. Vocational course is designed for developing technical and aesthetic skills that would make sustainable future for the students.

DEPARTMENT OF SCULPTURE

National and International Standard Conference/Seminar/Workshop/Exhibition etc.

Details of chairing/ evaluation/ presentation made by Teachers/ Research Scholars.

Pankaj Panwar

Exhibitions: Invited participation

Webinar / Seminar

- “**Crucial role of Art in the time of global crisis**”, organized by CIMA, Kolkata
- “**Living with Art**” Online Art Talk, Art Acre, Kolkata.
- “**Innovation in visual Art**”, School of Visual Art, Amity University, Delhi
- “**Learning Experience**”, by Emami Art.

Exhibitions:

- “**After the Masters: Breaking Step - Walking with**”, online exhibition of Kala-Bhavana faculties, curated by AnsumanDasgupta and hosted by Emami Art, Kolkata, 2021.
- “**Petrichor**” An one line Visual Exhibition
- International Virtual Art Exhibition, School of Performing and Visual Art, Central University of Himanchal Pradesh.
- “**Untitled**” Exhibition of visual Art, CIMA, Kolkata.

Guide / Supervisor:

- Four Ph. D Scholars

Sutanu Chatterjee

Exhibitions:

- “Online International Art Exhibition, 2020”- organized by Provaswito Academy of Art & Culture, from 16 October to 15 November, 2020.
- Online Art Exhibition by the faculty members of Kala Bhavana, “After the Masters: Breaking Step - Walking with”, curated by AnsumanDasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.
- A display of paintings & sculptures from SMS- A group of artists at “CharukalaUtshav 2021”, organized by Rajya Charukala Parshad, Information & Cultural Affairs, Govt. of West Bengal at Rabindra Sadan & Nandan cultural center premises, Kolkata.

Review:

- Eminent art critic MrinalGhosh discussed about my sculpture in Face book web page for Provaswito International online art exhibition- 2020, organized by Provaswito Academy of Art & culture, from 6th November, 2020.
- Newspaper review- AnandabazarPatrika, Karcha, 6 October, 2020.
- Newspaper review- PuberKalam- 30 March, 2021.

Publications:

- Book Cover design & illustration of ‘Virtual Megh’, - A poetry book by poet SwapnakamalSarkar, September, 2020.
- Book Cover design & illustration of ‘LabanaktyaAkkarmala’, - A poetry book by poet SriparnaGangyapadhyay, September, 2020.
- “Atmajon”- an article published in ‘Aalo Batas’ (A reputed Bengali magazine), BasantaSonkha, 2021.
- A drawing published in ‘Dum-dum’ (A Bengali children magazine) - edited by ShamindraBhowmik, 2021.

Honorary Positions:

- Member of Academy of Fine Arts, Kolkata.
- Advisory member of Indian National Forum of Art and Culture (I.N.F. A.C), Kolkata.
- Member of Editorial Board - Wisdom Speaks (A Tri-lingual Multi-disciplinary Peer-Reviewed Journal).
- Advisory member of SMS- A Group of Artists, Kolkata.

Mati Lal Kalai

Exhibitions:

- Online Art Exhibition by the faculty members of Kala Bhavana, “After the Masters: Breaking Step - Walking with”, curated by AnsumanDasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.

Kamal Dhar

Exhibitions:

- Online Art Exhibition by the faculty members of Kala Bhavana, “After the Masters: Breaking Step - Walking with”, curated by Ansuman Dasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.

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Workshop:

- Conducted National Level Bronze Making Workshop 2020, organized by Provaswito Academy of Art & Culture at Santiniketan, 28 to 30 December, 2020.

Rishi Barua

Exhibitions:

- Authored and curated an online Exhibition of Art by the members of SSVAD from 19 May 2020 onwards.
- Invited as a panelist in the Webinar- ‘8th Panel Discussion of DFOT (Discussion Forum for Online Teaching), chaired by Prof. Ram Ramaswami, IIT Delhi. December 6, 2020.
- Online Art Exhibition by the faculty members of Kala Bhavana, “After the Masters: Breaking Step - Walking with”, curated by Ansuman Dasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.
- Invited as Panelist for Webinar – “Learning Experience” as part of the online exhibition exhibition of the faculty members of Kala Bhavana “After the Masters: Breaking Step - Walking with”, hosted by Emami Art.

Amit Kumar Dhara

Exhibitions:

- National Online Exhibition 2020 Artist Inner Mind from 15 to 18 October- 2020 organized by Art O Model Development Organization, Cooch Behar, West Bengal, India.
- Nandan Santiniketan Presents the 19th International Online Art Exhibition from 25 Dec. - 2020 to 23 January- 2021.
- Online Art Exhibition by the faculty members of Kala Bhavana, “After the Masters: Breaking Step - Walking with”, curated by Ansuman Dasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.

Camp/ Workshop:

- Black 20s Light Inside – Outside National level online Painting workshop, organized by International fine Arts Research Centre (IFRC) Cooch Behar, West Bengal, India, from 27 to 29 August – 2020

Art in Residence / Symposium:

- National Online Sculpture Symposium 2020 “Convex Concave” from 15th 30th December- 2020, organized by Art O Model Development Organization, CoochBehar, West Bengal, India.

Sajad H Hamdani

Exhibitions:

- Participated in an International online exhibition “SILENCE” organized by (WAG) World Art Games Croatia 2020.
- Online Art Exhibition by the faculty members of Kala-Bhavana, “After the Masters: Breaking Step - Walking with”, curated by Ansuman Dasgupta and hosted by Emami Art, Kolkata, 5 January to 5 February 2021.

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 Baij 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.

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:

1. **Amaldev S Narayanan** – Awarded Fine Arts Scholarship 2020-2021, Palette People, The Art Corridor, Le Meridian, Kochi.
2. **Dipika Das - Biki Das** - Participated in the Folk & Tribal Mural Painting Workshop organised by Eastern Zonal Cultural Centre, Kolkata and ICA , Dep. Govt. of Tripura.

DEPARTMENT OF PAINTING

National and International standard Conference /Seminar /Workshop / Exhibition etc.Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Dilip Mitra

Exhibition

- January 2021. Participated Group Show “After the Masters: Breaking Step – Walking With “an online exhibition by Kala Bhavana faculty members, Curated by AnshumanDasgupta, Organised by Emami Art, Kolkata.
- January 2021. Participated online Group Show, “Allegories and Voices: Contemporary Drawing as Thought” Organized by Hyderabad Literary Festival, Participated online Group Show, “The Continuous Stream, Kala Bhavana Connect” Organized by Hyderabad Literary Festival, February 2021.
- February 2021. Participated Group Show “ Remembering K.G. Subramanyan” a group Exhibition of Senior & Young practicing artists, organized by NIV Art Centre, New Delhi.
- 28February 2021. Participated online international Art Exhibition “AKHRABARI ANNUAL – 2021, organized by AKHRABARI- BANGLADESH.

Arghya Priya Majumdar

Exhibition

- January 2021. Participated Group Show “After the Masters: Breaking Step – Walking With “an online exhibition by Kala Bhavana faculty members, Curated byAnshumanDasgupta, Organised by Emami Art, Kolkata.
- February 2021. Participated online Group Show, “The Continuous Stream, Kala Bhavana Connect” Organized by Hyderabad Literary Festival.
- February 2021. Participated Group Show “ Remembering K.G. Subramanyan” a group Exhibition of Senior & Young practicing artists, organized by NIV Art Centre, New Delhi.

Sanchayan Ghosh

Online Publication

- 27th April2020. Invited to design a series of online resources Asia Art Archive (AAA) for high school teachers, in response to the worldwide outbreak of the Novel Coronavirus(COVID-19). These resources is available in the section of Teaching Materials

onAAA's website for free. <https://aaa.org.hk/en/resources/for-educators/teaching-materials/learning-at-home-outdoorsindoors-exploring-landscape-from-home>

Jury

- FICA Emerging artist Grant 2020-21 supported by Pro Helvetia, <https://ficart.org/eea2020>
- MMF SUPPORTED EAA Emerging artist grant 2020-21
- **Serendipity Arts Grants** 2020-21 Visual Arts Research Grant by Seredipity Arts Foundation 2020-21

Mentor

- 4 November 2020 & 11 November, 2020. mentor of the visual art fellows, 2 sessions of guidance training on their respective projects. organised by Kolkata Centre for Creativity (KCC) which is a unit of Anamika Kala Sangam Trust (AKST)
- 24 January 2021 to 14 February 2021 Resource Person for Students' Biennale 2020-21, Kochi Student's Biennale, online workshop
- 19 February 2021. Guest lecturer, online session with students of the fourth semester, Visual Arts Programme at AUD, Ambedkar University, New Delhi.

Webinar

- 15 June 2020. Online Lecture session on Interdisciplinary Art organised by Chittagong University, Chittagong
- 19 September 2020. Theme: Critical Ecologies, Dates: Location ;Zurich / online Conversations with ten thousand things 與萬物對談 Conversation with Sanchayan Ghosh Critical Ecologies 2020 organised by Shared Campus, <https://shared-campus.com/themes/critical-ecologies/teaching-exchange/conversations/con20-sanchayan-ghosh/>
- 30 September 2020. Art Talk Session 2: Art | Practice | Research by Brihatta Foundation, Dhaka Bangladesh
- 7 October 2020. "Art as Social Practice: a conversation with Sharmila Samant, Pallavi Paul & Sanchayan Ghosh" organised by Sunaparanta Foundation for Arts, Goa
- 20 December 2020. Interdisciplinary Approaches in Indian Art Education with References to Visual Art Practices organised by Kalayog Art Collective, Kerala (www.kalayog.com).

International Exhibition/Theater projects

- Invitation to participate in Chennai Photo Biennale 2020-21
- Online Video project in contribution to an ongoing project Passing-Time (<https://www.passing-time.org/artist-index>)

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- 5 January 2021 to 5th February 2021. 'After the Masters: Breaking Step -Walking with', an online exhibition by Kala Bhavana faculty members, curated by Dr. Anshuman Dasgupta, organised by Emami Art, Kolkata
- 14 February, 2021, Space Installation for the play Ekdin Mandir Jabar Pathey written by Satish Alekar in collaboration with Debesh Chattopadhyay, Sansriti 2020

Ambarish Nandan

Exhibition

- 24 June -19 July, 2020. An international art show (lockdown effect edition 2, ,by art family (Facebook page).
- 5 January to 5 February 2021. After the masters - organised by emami art .com

Rajarshi Biswas

Exhibition

- 18 - 25 Dec 2020. Visual Art Exhibition, supported by Emami Art, , Kolkata.
- 18-20 Dec 2020. Ami Arts Festival, organised by Kolkata Centre for Creativity, EmamiGroup, Kolkata.
- 5 Jan- 5 Feb 2021. 'After the Masters: Breaking Step -Walking with', an online exhibition by Kala Bhavana faculty members, curated by Dr. Anshuman Dasgupta, organised by Emami Art, Kolkata.
- 11 Feb -5 March 2021. 'Thirteen Ways at Looking at Black Bird' A Group Show curated by Nanak Ganguly held at 'Am- Art Multi- Disciplines GALLERY' Kolkata.
- 5 Feb-8 Feb, 2021. 'K G Subramanyan - Remembering Mani da' Through a group exhibition organised by NAF held at NIV Art Centre, New Delhi.
- 2 March 2021. 'Akhrabari Annual, Phase-II, Senior Artists category' presents 1 online virtual International Art Exhibition, organised by Md. Tarikat Islam, Bangladesh.

Prasanta Sahu

Exhibition

- 2020. "Suburban Shadows" online Solo exhibition at Emami art gallery, Kolkata.
- 2020. "Lockdown Diaries" an online group exhibition at CIMA art gallery, Kolkata.
- 2020. "Art: Bengal Now", a group show of Bengal Contemporary artists, curated by Pranab Ranjan Ray, jointly organized by Gandhara art Gallery, Kolkata and Dhoomimal art Gallery, New Delhi, at Dhoomimal art Gallery, New Delhi.
- 2020. Participated in an online exhibition of Asian Higher Fine arts Education, hosted by Yunnan Provincial Department of Education, organised by ASEAN- China Arts

colleges alliance, Yunnan artists association and Yunnan Arts University.

- 2021 “After the masters; Breaking steps-walking with” an online exhibition by Kala Bhavana Faculty members, at Emami art, Kolkata, Curated by Anshuman Dasgupta.

Mentor

- 2020. Participated as a mentor in Emami art open call and Mentorship programme-2020, a 60 minute closed door session with one-to-one conversation between mentor and mentee. Organized by Emami art and curate by UshmitaSahu.

Webinar

- 2021. “UTSHA Vimarsha”, weekly discussion on art, session – IV, an online conversation with artist, moderated by Prodosh Mishra, organized by UTSHA, Foundation for contemporary art, Bhubaneswar, Odisha.
- 2021. Participated as a speaker in webinar “Learning Experience”, moderated by Anshuman Dasgupta, this is part of the exhibition “After the masters; Breaking steps-walking with”, organized by Emami art, Kolkata.

Sk. Sahajahan

Exhibition

- 2020. Group Exhibition at ARTSY.NET, organised by Gallery Kolkata.
- 15 October 2020. Devi Online View, an exhibition curated by Jyotrimoy Bhattacharya, Gallery Charubasona Kolkata.
- 2021. Participated Group Show “After the Masters: Breaking Step – Walking With “an online exhibition by Kala Bhavana faculty members, Curated by Anshuman Dasgupta, Organised by Emami Art, Kolkata.
- 25 January – 24 February 2021. Wounded Realms Images of Concern, Online Solo Exhibition at ARTSY.NET., Presents by The Seagul Foundation for the Arts Calcutta.
- February 2021. Participated Group Show “ Remembering K.G. Subramanyan” a group Exhibition of Senior & Young practicing artists, organized by NIV Art Centre, New Delhi

Dharitri Boro

Webinar

- 28 July 2020. A Web- Talk Programme on the topic, Nature Conservation, Gender concerns and being creative in a Post- Covid Age, organized by Nowgong College Women’s Cell in collaboration with Institution’s Innovation Council- IIC & IQAC Nowgong College.

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Publications within the year April 2020– March 2021

- Departmental Publication: In the Mind's Eye, Jogen Chowdhury's drawings from last six decades. Edited by Prof Dilip Mitra and Sanchayan Ghosh.

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

- A. Designing methods of online class demonstration through live and recorded workshops
- B. Basic knowledge on web based media practice

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

Department of Painting is one of the oldest department of Kala Bhavana. In the last 100 years of the evolution of Kala Bhavana it has played an important role in the shaping of the pedagogic model and has emerged as one of the most active bibhaga of Kala Bhavana not only in referring to the legacy of the eclectic tradition of modernity of the institute but also engage with the new methods of art teaching in contemporary times. It has developed new innovative methods of sharing in the days of covid in the last one year and plans to coordinate an active online offline pedagogy that would provide students a proper way of engaging with the online archive and the physical experience of their immediate environment towards a holistic approach towards art practice in relation to the changing social and cultural state of the present global scenario.

In this respect we are planning to host a series of artist studio visit online from India and abroad where students will have the opportunity to meet world renowned artists in their own studio space. Moreover exchange programs with institutes in Switzerland and Scotland are in process which will expose the students to an wide range of practitioners and how they are coping with the post pandemic situation and role of art in the new social space.

Any other relevant information:

Students' Achievements:

Deepak Paulose (MFA 4thSem): Kerala Lalitkala Academy Student scholarship, Kerala Lalitkala Academy Special mention Award, 2020 and Kerala Lalitkala Academy State exhibition -2020 , Srishti, American India foundation grant -2020,Award rom Emmmi Art Gallery

DEPARTMENT OF GRAPHIC ART

National and International standard Conference /Seminar /Workshop / Exhibition etc.

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Arpan Mukherjee

Workshop

- 13 September 2020: Conducted national level online workshop on Anthotype printmaking organized by Museum of Art & Photography, Bangalore

Exhibition

October 2020: Participated in an Online Exhibition of Asian Higher Fine Art Education, organized by Yunnan Arts University, China(Link: <http://art.mjimg.com/gallery.aspx>)

January 2021: “After The Masters: Breaking Step-Walking with” an online exhibition by Kala Bhavana faculty members, Curated by AngsumanDasgupta, organized by Emami Art, Kolkata

Details of Chairing evaluation/ presentation made by teacher-

- **09August 2020: Panel Discussion:** Printmaking-challenges in the Digital World, a panel discussion organized by ICAC & RavindraMardia, Varoda (Link : <https://www.youtube.com/watch?v=aOhIJH6EMr0&t=4s>)
- **Artists Talk and Presentation:**
01 October 2020: ArtexploreXIII, Art Talk by Arpan Mukherjee moderated by Meghali Goswami organized by Shield Art Initiative, New Delhi (Link: https://www.youtube.com/watch?v=daK9Z_fJa2U&t=508s)
22 October 2020: Artist talk on the 21stFootnotes for the Future.’ Organized by Samdani Art Foundation, Dhaka, Bangladesh

Interview Published:

November 2020: Outlook traveller : “This studio in Shantiniketan, West Bengal, has been pioneering the study and practice of global historical photographic processes in India” (Link: <https://www.outlookindia.com/outlooktraveller/explore/story/70972/artist-in-residence-programme-by-studio-goppo>)

March 2021: Arts Illustrated: Volume 8 Issue 5 – Journal (Link : <https://www.artsillustrated.in/>)

Uttam Kumar Basak

Seminar

- 1.Participated in Online Line Children’s Summer Festival (14 May 2020- 27 June 2020) as

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speaker, Title of Topic “ Contemporary Printmaking in India” organised by Jawahar Kala Kendra , Jaipur, Rajasthan on 10 June 2020(6.30 – 7.30) .

https://www.youtube.com/channel/UCdCFeZg5JLZzb_ITzEMSVUQ

www.jawaharkalakendra.rajasthan.gov.in

Exhibition:

1. Participated Online International Art Exhibition on the Occasion of 4 Rajeshwari Kala Mahotasva organised by Apeejay College of Fine Arts, Jalandhar- 144001, July 30 2020.
2. Participated in CENTENNIAL, An Online International Visual Art exhibition, Commemorating the University of Lucknow, Lucknow, 20-30 Nov 2020.
3. Participated in Online International Printmaking Exhibition Title “Contemporary Printmakers” 3 Oct 2020, organised by Dooars Art Group, West Bengal.
Link:-<https://www.youtube.com/channel/UCigDe1-5eAsasvSURhNNCVg>
Link:-<https://www.facebook.com/dag.jalpaiguri>

Publications:

Uttam Kumar Basak

“Pioneer of Indian Printmaker: SanatKar” *Indian Journals.com/ Academic Discourse An International Refereed Research Journal*, ISSN NO: - Print ISSN: 2278-3296 Online ISSN: 2349-4441, RNI No. HARBIL/2012/45761.

- “Samosamayik Bharatiya Srijanshil Chhap chitra rannatamopathikrit”, .“*Deshprasanga*” pp 81-82, ISSN :2309-5245, Dhaka, Bangladesh October 2020
- “Pioneer of Indian contemporary creative Printmaking” Online Published on 3 February, 2021 Vol. 9, No. 1, June 2020/ First page: (74) Last page :(78)

Ajit Seal

Workshop

1. Contemporary Art Exhibition at Artspace Ajitgarh Chandigarh. 15-20 March 2020
2. Dr N Shakuntala Misra National Rehabilitation University, Lucknow.13 March to 3rd April 2020
3. Art Gallery, Civil Services Officers Institute, Vinay Marg, ChanakyaPuri, New Delhi. 12-18 April 2020

Exhibition

1. IDIOM and Images-II, a solo show at Art Konsult Gallery, New Delhi
2. Masters and Prodigies Contemporary and Modern Graphics of India at Gallery Kaya, Dhaka, Bangladesh.

3. Art Exhibition of art works of Hundred Artists. Dedicated to the legacy of Sri Jagmohan Chopra, Organised by artist guild, Ajitgarh, Chandigarh.

Salil Sahani

Exhibition

1. Participated in 'Confluence' Celebration of India Bangladesh Printmaking , at Visual Art Gallery & Open Palm Court, India Habitat Centre, New Delhi, And Alliance Francaise Chandigarh. 2020
2. Online Drawing Exhibition hosted by Goeth-Zentrum, Hyderabad 2021 on the occasion of Hyderabad Literary festival 2021.
3. Awarded 'Pride of Indian Foundation Award,' by Brand Impact 2020 in New Delhi
4. 4 Contributed in 'Zero-Investment innovation for Education initiatives' Organized by Aurobindo Society, 2020.
5. Member of V D Good Professional Association , 2020

Moirangthem Thomas Singh

- Participated in Online International Printmaking **Exhibition** Title "Contemporary Printmakers" 3 Oct 2020, organised by Dooars Art Group, West Bengal.
Link:-<https://www.youtube.com/channel/UCigDe1-5eAsasvSURhNNCVg>
Link:-<https://www.facebook.com/dag.jalpaiguri>

Prasant Phirangi

- Online **exhibition** – Department of Fine Arts, Kurukshetra University, Kurukshetra, Haryana 2021
- 2 Prize- Drawing- Department of Fine Arts, Kurukshetra University, Kurukshetra, Haryana-2021

Details of chairing/evaluation/presentation made by teachers and/research Scholars.

- As a Examination Superintendent -2020-21
- Kala-Bhavana – CAS committee member -2020-21
- Kala-Bhavana –NAAC compilation member-2020-21

Publications :

- 'Urbanization in Visual perception', *JETIR-Journal of Emerging Technologies and Innovative Research*, Gujrat, India, ISSN:2349-5162, 2021
- 'Digitography: Ondugrahike', 'Drushya Belaku' *Regional Kannada & English Bilingual Art magazine*, Kalaburgi, Karanataka-585105, email: dr.parashuramp@gmail.com,

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KARBIL/2015/64767, 2021

- 'Rubblings: An art of Documentation', *Ongshumali-Magazine, International Literary monthly*- Heidebrinker strake,13357,BERLIN -Germany,ongshumali2gmail.com ISSN No.2629-1452 2021
- 'Art: As a Medium of Communication' *Article-Art magazine, 'Kamgar Times'* Brahmani Phata,NAGPUR-441501,RNI-MAHMAR/2006/19485, 2020magazineartikel@gmail.com,www.artikelmagazine.in

Aditi Ganeev Sangwan

- Participated in online Kala Bhavana teachers **exhibition** – ‘After the masters: Breaking step- walking with’ and **webinar** on learning experience organized by Emami art gallery Kolkata, January 2021.

Ongoing Research Projects in the Department

- Name of teacher - Arpan Mukherjee
Name of Project -COLLOTYPE - Developing and rediscovering an ancient mechanical printmaking process. Later this process will be incorporated into the printmaking discipline.
Sponsoring Agencies- Self funded
Amount Sanctioned- NA

Publications

Prashant Phirangi

- ‘UrbanizationinVisualperception’, *JETIR-Journal of Emerging Technologies and Innovative Research*, Gujrat,India, ISSN:2349-5162,2021
- 'Digitography: Ondugrahike', 'Drushya Belaku '*Regional Kannada & English Bilingual Art magazine*, Kalaburgi, Karanataka-585105, email:dr.parashuramp@gmail.com, KARBIL/2015/64767, 2021
- 'Rubblings: An art of Documentation' , *Ongshumali-Magazine, International Literary monthly*- Heidebrinker strake,13357,BERLIN -Germany,ongshumali2gmail.com ISSN No.2629-1452 2021
- 'Art: As a Medium of Communication' *Article-Art magazine, 'Kamgar Times'* Brahmani Phata,NAGPUR-441501, RNI-MAHMAR/2006/19485, 2020magazineartikel@gmail.com, www.artikelmagazine.in

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

1. Designed online course content for visual art teaching curriculum.
2. Developed innovated methodologies and documented video content for online teaching

Any other relevant information

Students' achievement

- 1) **Sagnik Samanta**- MFA IV Sem
 - Participated in student Kochi Biennale -<https://studentsbiennale.online/sagnik-samanta/>
2. **Spriha Maurya**- MFA II SEM
 - 2021 student category of late Shri. Dulal Chandra Borgohain memorial Award for print making by The Art Society of India.
 - New print winter 2021 International exhibition by IPC (International print center) New York, USA.
 - 2020 exhibition and selection in Manorama Young Printmaker Award, India Printmaker house.
3. **Payal Aggarwal** - MFA II Sem
 - Participation in international sille Mail Art. Exhibition 2020EFAC.
 - Eastern foundation shahabal Markanda Haryana
 - Print exchange exhibition print card wroclaw , INFOBREZ event
 - Selected work. In Nippon art gallery
4. **Aryasree KS**
 - 1. Participated in 2020 keralalalithakala academy state exhibition.
 - charcoal online group exhibition 2020 ,kerala .
 - Kala kalakshepam online art exhibition 2020.
5. **PrithwinDutta** - BFA VIIISem
 - Participated in online lithography exhibition for Megalo Print Studio Australia. The exhibition was held online from 15 September to 17 October 2020.

DEPARTMENT OF HISTORY OF ART

National and International standard Conference /Seminar /Workshop / Exhibition etc.Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Meghali Goswami:

Invited artist in Third Eye - A virtual exhibition by Porosh Pathor Art Foundation, 5 March, 2021

R. Sivakumar

Online talks and seminars

1. 17 August 2020, online lecture titled 'Art, Community and Communication: An Overview of Murals and Sculptures in Santiniketan, organised by the Kolkata Centre of Creativity under their Master Class series.
2. 21 August 2020, online lecture titled 'Shaharzade and Abanindranath: reimagining the Arabian Nights', in conjunction with the online exhibition of Abanindranath, Gaganendranath and Sunayani Devi organised by the Victoria Memorial and Delhi Art Gallery.
3. 26 November 2020. Online lecture titled 'Work of Art: Its Perception and History', Department of Architecture, School of Planning and Architecture, Bhopal.
4. 3 December 2020, online talk titled 'Nandalal and the Primacy of Drawing' as part of The Art of the Painted Postcards Nandalal Bose and his Contemporaries exhibition organised by the Victoria Memorial, Jadunath Bhavan Museum and Research Centre and Delhi Art Gallery.
5. 17 December 2020, online panel discussion on 'Art Education Today and Tomorrow', organised as part of the AMI Arts Festival, by the Kolkata Centre for Creativity.
6. 17 January 2021, online panel discussion titled 'Rhymes of Recall: The Life and Art of K. G. Subramanyan', organized under the Saffron Art Dialogues on Art programme.
7. 13 March 2021, online conversation with A Ramachandran under J D Centre of Art's Meet the Artist Programme
8. 2 February 2021, online lecture titled 'The Long way to Tagore's Self-discovery as an Artist', organised by University of California, Berkeley under its Tagore Programme on Literature, Culture and Philosophy.
9. 18 February 2021, online panel discussion titled 'Reshaping Art Education in India', organized by the National Gallery of Modern Art, Bengaluru in association with Ananya Drshiya

Sanjoy Kumar Mallik

- 26 May 2020, online Webinar , Lalit Nidhi Division , Ministry of Culture, IGNCA, New Delhi , Celebrated Painters Photographers on Bengal and Santiniketan , lecture title, “Rabindranath Tagore/ comprehending his relevance as a painter in the context of early modern Indian art”.

Soumik Nandy Majumdar

Conferences and Seminars

1. Participated as a speaker at a webinar on the death anniversary of Raphael Sanzio for Kolkata Centre for Creativity on 8 August, 2020
2. Online lectures on ‘Shilpo o Drishti – Adan Prodan o Songhat’ for Chittagong Art Institute, Chittagong University Bangladesh, on 13 and 20 August, 2020
3. Delivered online lecture on ‘Art and Visual Play’ for Faculty of Fine Arts, Communication and Indic Studies, Sri Sri University, Cuttack, Orissa on 25 August, 2020
4. Online Lecture on ‘Conflict and empathy in Goutam Chowdhury’s art’ for ArtsAcre, Kolkata, 24 September, 2021
5. Participated as convener at the Webinar on ‘Shaping of Institutions: Drawing as Pedagogy and Practice’ on the occasion of the centenary of Kala Bhavana in association with VMH, Kolkata, JBMRC, Kolkata and DAG, Kolkata, 4th December 2020
6. Participated as speaker at the Webinar on ‘Sharing and Dissemination: Art and Pedagogy’ on the occasion of the centenary of Kala Bhavana in association with VMH, Kolkata, JBMRC, Kolkata and DAG, Kolkata, 11 December 2020
7. Online series of 5 lectures on ‘Looking at Art: Encountering the Diversity’ for National Institute of Design, Vijayawada, Andhra Pradesh on 23 December 2020, 30 December 2020, 6 January 2021, 13 January 2021 and 20 January 2021.
8. Delivered online lecture on ‘Looking at Art: Enchanting Moments’ for Tata Steel, Jamshedpur, on 19 January 2021.
9. Delivered online lecture on ‘Retelling Art through the eyes of children’ at VisvaBharati Young Scholars’ Lecture series, Visva Bharati, on 25 February 2021
10. Delivered two online talks on ‘Art Education in Kala Bhavana’ for Open-Book-Visual Arts Mentorship Program, Assam University, Silchar, Assam on 27 February and 13th March, 2021
11. Online Lecture on “Conversing with the space: The Art of Santiniketan – then and now’ for the department of Painting, Fine Arts Faculty, M.S. University, Baroda on 26 March, 2021

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Publications

1. Published an essay titled 'Art Education: Precepts from India's Early Art Educators' at Marg MAGAZINE Volume 72 Number 1, September 2020, Mumbai

Anshuman Dasgupta

Writings published

1. "100 years of Kala Bhavan: an interview with Anshuman Dasgupta", Critical Collective (web Journal)Uploaded 26.10. 2020
2. "Breaking Steps: Thoughts on Rhythm", Web essay: Uploaded 5 Jan, 2021

Curated Exhibitions (online)

1. After the Masters: Breaking Steps , Walking With (Exhibition on occasion of 100 years of Kala Bhavana)

Curated webinars

1. "Learning Experience": Webinar with current teachers of Kala Bhavan (part 1) Emami Arts, Kolkata, Date:22.01.2021,Emami Art, Kolkata, 5 January -5 February 2021
2. Learning Experience (Part 2)Date: 23.01.2021
3. Retake: Pushpamala N on Raja Ravi Verma, Under a series: 10 women Artists from India, VKP, Chennai, 17th February,2021, Zoom Meeting.
4. Trace/ Stencil/ Recoup: Nilima Sheikh,VKP Chennai, 13.03.2021

Other Webinars (as a single speaker)

1. "About Interdisciplinary Art",Chittagong University , Chittagong , Bangladesh , 7 Sept, 2020.
2. "Bauhaus and Santiniketan", Chittagong University , Chittagong , Bangladesh 31.08.2020.
3. " Leaning from Santiniketan", 28th November, 2020, VKP Chennai
4. " Be Creative", 22nd May ,2020 , VKP Chennai

Meghali Goswami

1. Online interactive session on Career opportunities in Visual Arts, 14 September 2020, Graphics Era Hills University.
2. Artexplore XIII , Art Talk Shield Art Initiative 27 September 2020

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

- Designing methods of online classes

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

Like most aspects of Rabindranath Tagore's educational program, the teaching of Art history at Kala Bhavana has an informal beginning and organic evolution before it was given an institutional framework. The inaugural moment of Art history at Kala Bhavana can be traced to the arrival of the renowned Art historian Stella Kramirsch at the end of 1922 on an invitation from Rabindranath Tagore to join the newly founded Visva Bharati. Given Kramirsch's training at Vienna which was the center of Art History in Europe prior to the Second World war, and her keen interest in Indian Art, she was also seen by Tagore as the appropriate person to bring a global perspective to Art Historical discourse at Santiniketan which had already a Pan-Asian breath. Kramirsch was followed by other visiting scholars and the discourse continued informally, which Rabindranath Tagore, Abanindranath Tagore, Nandalal Bose and Binodebihari playing seminal in carrying forward. In 1958 Art history became a taught and examined course at Kala Bhavana, and this was one of the first Art Institutions to do so in India, ten years later when Kala Bhavana was restructured along disciplinary lines an independent department of History of Art was established: along with those paintings, sculpture and graphics and this led to the introduction of History of Art as an area of specialization. The department plans to enlarge its archival collection and build a more comprehensive visual archive to serve both pedagogic and research needs for not only the faculty but of the region. We plan to increase the stress on research and documentation so that the focus of both faculty and the students is directed primarily towards knowledge generation rather than on the accumulation and pedagogic dissemination of information. The Department also has plans to incorporate more of recent methodological apparatus and polemical directions, and widen the scope and possibilities of the discipline of Art history globally within the limits of institutional teaching-learning modules. We are also working towards interaction with scholars beyond the regular staff members in the teaching community so that a greater diversity of interest and research can be encouraged among the students. The Department shall continue its duty of imparting education through the B.F.A (History of Art) , Bridge Course(History of Art), M.F.A (History of Art), One year casual course , and shall promote research activities through Ph.D courses in the field of Art history. The department organizes Seminars, Workshops and Conferences in regular basis and also publishes a department journal *NANDAN* on the eve of Nandan Mela.

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KALA BHAVANA NANDAN MUSEUM

- **Digitalization Documentation** : **1048 Nos.**

Preventive and Curative Conservation of Art objects

- Preventive Conservation of Art objects : 149 Nos.
- Curative Conservation : 1149 Nos.
- Integrated pest management : 04 Times.

SANGIT BHAVANA *(Institute of Music, Dance & Drama)*

Music education started under the canopy of Kala Bhavana since 1919. At that time the name of the institution was “School of Art and Music”. Gurudeva Rabindranath Tagore, founder of Visva Bharati University and one of the greatest thinkers of post renaissance of India had a deep cherish for study of music especially different forms of Indian and Oriental Classical (Vocal, Instrumental) and Dance tradition. He had a desire to assemble all forms of classical performing art tradition and gave the whole a new shape, which have its manifestation in various Rabindra Songs, Dance Forms, Dance Dramas etc. Various illustrious personalities accompanied him in these endeavors like Dinendranath Tagore, Bhimrao Shastri, Hemendralal Roy, Pratima Devi, UstadAllauddin Khan, Shantidev Ghosh, Shailaja Ranjan Majumder, Aresh Chandra Bandyopadhyay, Buddhimanta Singh, Nabakumar Singh etc.

The performers achieved National & International attention which attracted many students and admirers to assemble at Santiniketan to study profoundly. Gradually Santiniketan was bestowed with the recognition of the cultural ambassador of the nation. Many of its students achieved National and International acclamation and awards.

In 1933 the study of music in Santiniketan started at Sangit Bhavana specially devoted to the study and performance of various forms of oriental music and dance. The institution started with two departments i.e., Rabindra Sangit Dance & Drama and Hindustani Classical Music. The Institution started courses in Tagore songs, Tagore Dance Drama, Manipuri & Kathakali Dance forms under the Department of Rabindra Sangit Dance & Drama, as well as the Indian Classical Vocal, Instrumental courses like Sitar, Esraj, Tabla, Pakhawaj etc. under the department of Hindustani Classical Music.

The great artistes like Kanika Bandyopadhyay, Rabindralal Roy, V.V. Wazellwar, Sushil Kumar Bhanja, D.T. Joshi, Nimai Chand Boral, IndranilBhattyacharrya, Suresh Mishra, Ranadhir Roy, Yunus Hussain Khan, Amubi Singh etc., were the teachers in this institution.

Some great personalities in the field of music like Allauddin Khan, Nikhil Banerjee, Buddhadev Dasgupta, Faimuddin Khan Dagar came as visiting professor at Sangit Bhavana in different times.

Sangit Bhavana regularly conducts various function and festivals throughout the year like Vasantotsava, Varshamangal, Brikhsaropan, Pous-Utsava, Khristosava etc. in Santiniketan and different cultural centers of the country and abroad.

The tradition continues since then. The journey now has reached hundred glorious years.

DEPARTMENT OF RABINDRA SANGIT DANCE & DRAMA

The Department of Rabindra Sangit Dance and Drama performed a huge number of programmes and activities all over the year 2020-2021.

As we know Sangit Bhavana is the pillar of the cultural activities of Visva-bharati.

Visva-Bharati Karmi Mandali organized the traditional functions and festivals like Briksharopon, Swadhinata Dibas ,Poush Utsab, Maghotsob, Sadharantranta Dibas, Basanta Utsab etc time to time, where the RSDD (faculties and students) expressed their ultimate level of heartiest participation.

We performed in the special occasion like Honourable Home Minister's visit in Visva Bharati, the Inauguration by our Acharya Honourable Prime Minister Sri Narendra Modi of the centenary celebration of Visva-Bharati, the special Convocation and others.

At the time of COVID-19 pandemic situation we continued our traditional Upasana each week (Wednesday).

RSDD performed Music, Dance and Theatre performances and participated also in newly thoughtful programmes and performed Vedic Hymns in Visva Bharati lecture series programmes and elsewhere if needed.

RSDD performed many online and live programmes like Tagore's Dance drama 'Chandalika', 'Chitrangada' etc.

Though it is our duty but RSDD, Sangit Bhavana participated in all programmes sincerely with accompaniment, advises and soulful presence.

National and International standard Conference /Seminar /Workshop / Exhibition etc.

Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Amartya Mukherjee:

- Lecture and Demonstration Method and Referred the digital available books, magazines-notes for students helps.
- Started 'Talk On Tagore' on YouTube Opened a YouTube Channel for Student's Benefit.
Link : Amartya Mukhopadhyay (YouTube)
<https://youtube.com/channel/UChBuVSJge0TQquk9kkBPdow>

Preparation of resource material including books, Reading materials, laboratory manuals etc. :

- prepared many relevant-digital talk like titled “Talk On Tagore”
- Talk on Tagore Part 1 :<https://youtu.be/TTVMiUjiQwM>
- Part 2: <https://youtu.be/9YyNkcJJUVE>

Participation in academic Seminar/Conference/ Workshop/Webinar :

Participated and delivered lecture on Rabindranatak and Rabindranritya —

1. ANANDADHARA - <https://youtu.be/FuynbFnuMQg>
2. KUMILLA - <https://www.facebook.com/repertorygarden/videos/914353922394619/>
3. SRUTI PERFORMING TROUPE
4. MADHUMANJARI
<https://drive.google.com/file/d/1fsxdb-JM5h6v7OB04i0hlriqzIDkja2F/view?usp=drivesdk>
5. KATHABRIKHHA
<https://m.facebook.com/kothabriksha/> (Page link)
6. ASHOKNAGAR
<https://www.facebook.com/AshokenagarNattyamukh/videos/324602495233542/>
7. SURKAHON
<https://www.facebook.com/watch/?v=2706479409610198>
8. NATIONAL THEATRE FESTIVAL (INDRIYA/EZCC)
9. RABINDRANRITYER SAJSOJA
<https://www.facebook.com/groups/279918743017374/permalink/297285014614080/?sfnsn=w iwspwa&extid=E6poHVCCoZSAbTHP&d=w&vh=i>
10. PARANINDA O PARACHARCHA, <https://youtu.be/ddP7hA9vVV0>
11. RABINDRANATYER SAFALYA SUTRA, <https://youtu.be/ddP7hA9vVV0>
12. RABINDRANATHER TASER DESH
<https://www.facebook.com/groups/690771924820874/permalink/829757990922266/>

Performances :

- Served as the anchor of awareness programme in Doordarshan.
- Community work such as values of National Integration, secularism, democracy, socialism, human peace, scientific temper, flood or drought relief, small family norms etc. : Participated and contributed as much as possible through Visva-Bharati.
- Served as the poet and reciter to salute to the “AMAR RAHE RAJESH ORANG”, initiated the action by SP, Birbhum Police.

Link-

https://m.facebook.com/story.php?story_fbid=2858196787619586&id=781956511910301&scmts=scwsplosnk-

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Co-curricular activities :

- Directed the play “Vul Rasta” at Bharattirtha. Link-
https://m.facebook.com/story.php?story_fbid=2735394556714645&id=100007323819191&sfnsn=wiwspwa
- Recited in the Dancedrama “Chitrangada”.
- Accompanied in the Dancedrama “Chitrangada”.
- Script and directed “UtsaritoAlo” for Doordarshan on 25 Baisakh 1427BS. Link-
<https://youtu.be/U57cymT2Go4>
- Compere in the Puja Parikrama, telecasted by Doordarshan. Link-
https://youtu.be/GZgkznP_brc
- Script and Direction for a new Bengali year’s celebrations on Doordarshan(rec. 29 March).

Enrichment of campus life :

Participated in different programmes were held in the campus. (Hostels, sports, games, cultural activities)

Biplab Biswas:

- **Participation in academic Seminar/Conference/ Workshop/Webinar :04 (Four)**
- <http://streamyard.com/vgba6v66zy>
- <https://app.livewebinar.com/122-061-222/p/7SHjTEvibweUOwcRiV9NwoTE3Vlr8ecfln51a6EKF198IDNdCVumW1EO78AJ>
- <http://streamyard.com/uvjsjfkjms>

Mrityunjay Kumar Prabhakar:

Conference/Research/Workshop/Exhibition:

Webinars:

- 09.05.2020 Delivered a live talk on poetry and read poems in a webinar titled “KavitaAurBaatein” organized by Rhythms of Rhyme, Chandigarh, Punjab. Title of the presentation “MeriKavitaAurBaatein.”
- 13.05.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with Filmmaker Avinas Das.”
- 20.05.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with SangeetNatakAkademi Awardee Theatre Director Parvez Akhtar.”

- 08.06.2020-11.06.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with SangeetNatakAkademi Awardee Theatre Director SatishAnand.”
- 16.06.2020-18.06.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with SangeetNatakAkademi Awardee Theatre Director Bansikaul.”
- 04.07.2020 Delivered an invited lecture in a webinar entitled “Theatre & Corona” organized by AshokenagarNatyamukh, Ashokenagar, West Bengal. Title of the presentation “Theatre in the Times of Corona.”
- 05.07.2020 & 22.07.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with SangeetNatakAkademi Awardee Theatre Director Sanjay Upadhyay.”
- 02.08.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with SangeetNatakAkademi Awardee Theatre Director Sunil Shanbag.”
- 01.09.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with American Theatre Director & Educator Erin B. Mee.”
- 04.10.2020 Anchored live session of a Cultural Personality oriented webinar titled “Guppastik” organized by SEHAR, Delhi. Title of the Conversation “In Conversation with NSD Alumni, Children Theatre Expert & Theatre Director Yuvraj Sharma.”

Others:

- 02.01.2021- 03.01.2021 Read my new play in an online reading session organized by KalyaniKalamandalam, Kalyani. Title of the play “Court Mein Mahabharat.”
- 17.03.2021 – 27.03.2021 Took special classes on ‘Hindi Theatre’ for the students of Mahatma Gandhi Antarrashtriya Hindi Vishwvidyalay. Title of the classes “Hindi NatakEvamRangmanch.”

Articles/Chapter in Anthologies/Journals/E-Journals

- “Cultural Landscapes of Assamese Songs of Bhupen Hazarika and it’s Trans-Creation in Bangla.” Prabhakar, M. K & RikimiMadhukaillya. *Sangeet Galaxy* Vol. 9 no. 2, pp. 14-19. ISSN 2319-9695.
- <https://sangeetgalaxy.co.in/paper/cultural-landscapes-of-assamese-songs-of-bhupen-hazarika-and-its-trans-creation-in-bangla/>
- “PaltuBabu Road: Bengali PrabhutvaKeParabhavKaAakhyan” Prabhakar M.K. *Banas Jan* Vol. 41, January-March 2021, p. 172-180. ISSN2231-6558.

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- “PaltuBabu Road: Natkiyata Unlimited.” in *DesajAsmitaaurRenuSahityaed*. Anant Sinha. Patna: Keekat Publication, 2020. pp. 70-73. ISBN 978-81941660-1-6.

P.Mukunda Kumar:

Regional/National/International Stage Programs Solo/Group:

- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, nrityar tale tale- 02/12/2020. **Regional, Group.**
- Doverlane Music Conference, Nazrul Manch Kolkata, offline, live performance- 14/02/2021, **Regional, Group.**
- Active participation in all functions and festivals conducted by Visva-Bharati.

N.P.Sankaranarayanan:

Performances:

- Performed ‘Chenda’ & ‘Edakka’ – Solo program organized by Visva-Bharati at Santiniketan on 26 January 2021.
- Played ‘Edakka’ for “Rabindra Nritya”, organized by Visva-Bharati in the valuable presence of Honourable Governor of West Bengal on 19 February 2021.
- Played ‘Chenda’ & ‘Edakka’ for Tagore Dance Drama “Chandalika” organized by Visva-Bharati at Bangladesh-Bhavana on 19th February 2021.
- Performed ‘Chenda’ & ‘Edakka’ – Solo program at Bharat Tirtho Santiniketan on 28 February 2021 organized Visva-Bharati.
- Played ‘Chenda’ & ‘Edakka’ for Tagore Dance Drama “Chitrangada” on the occasion of Basantho Bandana organized by Visva-Bharati on 16 March 2021 at Bangladesh Bhavana, Santiniketan.

Surajit Roy:

National /International / State/ Local level seminar - resource person /paper present

- 25.11.2020 lecture as the chief speaker conducted by Rabindra Bharati society for national seminar by virtual mode.

Performances:

- **National/ International / state - solo Program/Broadcast:**
- 14.03.2021: participated in programme conducted by Chayabithi in Utsargomancha.
- 27.03.2021: Participated in programme, conducted by Taranto aparbanglainfacebook live.
- 25.01.2021: Performed a solo Rabindrasangit in upasanamandir conducted by Visva-Bharati .
- 18.09.2020: Performed a solo Rabindrasangit in facebook live conducted by

Purabichayabithi organization.

- 08.11.2020: Performed solo song in facebook live under the direction of BharatiyasangitAcademy ,
- 28.12.2020: Solo Rabindrasangit performed at Barisa club maidan at Bengal music fair, conducted by Information and Culture Department, Government of West Bengal.
- 13.06.2020: On the Ruposi Bangla channel, I did a live programme and performed solo song on a program called Ajieprovate.
- 23.12.2021: solo Rabindrasangit performed at Chatimtala in Santiniketan.
- 05.09.2020: performed solo song in facebooklive under the direction of Khaskhabor tv channel.
- Performed solo song in facebook live under the direction of Des Bideshtv in Taranto.
- 09.11.2020: performed solo song in facebook live conducted by Nandanik.
- 04.10.2020: performed solo song in facebook live conducted by Punascha.
- 19.11.2020; performed solo song in facebook live conducted by BiswavarapranBangladeshi.
- 18.05.2020: performed solo song in facebook live conducted by Icchedana.
- 07.06.2020: performed solo song in facebook live conducted by Saraswat.

Extension Activities - university programs/ NSS etc.

- Participated on the occasion of the centenary of SangitBhavana, performed and participated in every programme in Sangit Bhavana.
- Participated in all the programs of Visva-Bharati and have performed song, such – BarsaMonogol, Brikkharopon, 15August, ঐপুস, BasantaUtsav and many more events.

Sucheendranathan.P.K:

Articles in journal:

- Basic Rhythmic-unit patterns in Kathakali Dance, Sangeet-Galaxy, ISSN: 2319-9695 on Vol 9, Issue-2 (July 2020) pp. 3-13.
<https://sangeetgalaxy.co.in/paper/basic-rhythmic-unit-patterns-in-kathakal%cc%a3i-dance/>

Performances:

Regional/National/International Stage Programs Solo/Group:

- DoverLane Music Conference, Nazrul Manch Kolkata, offline, live performance- 14/02/2021
- Nrityachanda, hosted by Swami Shivananda Puri Maharaja, CA TV LIVE, California, America, online performance, live streaming for the own residence-05/01/2021.

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Regional/National/International Lecture Demonstration Solo/Group:

- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, nriyarthale- 02/12/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Group Ahmadpur Kerala Samajam, Vejalpur- 03/01/2021.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo Demonstration, Ganesh Nitya Ranjani School of Performing Arts- 09/08/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Smarathi, Pannisseri Nanupilla Kathakali trust, 09/07/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Daya Charitable trust, Peringottukurissi- 22nd July- 2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Naad- 29/06/2020
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Kathakali sekham, -02/05/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Rastriya Kala Manch-30/04/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Tarang- the flow of rhythm, Shadabdi Nriyayan- 29/04/2020.
- Facebook Page online live streaming, Kathakali Lecture Demonstration Solo, Vyakhyan- episode-3 Angashuddhi- 25/06/2020.

Saptarshi Ray

Extension Activities - university programs/ NSS etc.

- Participated on the occasion of the centenary of Sangit Bhavana, performed and participated in every programme in Sangit Bhavana.
- Participated in all programs of Visva-Bharati and have performed song, such - ঐশ্বর্য, Basanta Utsav and many more events.

Arpita Dutta (Das):

Performances:

National/ International / state - solo Program/Broadcast:

- 07.05.2020 Performed in an online programme on “Rabindra Janmotsab” organized by Doordarshan Santiniketan
- 08.05.2020 Performed in an online programme of Punascha-India, “Tribute to Tagore” Institute of Tagore Song’s on “Rabindra Janmotsab”.

- 15.05.2020 Performed in an online programme on “Rabindra Janmotsab” entitled ‘Praner Rabindranath’ organized by ‘Saraswat’.
- 02.07.2020 Performed in an online live programme of Punascha-India, “Tribute to Tagore” Institute of Tagore Song’s.
- 15.07.2020 Performed in an online live programme entitled “Hridaye Rabindranath Chetanay Unish” organized by Sammilita Sanskritik Manchha Silchar.
- 07.08.2020 Performed in an online programme on “Baise Shraban” organized by ‘Bini Shuto cultural organization.
- 09.08.2020 Performed in an online live programme on “Fund Raising effort to support the fight against COVID-19” by Kahlar commemorates Tagore’s Death Anniversary, Rockville, USA.
- 16.08.2020 Performed in an online programme on “Rabindranath O Deshoprem” scripted by Pitam Sengupta of ‘Dehali’ organization.
- 23.01.2021 Performed in the Virtual Court meeting with PM Narendra Modi
- 20.12.2020 Performed in the cultural programme of Rabindra Sangeet organized during the visit of Union Home Minister at Sangeet Bhabana.
- 05.01.2021 Performed in the Tribute on the memory of Prof. Swapan Majumder organized by ‘Saptak’, Santiniketan.
- 19.02.2021 Performed in the dance drama ‘Chandalika’ on behalf of Honorable Governor of West Bengal at Bangladesh Bhavana, Santiniketan.
- 16.03.2021 Performed in the ‘Basant utsav’ organized by Visva Bharati, Santiniketan.

Manas Bhul:

Seminars, conference, workshop etc. attend:

- Attended Lecture series at Central Library Conference Hall, Visva Bharati, 2020-2021

National / State/ Local Level Programme / Broad cast –

- Performed on ‘Bangla Sangeet Mela’ at Sisir Moncho Department of Information & Cultur, Govt. of West Bengal in 2020
- Organised the team for song on 15 Aug. Visva-Bharati in 2020

Kaustav Karmakar

Solo Performances:

- 16.12.2020- Solo performance in evening cultural programme organized by Visva-Bharati Karmi Mandali
- 23.01.2021—Solo performance in Netaji’s Birthday Celebration at Upasana Mandir.

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Suman Bhattacharya

Performances:

- 16.12.2020- Solo performance in evening cultural programme organized by Visva- Bharati Karmi Mandali
- 23.12.2020—Vedic Mantra Recitation of Poush Utsav.
- December,2020- Solo performance on inauguration of Bharattirtha Stage
- 27.12.2020- Solo performance at Bangla Sangeet Mela.
- 12.01.2021—Celebration of Swami Vivekananda's Birthday (Direction)
- 23.01.2021—Celebration of Netaji's Birthday (Direction)
- 26.01.2021—Republic Day's Patriotic Songs(Jointly Direction)
- 19.02.2021—Convocation Songs with Nandita BasuSarbadhikaari
- 21.02.2021—Language Day Celebration Songs (Jointly Direction)
- 27.03.2021—Basanta Purnima Celebration at Chhatimtola (Direction)
- 31.03.2021— Commemoration of Chaitanya Mahaprabhu (Direction)

Shuvankar Mondal

Solo Performances:

- 16.12.2020- Solo performance in evening cultural programme organized by Visva- bharati Karmi Mandali

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

Due to COVID-19 Department could not organized any mass programme but performed and participated in all functions, festivals, upasanas, webinar-inaugurations, condolences & special occasional cultural activities organized by the University.

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

- The RSDD Department designed courses values, its objectives, future prospects and clarified to run each courses in Under-graduate and Post-graduate level.
- Planned the short term course of Kirtan and processed for further approval .
- The teaching methods initiated in new form i.e. online teaching both in theoretical and practical curriculum.
- In Sangit Bhavana there is introduced one smart class room for better teaching and communication. It is helpful for new academic approaches.

DEPARTMENT OF HINDUSTANI CLASSICAL MUSIC

National and International standard Conference /Seminar /Workshop / Exhibition etc.Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Sabyasachi Sarkhel:

National, International Seminar: Resource person /paper presentation:

- 28 -29 May, 2020: Webinar as resource person at Rajib Gandhi Central University, Arunachal
- 24 June, 2020: Webinar (Lecture-demonstration) at Basanta College, Varanasi.
- 5 July, 2020: Presented an online lecture demonstration organized by Faculty of Performing Art, BHU, Varanasi.
- 26 September, 2020: Online lecture, *BhinnaShadaj*, Bangladesh
- 4 October, 2020: Online lecture and demonstration, organized by *Deshebideshe TV channel*, Canada.
- 4-8 January, 2021, participated in UGC-NET workshop organized by NTA as a member of the panel for test development and paper setting in Hindustani Music.
- 25 February, 2021, delivered online lecture and demonstration in the UGC Refresher Course in Visual and Performing Arts, Rajasthan University.
- 4 March, 2021, Delivered lecture and demonstration as a Resource person in a virtual concert series, organized by The Department of Music, Dayalbagh Deemed University, Agra, under UGC SAP.

National, International Solo program/broadcast:

- 14 June, 2020: Online Sitar recital (Facebook live), *Sammilito Sanskritik Mancha: Silchar*.
- 14 October, 2020, performed in online sitar recital for *Sharod Arghya*, organized by Department of Yogic Art and Science, Visva-Bharati.

Extension activities-University program/NSS etc.:

- 22 March'2021: Evaluated Ph.D. thesis & conducted Viva Voce exam, as external examiner of Ankur Mishra, B.H.U. (Varanasi)
- 13 February'2021: Evaluated Ph.D. thesis & conducted Viva Voce exam, as external examiner of Mehfuja Khatun, Rajshahi University (Bangladesh),
- 22 February' 2021:Evaluated Ph.D. thesis & conducted Viva Voce exam, as external examiner of PrabhatDangi, Delhi University Delhi,
- 26 January' 2021: Evaluated Ph.D. thesis of Harmik Singh,Gurunanak Dev University,Amritsar

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- 04 February'2021: Evaluated Ph.D. thesis & conducted Viva Voce exam., as external examiner of Kashmira Dutta, Rabindra Bharati University (Kolkata),
- 25 February'2021: Evaluated Ph.D. thesis & conducted Viva Voce exam., as external examiner of Anurupa Hazra, Rabindra Bharati University (Kolkata),
- Attended Board of Studies meeting as external expert in Indira Kala Sangit Viswavidyalaya (Khairagarh), Rabindra Bharati University (Kolkata), Rajib Gandhi Central University, (Arunachal).
- Set question papers for UG and PG at Pondicherry Central University, Pondichery on March'2021
- Conducted all online examinations as H.O.D of HCM, Sangit Bhavan, Visva-Bharati.

Any other:

- 11 November, 2020, attended the selection committee meeting at Visva-Bharati, Santiniketan.
- 15 March, 2021, attended IQAC meeting as external expert at Rabindra Bharati University, Kolkata.
- 26 March, 2021, attended Higher Degree committee meeting (online) as external expert at Rabindra Bharati University, Kolkata.

Basavi Mukerji

Webinars, Workshops, Public Performances & Youtube Interviews:

- May 22 – 26, 2020 : National five day workshop on “ Tradition & Compositions of Indian Music’; Delivered invited lecture as resource person on “ Style & Compositions of Padma Bhushan Dr Prabha Atre” organized by Vasantha College for Women, Varanasi.
- June 07, 2020: One day International webinar on the topic – “ Music As A Healer In Covid-19 Times” organized by the Department of Music, Dayan and Girls’ PG College, Kanpur, UP. Presented lecture-demonstration as invited resource person.
- June 12-13, 2020 : International webinar organized by the Vasantha College for Women, Varanasi on the topic – “ Aspects, Traits & Trends in Performing Arts : An Overview” :Delivered invited lecture demonstration on the topic, “ Stylistic Details of Gwalior Gharana” as a resource person.
- June 21, 2020 :National webinar on the topic , “ World Music Day : Its Application In Education” organized by Adamas University : School of Education ; Delivered invited keynote address as a chief guest and resource person.
- August 12-13, 2020 : International webinar organized by the Home Science Dept. of Calcutta University on the topic, “ Efficacy of Virtual Music Classes” Delivered invited lecture as resource person.

- August 14, 2020 : One day National webinar on “ Music & Mental Health” organized by the Hooghly Women’s College, Kolkata. Delivered lecture as resource person.

Broadcasts :

- June 19, 2020: Performed live (khyal & thumri) for “ Satata Naad” , Patna, “A Concept by Pt SiyaramTiwari Smriti Sangeet Samiti”, Patna.
- September 06, 2020 : Performed live (khayal&thumri on Monsoon Ragas) on the internet page of Dumrao Gharana Dhrupad Tradition.
- October 17,2020: Live concert of khayal&thumri on the theme of Devi Durga broadcast Live from the Internet page of Dumrao Gharana Dhrupad Tradition.
- September 24, 2020 : Performed khyal & thumri for live online broadcast under the aegis of Sparsh Society of Performing Arts for Social Harmony, Delhi.
- October 09,2020: Performed khayal and thumri live for “Kala Kumbha” online for Sanskar Bharati, Braj Prant.
- January 03, 2021: Performed Thumri & Bhajans live for Music Adda,California TV ,USA.
- February 28, 2021: Performed live (khayal & thumri) for the organization – “Gour Malhar”, Bardhaman.

Interviews:

- May 18, 2020: Online performance in the classical music conference, “Sadarang Ucchanga Sangit Parisad”, Bangladesh.
- May 18, 2020: One hour long interview on my musical ideas and life’s journey entitled“Baaton Baaton Mein” broadcast on YouTube and internet from Bhopal.
- September 08, 2020: One hour long interview on musical journey and live telecast/ broadcast on the internet from Women’s TV, Chandigarh.

Extension Activities:

- February 06, 2021 : Presented devotional song onstage on the inauguration of Women’s Association, Visva Bharati at Sriniketan.

Ph.D. Degree Awarded:

December 12, 2020: To Scholar Subarna Mukherjee under my supervision for her thesis entitled- “Speciality of Ragas in the Singing Style of Bishnupur Gharana”.

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Eshita Chakraborty

National and International standard Conference/ Seminar/ Workshop/ Exhibition etc.

Details of chairing/ evaluation/presentation made by Teachers/Research Scholars

- Programme – Solo Performance in Dhrupadi Sangit on the theme of “Samata” organized by Mahila Samiti, Visva-Bharati, in the occasion named “Maghmela” at the ground of Sriniketan on 6th February, 2021 (Saturday).

Academic Distinction gained by Teachers/Scholars

- Member, Core Committee, NAAC, Visva Bharati
- PhD Thesis examiner and evaluator, Visva Bharati
- Paper Setter and External Examiner, Pondicherry University
- B.O.S member, Shidho Kanu University
- B.O.S member, Dept. of H.C.M, Sangit Bhavana, Visva Bharati
- Member, D.R.C. (Departmental Research Committee), Department of H.C.M. Sangit Bhavana, VisvaBharati
- Member, Admission Cell, Dept. of H.C.M. Sangit Bhavana, Visva Bharati
- Paper Setter and External Examiner, Bankura University
- Paper Setter and Examiner, Visva Bharati
- Paper Setter and Examiner, Rabindra Bharati University

Ranjani Ramachandran

- 4th April 2020. Speaker at a Podcast hosted by Artify, Bangalore as part of their online series Music: A listener’s perspective. Title of the Podcast “Kumar Gandharva-A perspective by RanjaniRamachandran”
- 9 May 2020. Performed Hindustani classical vocal music (solo) in an invited International online benefit concert organized by Playing for the planet, Boston. Title of the programme “ World music against climate change”
- 29 June 2020. Performed Hindustani classical vocal music (solo)in an online concert premiered on youtube and organized by Kala Samooh, Bhopal. Title of the concert: VidushiVeenaSahasrabuddheSmritiSamaroha 2020
- 12 July 2020. Performed Hindustani classical vocal music (solo)in an invited online concert organized by Gourmalhar, Bardhaman. Title of the event: A Classical music live concert: Ek Prayas”
- 23 September 2020. Performed Hindustani classical vocal music (solo)in an invited international online centenary event organized by BhavrangPratishthan, Varanasi. Title of the programme “BhavrangJayanti”

- 28 September 2020. Performed Hindustani classical vocal music (solo) in an invited online concert organized by Dr. Ashok Da. Ranade Archives, Pune. Title of the programme "Musical Tribute to Pandit D.V. Paluskar in his centenary year"
- 15 January 2021. Presented an invited inaugural online lecture in the VisvaBharati Young Scholars' Lecture Series entitled "Dialogic" organized by VisvaBharati University. Title of the presentation "Forms of Hindustani Music: Diverse interpretations in Performance"
- 27 February 2021. Performed Hindustani classical vocal music (solo) in an invited concert organized by SamraatSangeet Academy and ICCR, Goa. Title of the Programme: 41 SamraatSangeetSammelan (A National Conference of Indian Classical Music)

Academic Distinction gained by Teachers/Scholars

- Member, Core Committee, NAAC , VisvaBharati
- Appointed as PhD Thesis examiner and evaluator, University of Delhi (07.09.2021)
- Appointed as external examiner, Bengal Music College, University of Calcutta (05.03.2021)
- Board of studies (B.O.S.), Dept of Hindusthani Classical Music, SangitBhavana, VisvaBharati
- Member, Departmental Research Committee, Department of Hindusthani Classical Music, SangitBhavana, VisvaBharati
- Member, Teachers Council, SangitBhavana, VisvaBharati

Sandip Ghosh

- Astak-Chapter in book, edited by Dr.Krisnendu Dutta, Nov. 2020 (banglar puratta prakasana)
- Webiner – Laya Taal Pragyanprabaha bakhyamala, 7.7.2020 (organized by BHU, Banaras.)
- Live programme (facebook)-PanditSamta Prasad 100 years - Organized by Sangitkumbh, Allahabad, 22-30 August, 2020.

Amit Kumar Verma

Invited as Resource Person in National/International Webinars and Workshops:

1. International 3 Days Workshop organized by Swami VivekanandSubharti University, Meerut from 5-7 Nov. 2020, lectured on " Problems in Music Research & Plagiarism".
2. National Workshop on "Research Methodology and Data Analysis" organized by Dept. of Music & Social Work, JagadguruRambhadracharyaDivyang University, Chitrakoot, from 16 to 23.08.2020. First lecture on "Plagiarism" date: 22.08.2020 & Second on "Technical Aspects of Research Paper Writing" date: 23.08.2020

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3. Invited as Guest Speaker in International Webinar on "कोरोनाकाल: वैश्वीकरण एवं संचारक्रांति के परिपेक्ष्य में संगीत शिक्षण तथा मंच प्रस्तुतियों के विविध आयाम" organized by Dept. of Vocal Music, Faculty of Performing Arts, BHU, Varanasi from 28-29 May 2020. (Paper Presentation on "Digital Initiatives in Music Education).
4. Invited as Guest Speaker in International Webinar on "आत्मनिर्भर भारत की संकल्पना में भारतीय सांगीतिक धरोहर का योगदान" organized by Allahabad Degree College, Prayag, Uttar Pradesh, on 04.07.2020. Delivered lecture on "E-Book Publication".
5. Invited as Resource Person in Lec-Dem Series, titled 'लय-तालप्रज्ञाप्रवाह' organized by Dept. of instrumental, Music, Faculty of Performing Arts, BHU, Varanasi on 05.06.2020. (Paper Presentation on "तबला विषय की पुस्तक एवं लेखों की समीक्षा: तकनीक एवं स्वरूप".
6. Invited as Guest Speaker in International Webinar on "वर्तमान समय के परिप्रेक्ष्य में संगीत शिक्षण का स्वरूप" organized by Dept. of Music, JNV University, Jodhpur from 31 May - 2 June 2020. (Paper Presented on "How to Avoid Plagiarism in Music Research).
7. Invited as Guest Speaker in National Workshop organized by KLG PG College, Meerut, U.P. from 7 - 13 June 2020 (Topic - Zotero: Your Personal Research Assistant).
8. Invited as Guest Speaker in e-National Workshop on "Research Methodology" organized by Dept. of Music & Dramatics, LN Mithila University, Darbhanga, Bihar from 13 - 15 June 2020.
9. Invited as Guest Speaker in International e-Seminar on "भारतीय संगीत के विविध आयाम" organized by Dept. of Music & Dramatics, LN Mithila University, Darbhanga, Bihar from 16 - 21 June 2020.
10. Invited as Guest Speaker in International Webinar on "संचार माध्यम द्वारा संगीत शिक्षण: अभ्यास एवं तकनीक के परिप्रेक्ष्य में" to be organized by Department of Music, Sri Agrasen Girls P.G College, Varanasi on June 26-27, 2020.

Academic Distinction gained by Teachers/Scholars

- Member, Departmental NAAC Committee, SangitBhavana
- Member of Board of Studies, Dept. of H.C.M, SangitBhavana, VisvaBharati
- Member of Departmental Research Committee, Department of H.C.M. SangitBhavana, Visva Bharati
- Member, Admission Cell, Dept. of H.C.M. Sangit Bhavana, VisvaBharati

Sitaram Das

- Active Participation of various function-festivals of the university.
- Member of Board of Studies.
- Member of admission committee.

- Updating course and designing curriculum.

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

NSS Activities participated by Teachers and Students of the Department

- Independence Day Vinaya Bhavana Play Ground (15/08/2020)
- Poush Utsav (23/12/2020)
- Republic Day Celebration Vinaya Bhavana Play Ground (26/01/2020)
- Gandhi punyaha (Swachhata Bharat Abhiyan), Santiniketan and Sriniketan campus (10/03/2021)

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

- BOS, external expert BHU.

Basavi Mukherji

- Received the award / title of ‘SangeetRatna’ and memento from national organizations Sanskar Bharati and SumadhurHansadhwaniSangeet Trust, Faridabad on December 07, 2019.

Amit Kumar Verma

- Member of syllabus committee & Text Book Writing committee of NCERT (National Council of Educational Research and Training, Govt. of India)
- Member of School Management Committee, KendriyaVidyalaya, Bolpur, W.B. for the session 2019-2020
- Expert Member of syllabus committee of Performing Arts (Tabla) under New Education Policy – 2020 organized by Department of Higher Education, Uttar Pradesh.
- Honored with SangeetNatak Award – 2016 for distinguished contribution in the field of Music Writing.
- 4-8 January, 2021, participated in UGC-NET workshop organized by NTA as a member of the panel for test development and paper setting in Hindustani Music.

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Ranjani Ramachandran

- 31 January, 1 February, 2 January 2020, Invited to Co-curate multi-disciplinary Arts Festival CUSP in Chennai with First Edition Arts

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Publications

Sabyasachi Sarkhel

Publication: CD, DVD/ Solo Book/ Edited Book/ Publication in UGC approved Journal:

- 14 October, 2020, online publication of a CD, by Radio Kolkata in You Tube
- 2 December, 2020, article “*Prasanga: Pandit Ravi Shankar*”, *DharabahikPatrika*, Burdwan.
- 29 December, 2020, sitar recital published in You Tube, by Ramakrishna Mission Institute of Culture.

Basavi Mukerji

Publications:

- April 02, 2020 : Recordings of Khayal and Thumri sung by me featured in the Volume 2 of a compilation of music by legendary and contemporary Hindustani classical artists in the new USB pen drive of Meera Music Record Company, Mumbai.
- June 06, 2020 : Recorded a Bandhi-Thumri composition for the CD adjoining the book of compositions, “*RaagChaitanya*” by Dr. ChaitanyaKunte, Pune, India.
- June 22, 2020 : My music album “*NirguniBhajans*” re-released by the Fountain Music Company, Pune on YouTube.

Eshita Chakraborty

- Swar-Sansaar: Samvaadva Vivaad”, August 2019, RadaBhavana (A bi annual Peer-Reviewed Journal, ISSN: 2348-0818)

Ranjani Ramachandran

Publication (Online music publications)

- Ramachandran, Ranjani. *RanjaniRamachandran: RaagJaunpuri*. Retrieved January 3, 2021, from <https://www.youtube.com/watch?v=dvGT40EIQOo>. First Edition Arts: Mumbai
- Ramachandran, Ranjani. *RanjaniRamachandran: RaagDeshkar*. Retrieved January 2, 2021, from <https://www.youtube.com/watch?v=u5LZSPVEnfM>. First Edition Arts: Mumbai

Amit Kumar Verma

E- Book Publication:

1. "Man ke Meet - Awadhi LokGeet" by NotNul Publications, 2020.
2. "Collection of Research Titles in Indian Music" by NotNul Publications, 2021.

Chapter in Edited book:

- “Digital Initiatives in Music Education through ICT” in e-book ‘Online Education during

Lockdown Valued Opinions' edited by Dr. Vidhi Nagar, Publisher: NotNul Publications on June 2020

Research Papers:

- Verma, Amit Kumar, "Sangeet me ShodhPatraLekhankeTaknikiPahloo", April 2019, NaadNartan: Journal of Dance & Music, Chandigarh, Vol. 7, Issue.1, ISSN: 2349-4654, pp. 124-126
- Verma, Amit Kumar, "AwadhkaLokSangeet: EkAddhyayan", July 2019, Seminar proceeding (Edited Book) by Dept. of Dance, Faculty of Performing Arts, BHU, Varanasi, pp. 997-1003

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

Gurudev Rabindranath Tagore, the founder of Visva Bharati, thinking much ahead of his times, emphasized an inter-disciplinary approach towards art practice. Teaching of music, dance and drama were always an integral part of his pedagogic vision of a comprehensive education system. 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 birth day, 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 depts., 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. Our curricula aim for a total development of students with efficiency in the practical along with a strong theoretical background. Rabindrasangit, Rabindranritya, Esraj and Drama & theatre arts have immense impact in the national and international level, though they were nurtured locally. Hindusthani Classical vocal music, Instrumental music in Sitar, Tabla, Pakhawaj, Manipuri dance and Kathakali dance, which are also core disciplines of our curricula, play a key role in the propagation and dissemination of Indian classical art forms at the global level.

Any other relevant information.

The Department of Hindustani Classical Music has developed as a pre-eminent centre for specialized training in khayal and dhrupad and Instrumental and percussion music. Many

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faculty members of the department are concert performers and graded artistes of All India Radio, empanelled artistes of the Indian Council for Cultural Relations (ICCR), and recipients of different National and International awards. They are also engaged in multiple research collaborations with other disciplines like visual arts, ethnomusicology, theatre and films. The students of the department have gained recognition as independent practitioners and regular performers on the Radio and Television. Many scholars enrolled as PhD candidates in the department, are engaged in innovative approaches towards research in the performing arts. As part of future plans, the department intends to develop a dedicated archival section for the preservation and dissemination of rare recordings, in collaboration with other institutions. There will also be an endeavor to invite musician scholars and experts to conduct workshops on Hindustani classical Vocal and instrumental music to establish a dialogue between pedagogy and public performance.

RABINDRASANGIT GABESHANA KENDRA (RSGK)

Preamble

The RSGK was initiated nearly six and a half years ago, on 26. 12. 2014. Tagore's music known as Rabindrasangit is the most powerful expression of his creative pursuits, and the idea is to capture this hitherto uncharted domain through research. The RSGK works under Sangit Bhavan, Professor In-Charge is Prof Indrani Mukhopadhyay.

A. Academic Activities

- A critical edition of the music drama 'Kalmrigaya' comprising a chronology of its 'path' (reading) and notations is in an advanced stage of publication, under the guidance of Prof. Indrani Mukhopadhyay.
- The unpublished notations of 13 of Tagore's songs, compiled by Prof. Indrani Mukhopadhyay and others, are being readied for publication as "Swarabitan 67" – by Granthan Vibhaga. The work on the documentation of a chronological sequencing of Rabindrasangit is being continued.
- Chronological notations of Rabindranath's Brahmasangit constitute another ongoing project.
- a) How Tagore's choice of words and epithets continually evolved over time has now been documented for Gitabitan, Part 1. b) Similar work for Gitabitan, Part 3 is nearing completion.
- It is desirable to replicate in Gitabitan, Part 3, the 'referencing to text' (as Footnotes) that appear in Gitabitan, Parts 1 and 2. This is an ongoing project of RSGK.
- Over decades, Santiniketan has developed its unique tradition and form of Rabindrasngit. Its preservation along with the corresponding compilation of 'Swaralipi' is an important continuing endeavour of RSGK.

B. Facilities

- **Library Archive** – with nearly 1800 books and the (digital copy) manuscript of 'Mayar Khela'
- **Exhibition Gallery** – one, on the development of Rabindrasangit and evolution of Sangit Bhavan and another, fully devoted to Dinendranath Tagore.
- **Audio-Visual Unit** – with nearly 100 LP discs and CD's depicting cultural events of Visva-Bharati and also, an album on 'Balmiki Pratibha'.

VINAYA-BHAVANA

DEPARTMENT OF EDUCATION

Name of the Students Qualified in UGC/ CSIR/ NET/ SLET/ and GATE Examinations

| Name | Programme | NET/SET |
|-------------------------|--|-------------------------|
| Shyamali Mondal | M.A in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Sipra Saha | M.A in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Souvik Pal | M.A in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Nidhir Ghosh | M.A in Education (4 th Sem) | NTA-NET (JUNE-2020) |
| Sarthak Mondal | M.A in Education (4 th Sem) | NTA-NET (JUNE-2020) |
| Sweety Thakur | M.A in Education (4 th Sem) | NTA-NET (JUNE-2020) |
| Debanjali Ghosh | M.Ed. in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Subarna Karmakar | M.Ed. in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Sucahndrika Hazra | M.Ed. in Education (2 nd Sem) | NTA-NET-JRF (JUNE-2020) |
| Sumana Bhandary | M.Ed. in Education (2 nd Sem) | NTA-NET (JUNE-2020) |
| Shankha Sekhar Rakhshit | M.Ed. in Education (4 th Sem) | NTA-NET (JUNE-2020) |

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers /Research Scholars.

Benudhar Chinara

1. 26.06.2021: Delivered an invited lecture in the International Webinar entitled “COVID-19:Impact, Challenges and Opportunities in Education” organized by IQAC, Vidyasagar Teachers’ Training College, Midnapore in collaboration with Kharagpur Vision Academy, Kharagpur, West Bengal. Title of Presentation: “Educational Resilience in Covid-19 and After”
2. 03.08.2020- 04.08.2020: Delivered an invited lecture in the two days International Virtual Conference entitled “World after Covid-19: The Future of Higher Education" organized by the Department of Education’ Southfield College, Darjeeling, West Bengal. Title of Presentation: “Online Learning Exercises in Higher Education: Post Covid-19 Effects”
3. 28.08.2020: Delivered an invited lecture in the National Webinar entitled “New Education Policy 2020: Revamping School and Higher Education in India” organized by the IQAC and Department of Education, Birjhora Kanya Mahavidyalaya, Bongaigaon, Assam. Title of Presentation: “Select Perspective on Higher Education in NEP 2020”

Kahnu Charan Sahoo

1. 11.07.2020: Delivered an invited lecture in the National Webinar entitled “Education as Gateway to Self-Reliance” organized by the Department of Continuing & Extension Education, Barkatullah University, Bhopal. Title of Presentation: “Life Skill Education for Self Reliance”.
2. 05.09.2020: Delivered an invited lecture in the Ongoing Webinar Series entitled “Making Education Relevant- with focus on Swami Vivekananda’s Teachings- Today’s Youth and our Education System” organized by the International Chamber of Service Industries (ICSI). Title of Presentation: "Swami Vivekananda in Nation Building: Policy-Practice Perspectives".
3. 10.09.2020: Delivered an invited lecture in the National Webinar entitled “Concern in Teacher Education Under New Education Policy-2020” organized by Shukladevi Academy, Suri, West Bengal. Title of Presentation: “Policy-Practice Gaps in Teacher Education”.
4. 12.09.2020-13.09.2020: Delivered an invited lecture in the Two Day National Webinar entitled ‘Value Education in Covid-19 Pandemic’ organized by Rabindra Mahavidyalaya, Hoogly, West Bengal. Title of Presentation: “Lessons Learnt in Covid-19 Pandemic”
5. 01.02.2021: Delivered an invited lecture in an “Interactive On-line Session” Organized by Tata Institute of Social Sciences, Mumbai. Title of Presentation: “Teachers Are Not Born- They Are Made: Advancing Tagorean Legacy at Vinaya Bhavan, Visva-Bharati”.

Rajarshi Roy

1. 28.06.2020-29.06.2020: Delivered invited lectures in the Two-Day National e-Conclave 2020 entitled “Online Education & Pedagogy in Modern Management of Higher Education & Business Studies” jointly organized by the Department of Management, University of North Bengal”,. & Department of Education & IQAC Cell of HMM College for Women, Kolkata. Title of presentations: (i) “Future of Higher Education programme and Higher Education policy of India” and (ii) “Online method of Education: Prospects and challenges for Teachers and Students”.

Partha Pratim Sikder

1. 25.12.2020 - 25.01.2021: Participated and presented Sculptures in 19th International On-line Art Exhibition on Kopai Nadi organized by Nandan , Santiniketan, West-Bengal. Title of Presentation: Display of two Sculptures, untitled-1, untitled-2.

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Prohlad Roy

1. 15.05.2020-21.05.2020: Delivered an invited lecture in the National Webinar entitled “Exploring Some Aspects of Tagore’s Thoughts” organized by NSS Unit of Burdwan Raj College, West Bengal. Title of Presentation: “Rabindranath Thakurer Shiksha Darshane Purnota”.
2. 29.08.2020. Delivered an invited lecture in the National Level Webinar entitled “Sustainable Development: Target and Achievement” organized by Raiganj Surendranath Mayavidyalaya, West Bengal. Title of Presentation: “Sustainable Education for Sustainable Development”.
3. 29.08.2020. Acted as a Chair Person in the National Level Webinar entitled “Sustainable Development: Target and Achievement” Organized by Raiganj Surendranath Mayavidyalaya, West Bengal.
4. 7.09.2020. Delivered an invited lecture in the National Webinar entitled “Human Well Being at the Time of Covid -19: Yogic and Buddhist Perspective” organized by, Kandra Radhakanta Kundu Mahavidyalaya, University Of Burdwan, West Bengal. Title of Presentation: “Human Well Being at the Time of Covid -19: Yogic and Buddhist Perspective”
5. 06.09.2020-12.09.2020: Delivered an invited lecture in the International Web Conference entitled “Interrogating Emerging Post-Pandemic Scenarios in light of Covid-19” organized by the Department of Geography and English, Kazi Nazrul Islam Mahavidyalaya, Churulia, Asansol West Bengal. Title of Presentation: “Culture and Education: A Discourse on Light of Human Civilization”.
6. 26.09.2020-27.09.2020: Delivered an invited lecture in the Two Days International Level Webinar entitled “Rethinking of Knowledge Advancement & Pedagogy in Pandemic Situation” organized by Department of Education & IQAC, Arsha College, Purulia. Title of Presentation: “Rethinking of Knowledge Advancement & Pedagogy in Pandemic Situation”.
7. 30.09.2020: Delivered an invited lecture International Webinar entitled “Neo-Challenges for Differently Abled Students during Covid-19 Pandemic and Sustainability” organized by Centre for Differently Abled Foundation India and Raiganj University. Title of Presentation: “Neo-Challenges for Differently Abled Students during Covid-19 Pandemic and Sustainability”
8. 07.12.2020: Delivered an invited lecture in the International Webinar entitled “Ancient Buddhist Education System” organized By University BT & Evening College, Cooch Behar, West Bengal. Title of Presentation: “Ancient Buddhist Education System”.
9. 19.12.2020: Acted as Chair Person (Technical Session) in the International Webinar entitled “Contemporary Environmental Issues and Challenges from Multidisciplinary Standpoint:

Sustainable Development” organized by Department of Geography In Association With IQAC, Gazole Mahavidyalaya, Gazole, Malda, West Bengal. Title of Presentation: “Contemporary Environmental Issues And Challenges From Multidisciplinary Standpoint: Sustainable Development”

10. 10.01.2021: Delivered an invited lecture in the International Webinar entitled ‘Addressing The Challenges of Differently Abled Persons and Their Families: A Social Responsibility’ organized by Centre for Differently Abled Persons, Raiganj University, India. Title of Presentation: “Addressing the Challenges of Differently Abled Persons and Their Families: A Social Responsibility”.
11. 24.01.2021: Delivered an invited lecture in One Day National Webinar entitled “Pandemic Situation: Its Impacts on Society” organized by Centre For Counseling Services and Studies in Self Development, Jadavpur University, West Bengal. Title of Presentation: “Pandemic Situation: Its Impacts on Society”.

Professional development programmes completed:

1. 10.02.2021-23.02.2021: Completed Two Weeks Online Refresher Course entitled ‘Indian Folklore, Culture & Traditions’ organized by UGC-Sponsored Refresher Course, Centre For Professional Development in Higher Education, Human Resource Development Centre, University of Delhi, Delhi.
2. 17.08.2020-25.08.2020: Completed “One Week National Online E-Workshop entitled “Using Open-Source Learning Management System for Online Teaching” organized By Visva-Bharati Library Network & Department of Statistics, Siksha Bhavana, Visva-Bharati.

Chitralkha Maiti

1. 06.08.2020: Delivered an invited lecture in the National level Webinar entitled “Role of Career Counseling in the Perspective of Present Pandemic Situation of COVID 19” organized by Mankar College, Bardwan University, W.B. Title of Presentation: “Career Aspiration and Career Guidance”.

Professional development programmes completed:

1. 03.05.2020: Completed One Day online Workshop on “Enhancing Research Communication Skill through Science Direct & Mendeley” organized by IQAC & School of Education (PMMNMTT), Faculty of Education, Dayalbagh Educational Institution in collaboration with Elsevier.
2. 16.05.2020: Completed One Day online national level FDP on “E-Learning tools for Effective Teaching & Learning” Organized by Nirmala Memorial Foundation College of Commerce and Science in collaboration with Ed Fly.

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3. 20.05.2020: Completed One Day online national level Faculty Development Workshop on “E-Learning” organized by HR College of Commerce and Economics in collaboration with EdFly.
4. 25.05.2020: Completed online national level Faculty Development Workshop on “LMS-TOOL for Effective Teaching and learning” organized by Clara’s College of Commerce, Mumbai, in collaboration with Edfly.
5. 30.05.2020-03.06.2020: Completed Five-Day online FDP entitled “Evolution from Offline to Online Teaching” organized by Satish Pradhan Dhyansadhana College, Thane in association with Department of Information and technology, University of Mumbai.
6. 25.06.2020-01.07.2020: Completed One Week online short term programme entitled “Research Methodology” organized by UGC-HRDC, Devi Ahilya Vishwavidyalaya, Indore.
7. 02.07.2020-17.07.2020: Completed Two-Week online FDP on “Advanced Concepts for Developing MOOCs” organized by TLC, Ramanujan College, University of Delhi, Under the aegis of Ministry of HRDC, PMMMMNMTT.
8. 29.10.2020-5.11.2020: Completed One Week FDP on “Advanced Pedagogical Techniques” TLC, Ramanujan College, University of Delhi, under the aegis of Ministry of HRDC, PMMMMNMTT.

Sarita Anand

1. 16.07.2020: Delivered an invited lecture in the International Workshop ((Under the Directive of Dept. of Higher Education, MHRD Govt. of India) entitled “Gender-Sensitive Responses to COVID-19” organized by Centre for Women’s Studies & Development, BHU, in collaboration with UGC. New Delhi. Title of Presentation: “Gender Sensitization”.
2. 10.06.2020: Delivered an invited lecture in National Webinar (Under the UGC Quality Mandate Notification D.O. No. 1- 3/2020) entitled “Impact and Implications of Covid-19 for Higher Education” organized by Mahila Mahavidyalaya BHU. Title of the presentation: “Awareness of Digital Tools & Techniques for Teaching and Learning in Higher Education: COVID-19 & beyond”
3. 11.05.2020-12.05.2020: Delivered an invited lecture in Two days online National Workshop entitled “Professional Development of Teachers during Lockdown” organized by Dev Samaj College for women, Firozpur City, Punjab Univesity, Chandigarh. Title of Presentation: “Video Conferencing”.

Professional development programmes completed:

1. 12.05.2020-23.05.2020: Completed Seven Days National Web Workshop entitled Research Methodology in Social Sciences jointly organized by the Department of Economics and Education, Vasanta College for Women Rajghat, BHU, Varanasi.
2. 08.06.2020- 10.06.2020: Completed Three days Online National Workshop entitled “Develop & Design: Online Assessment” Organized by TLC, Shri Lal Bahadur Shastri National Sanskrit University under the aegis of PMMMMNMTT, Department of Higher Education, MHRD, Govt. of India.
3. 16.10.2020-29.10.2020: Completed Two weeks Online Workshop entitled “Research Tool Preparation” organized by School of Education, Gurunanak Dev University, Amritsar under the aegis of PMMMMNMTT, MoE, Govt. of India.
4. 08.06.2020-14.06.2020: Completed One Week Faculty Development Programme entitled "Open Source Tools for Research" organized by TLC, Ramanujan College, University of Delhi, Sponsored by PMMMMNMTT, MHRD, Govt. of India.
5. 18.06.2020-03.11.2020: Completed Online Faculty Development Programme entitled “Managing Online Classes and Co-Creating MOOCs: 2.0” organized by TLC, Ramanujan College, University of Delhi, Sponsored by PMMMMNMTT, MHRD, Govt. of India.
6. 10.05.2020-16.05.2020: Completed Online Faculty Development Programme entitled “Design and Developments of MOOCs and e-Learning Technologies” organized by School of Education, GGSUIP, New Delhi.

Sharmila Yadav

Professional development programmes completed:

1. 10.05.2020 to 16.05.2020: Completed Seven Days Online Faculty Development Programme on “Design and Development of MOOCs and e-Learning Technologies” Organized by University School of Education, Guru Gobind Singh Indraprastha University (GGSIPU).
2. 17.05.2020 to 31.05.2020: Completed Two-Week Online Training Programme on “Inclusive Education: Best Practices” Organized by Centre for Disabilities Studies & Educational Research (CDSER), Netaji Subhas Open University (NSOU), Kolkata, West Bengal with the support of Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi.
3. 5.06.2020 to 12.06.2020: Completed Eight Days Online National Level Faculty Development Programme on “Effective Use of Learning Management Systems, Google Classrooms and Moodle for ICT enabled Teaching learning Process” Organized by NES Ratnam College of Arts, Science and Commerce, Bhandup (W), Mumbai, Maharashtra held from.(Asynchronous Mode).

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4. 08.06.2020 to 10.06.2020: Completed Three days Online National Workshop entitled “Develop & Design: Online Assessment” Organized by TLC, Shri Lal Bahadur Shastri National Sanskrit University under PMMMMNMTT, MHRD, GOI.
5. 18.11.2020 to 28.11.2020: Completed Ten Days Online National Workshop on “Quantitative & Qualitative Approaches in Research” Organized by TLC, Shri Lal Bahadur Shastri National Sanskrit University, under PMMMMNMTT, MoE, GOI.
6. 18.01.2021 to 22.01.2021: Completed Five Days Online National Workshop on “ICT based Teaching & Assessment” Organized by TLC, Shri Lal Bahadur Shastri National Sanskrit University, Gaya under ‘PMMMMNMTT’ Scheme, Ministry of Education, GOI.
7. 15.03.2021 to 22.03.2021: Completed Eight Days Online Training Programme on “Research and Publication Ethics” Organized by Department of Teacher Education, School of Education, Central University of South Bihar, Gaya under ‘PMMMMNMTT’ Scheme, Ministry of Education, GOI.

Umakant Prasad

1. 04.09.2020. Delivered an invited lecture in the National Webinar entitled “New Education Policy-2020” organized by Ratan Sen Degree College, Bansi, Siddharth Nagar. Title of Presentation “School Reforms and New Education Policy 2020”
2. 8.12.2020. Presented a paper in the International Webinar entitled “Vulnerable Groups and Human Rights” organized by Department of Human Rights and Human Development along with Department of Disability Studies, Rabindra Bharati University, Kolkata. Title of presentation “The Truth of Nature and Transgender Rights’ in a ‘Panel Vulnerability of LGBTQI’”.

Professional development programmes completed:

1. 17.08.2020-21.08.2020. Completed Five Days Online Workshop on “Research Methodology” organized by UGC-STRIDE Task Group 2020, Maulana Azad National Urdu University, Hyderabad.
2. 26.08. 2020 to 04.09.2020. Completed a “Ten-Day Faculty Development Program in Social Science Research” jointly organized by Indian Teacher Education Community and Arihant Education Group, Indore, M.P.
3. 1.10.2020-15.10.2020. Completed a Two-Week Online Faculty Development Programme entitled “Research Methodology” organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

Soumi Mandal

1. 05.05.2020. Delivered an invited lecture in National Webinar entitled “Innovation in Education before and after corona pandemic” organized by Bamanpukur Humayun Kabir Mahavidyalaya, Bamanpukur, North 24, West Bengal, Affiliated by West Bengal State University & Department of Education, Vivekananda College for Women Affiliated by West Bengal State University, Title of Presentation “Educational wellbeing and mental health of children in the time of pandemic”
2. 22.05.2020-28.05.2020. Presented a paper in FDP entitled “Badalta Bharatiya Paridrishya: Sahitya, Sanskriti, Sanchar aur Manovigyan” (Online mode) organized by TLC, Ramanujan College, University of Delhi, Sponsored by UGC-MHRD (PMMMNMTT), Title of Presentation: “Popular Children’s Media and Language Learning: Understanding childhood in today’s changing context”.

Professional development programmes completed:

1. 29.05.2020-03.06.2020. Completed Online FDP entitled “Sahitya, Media, Manovigyan aur Vanijya ke Vividh Ayam” organized by TLC, Ramanujan College, University of Delhi, Sponsored by UGC-MHRD (PMMMNMTT)
2. 04.11.2020-08.11.2020. Completed Online FDP entitled “One Week Online Faculty Development Program on Implementation of New Education Policy 2020: Role of faculty members of HEIs” organized by TLC, Central University of Rajasthan, Sponsored by UGC-MHRD (PMMMNMTT).

On-going Research Projects in the Department:

Special Assistance Programme (SAP)-DRS Phase-I sponsored by the UGC. Coordinator: Prof. K. C. Sahoo

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):

- **Kahnu Charan Sahoo:** Received Dr. Sarvepalli Radhakrishna Award - ‘Best Teacher for the Year-2021’ in recognition of the accomplishment and achievement for Teaching , Research and Extension in the National Education Conference Cycle jointly organized by Society for Research in Education & Extension (S.R.E.E.) , Bhopal & I.S.E.E, Chennai and Department of Education , Vinaya Bhavana at Vinaya Bhavana , Visva-Bharati, Santiniketan during 1 to 5 March 2021.
- **Partha Pratim Sikdar:** Received Dr. A.P.J. Abdul Kalam Award in recognition of the accomplishment for Innovative Research for the Year 2021 in the National Education Conference Cycle jointly organized by Society for Research in Education & Extension (

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S.R.E.E.) , Bhopal & I.S.E.E, Chennai and Department of Education , Vinaya Bhavana at Vinaya Bhavana , Visva-Bharati, Santiniketan during 1 to 5 March 2021.

- **Sanat Kumar Rath:** Received Dr. A.P.J. Abdul Kalam Award in recognition of the accomplishment for Innovative Research for the Year 2021 in the National Education Conference Cycle jointly organized by Society for Research in Education & Extension (S.R.E.E.) , Bhopal & I.S.E.E, Chennai and Department of Education , Vinaya Bhavana at Vinaya Bhavana , Visva-Bharati, Santiniketan during 1st to 5th March 2021.
- **Prohlad Roy:** Award For National Education Conference Cycle, "Dr. Abdul Kalam Memorial Award For Innovative Researcher For The Year 2021", Organized By Society For Research In Education & Extension (Sree) Bhopal & J.S.E.E. Chennai, Date On 1 March To 5 March-2021.

Publications:

Books:

Rajarshi Roy

Book Chapter:

"Understanding ICT in Education", Rajarshi Roy, pp 1-27, in *Integrating ICT in Education*, ed. Subba, D. New Delhi: APH Publishing House, 2020. ISBN: 97 893 89875 06 5.

Shyam Sundar Bairagya

Book:

1. *The contribution of Jahangir to the promotion of Education System and Reconstructing the infrastructure of the Educational Institution*, Anamika Shil & Shyam Sundar Bairagya, Germany: Lap LAMBERT, 2021. ISBN: 136202788488.

Book Chapter:

1. "ICT as an Important Agent of Learning Physical Science", Manjira Bagchi. & Shyam Sundar Bairagya in *Modern Technology and Education*, ed. Pranab Barman & Swapan Kumar Maity, New Delhi: New Academic Publishers, 2021, pp. 141-153. ISBN: 978-81-945869-0-6.
2. "Social Networking Sites (SNS) and Neuropsychology Social Media", Anumita Das & Shyam Sundar Bairagya, in *Social Media: Leisure, Health and Education, Vol.5*, ed. Dr. Pranab Barman, New Delhi: New Delhi Publishers, 2020, pp.32- 41. ISBN: 978-81-947447-2-3.
3. "Pancha Kosha and Human Personality: Relevance of Teacher Education", Swagata Mondal Swagata & Shyam Sundar Bairagya, in *Teaching-Learning Excellence through*

Yoga: A Psychosomatic Interventions, ed. Dr. Pradip Debnath, New Delhi: Bharati Publication, 2020, Vol. 1, pp.165-174. ISBN: 978-81-949793-8-8.

Prohlad Roy

Book:

1. *Academic Discourse on the Thoughts of Dr. B. R. Ambedkar: Need and Relevance in Present Context*, Prohlad Roy, Germany: Lap Lambert Academic Publishing, 2020. ISBN: 978-620-2-52553-4.
2. *Science Education: The Context of Acharya Jagadish Chandra Bose*, Prohlad Roy & Hemanta Mal, Germany: Lap Lambert Academic Publishing, 2020. ISBN: 978-6139999033.
3. *Activities of Raja Ram Mohan Roy in the Development and Proliferation of Modern Education in India*, Prohlad Roy & Nafisa Sanam, Germany: Lap Lambert Academic Publishing, 2020. ISBN: 978-6202919074.
4. *Educational Thought and Contemplation Of Bankim Chandra Chattopadhyay: Reflection Indian Mindset*, Prohlad Roy & Samsunnesa Khatun, Germany: Lap Lambert Academic Publishing, 2020. ISBN: 978-6139999033.
5. *Teaching Techniques and Learning Style of Geography in School Education*, Prohlad Roy, Sk Rashidul Haque & Afazuddin Sk, Germany: Lap Lambert Academic Publishing, 2021. ISBN: 978-6203306088.
6. *Education and Sustainable Development: in Thoughts of Rabindranath Tagore*, Prohlad Roy, Afazuddin Sk. & Sk. Rashidul Haque, Germany: Lap Lambert Academic Publishing, 2021. ISBN: 978-6203306088.

Book Chapter:

1. "Problem an India Languages and Education System", Prohlad Roy, in "*Together towards Tomorrow: Role of Persian, Marathi, Hindi and other Languages for Sustainable Development*", ed. Dr. Mohammad Faique, New Delhi: Arnab Enterprises, 2020, pp.01-09. ISBN: 978-81-93658-55-0.
2. "Inter-Relationship Indigenous Knowledge and Sustainable Development: A Review of Bolpur Subdivision", Anindya Mondal & Prohlad Roy, in "*Together Towards Tomorrow: Role of Persian, Marathi, Hindi and other Languages for Sustainable Development*", ed. Dr. Mohammad Faique, New Delhi: Arnab Enterprises, 2020, pp.60-69. ISBN: 978-81-93658-55-0.

Chapter-2

Sarita Anand

Book Chapter:

1. “LMS: A mode of Online Teaching”, Sarita Anand, in *Chronic Education Vs. Future Technologies*, ed. Dr. Purnima Pandey, New Delhi: PPDi (Notion Press.com), 2020, pp-256-263, ISBN: 9781636339368.

iv. Research Papers:

Benudhar Chinara

1. “Measures for implementing teacher education policy as envisaged by national education policy–2020.” B.D. Chinara. *University News*, 2021, Vol. 59, No. 04 2021, pp.10-13. ISSN - 0566-2257.
2. “Effect of collaborative learning approach on science achievement of elementary school children.” Moumita Maji and B. D. Chinara. *Wesleyan Journal of Research*, 2020, Vol.13, No. 4, pp.5-10. ISSN: 0975-1386 (UGC Care Approved).

Kahnu Charan Sahoo

3. “Social Concern of Science Education”, Sahoo, K.C . *Shodh Samiksha*, 2020 Vol. X., Issue-I, pp.01-10. ISSN: 2249-5045.

Rajarshi Roy

4. “Effect of blended and traditional instructional strategies on ‘Principle Schema’ in life-science learning at secondary level students with relation to their learning-styles”
5. Rajarshi Roy & Nilima Tirkey, *International Journal of Research in Humanities and Social Studies*, 2020, Vol. 7, No. 6, pp 17-27. ISSN: 2394-6288.
6. “Inclusion of Indigenous Pedagogy in B.Ed. curriculum, practiced by the Santhal community”, Laxmiram Gope, & Rajarshi Roy, *Journal of Xidian University*, 2020, Vol.14, No.4, pp 689-702. ISSN: 1001-2400.
7. “Analysis of key components of secondary teacher education curriculum: Objectives, content and learning experiences of the different courses”, Susmita Mondal, & Rajarshi Roy *Purukala*, 2020, Vol.31, No.32, pp 169-176. ISSN: 0971-2143.
8. “Identification of the Indigenous Knowledge for Sustainable Development, practiced by the Chakma Community in North-East India”, Laxmiram Gope, & Rajarshi Roy, *Parishodh Journal*, 2020, Vol. IX, No. III, pp. 4883-4913. ISSN: 2347-6648.
9. “Inclusion of ethno-cultural components in secondary teacher education curriculum”, Susmita Mondal, & Rajarshi Roy, *Studies in Indian Place Names*, 2020, Vol.40, No.56, pp 1177-1185. ISSN: 2394-3114.

Shyam Sundar Bairagya

10. "Role of Teacher Education to Develop Inclusive Attitude Among Teachers for Inclusive Education", Parama Kundu. P. & Shyam Sundar Bairagya, *Khoai*, 2020, Vol. 40, pp.118-127. ISSN: 2319- 8389.
11. "Shikha O Manabchetana: Prosonghe Najrul Islamer Abodan", Anamika Shil.; & ShyamSundar Bairagya, *Khoai*, 2020, Vol 40, pp. 181-187. ISSN: 2319- 8389,
12. "Kazi Najrul Islam r Lekhai Arbi o Parsi Shikher Pratiphalan", Anamika Shil.; & Shyam Sundar Bairagya, *Khoai*, 2020, Vol 39, pp.185-189. ISSN: 2319- 8389.
13. "Rethinking Children's Literature and Their Media World in Creating Sustainable Society". Soumi Mandal, & Shyam Sundar Bairagya, *Tathapi*, 2020, Vol. 19, No.29, pp.256-268. ISSN: 2320-0693.
14. "ICT in Teaching Cartography: A Study on the Affiliated Degree Colleges of Burdwan University", Swagata Mondal & Shyam Sundar Bairagya, *Journal of Education and Development*, 2020, Vol.11, No.20, pp.197-214. ISSN: 2248-9703.

Partha Pratim Sikder

14. "Re-visiting Indigenous Craft of West Bengal, Earthen Doll of Ghurni, Krishnanagar: A Review of Socio Economic Study", Susmita Pramanik, Partha Pratim Sikdar, Debabrata Bandyopadhyay and Aniruddha Banerjee, *International Journal of Recent Scientific Research*, 2021, Vol. 12, Issue-01 (E), pp.40755-40758. ISSN: 0976-3031
15. "Re-visiting Indigenous Craft of West Bengal, Wooden Doll of Natungram: A Review of Socio Economic Study", Susmita Pramanik, Partha Pratim Sikdar, Debabrata Bandyopadhyay and Aniruddha Banerjee, *Research Review: International Journal of Multidisciplinary (Peer Reviewed Journal)*, Vol.5, No.11, pp.87-89. ISSN: 2455-3085.

Sanat Kumar Rath

16. "Equality Vs. Quality Syndrome in Education System of India", Sanat Kumar Rath, *Shodh Samiksha*, 2020, Vol. X. Issue -I, pp.11-20. ISSN: 2249-5045.
17. "Re-emphasizing Children's Literature in second language classroom of Elementary School", *Shodh Samiksha*, 2020, Vol. X. Issue-II, pp.100-109. ISSN: 2249-5045.

Prohlad Roy

18. "Rabindranath Thakurer Siksha Darshane Purnota", Prohlad Roy, *Khoai*, 2020, Vol- 39, No.39, pp-163-169. ISSN: 2319-8389.
19. "Financing in Secondary Education in India And Germany: A Critical Comparative Analysis", Mriganka Narayan Das & Prohlad Roy, *Khoai*, 2020, Vol-39, No.39, pp-01-17. ISSN: 2319-8389.

Chapter-2

20. “Multilingual Approach in English Teacher at the Secondary Education: Stakeholder’s Perspective”, Sanatan Das & Prohlad Roy, *Khoai*, 2020, Vol-39, No.39, pp-21-27. ISSN: 2319-8389.
21. “Analyzing The Prospect of Rural Tourism in Birbhum District, West Bengal”, Anindya Mondal & Prohlad Roy, *Khoai*, 2020, Vol-40, No.40, pp-76-85. ISSN: 2319-8389.
22. “Critical Analysis on Transacting the Curriculum in Secondary Education of India and Germany from a Comparative Perspective”, Mrigankanarayan Das & Prohlad Roy, *Khoai*, 2020, Vol-40, No.40, pp-127-140. ISSN: 2319-8389.
23. “Karam: Prak Veidak Jugar O etejhovhi O Shiksha mulok Bikhoroapon Utsov”, Prohlad Roy & Baburam Murmu, *Khoai*, 2020, Vol-40, No.40, pp-141-143. ISSN: 2319-8389.
24. “Yoga SiksharUtpatti O Bikas: Ekti Adhyayan”, Prohlad Roy & Sanjay Ghosh, *Khoai*, 2020, Vol-40, No .40, pp-144-148. ISSN-2319-8389.
25. “Prince Dara Shikoh: A Diverse Hero in the Complex Socio-Culture Situation of 17th Century Mughal”, Prohlad Roy & Siddique Wasim, *Khoai*, 2020, Vol-41, No.41, pp-126-129. ISSN: 2319-8389
26. “Educational Implication during the Transition of Gorkhaland Movement from 1986-2017”, Prohlad Roy & Punam Pradhan, *Gorteria*, (Scopus), 2020, Vol-33, No.12, pp.481-487. ISSN: 0017-2294.

Chitralkha Maiti

27. “Reorienting Pedagogical Approaches to Address Education for Sustainable Development”, Chitralkha Maiti, “*Shodha Samikshaa*” *National Peer Reviewed Refereed Research Journal in Education & Sanskrit*, 2020, Vol. X, Issue-I. ISSN: 2249-5045.
28. “Inculcation of Values through Hidden Curriculum in Secondary Schools”, Chitralkha Maiti, “*Education India Journal: A Quarterly Refereed Journal of Dialogues on Education*”, 2020, Vol.9, Issue-4. ISSN: 2278-2435.

Sarita Anand

29. “Transformative Education: An Emancipatory Proclamation of Instrumental and Communicative Learning”. Sarita Anand and Rasmani Karmakar, *Suraj Punj Journal for Multidisciplinary Research*, 2021, Vol.11, Issue-2, pp.127-134. ISSN: 2394-2886.

Soumi Mondal

30. "Equality Verses Quality Syndrome in Education system of India" *SHODHA SAMIKSHA: A National peer reviewed referred Research Journal in Education and Sanskrit*, 2020, Vol. X, Issue-I, pp.11-20. ISSN: 2249-5045.
31. "Re-emphasizing Children's Literature in Second Language Classroom of Elementary School" *SHODHA SAMIKSHA: A National peer reviewed referred Research Journal in Education and Sanskrit*, 2020, Vol. X, Issue-II. ISSN: 2249-5045.

Number of paper published in Peer Reviewed Journals: 31

Individual Publication:

a) Single author: 09

b) Joint authors (of the same Department): 22

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

Department carried out e-internship, e-assessment through Google Form, and virtual work education experience.

Any other relevant information:

Initiative will be taken to introduce four-year integrated teacher education programme.

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**DEPARTMENT OF PHYSICAL EDUCATION AND
SPORT SCIENCE**

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

| Sl. No. | Date of Qualify | Name | Exam. |
|----------------|------------------------|---------------------|--------------|
| 1 | 03.10.2020 | Tarh Kaya | UGC – NET |
| 2 | 03.10.2020 | Dibyangana Banerjee | UGC – NET |
| 3 | 30.11.2020 | Amrit Mahato | UGC – NET |
| 4 | 30.11.2020 | Lab Das | UGC – NET |
| 5 | 30.11.2020 | Jahangir Alam | UGC – NET |
| 6 | 30.11.2020 | Kishan Kahar | UGC – NET |
| 7 | 30.11.2020 | Dibyangana Banerjee | UGC – NET |
| 8 | 10.07.2020 | Jahangir Alam | WBSET |
| 9 | 03.10.2020 | Potdip Nandi | WBSET |
| 10 | 03.10.2020 | Debabrata Das | WBSET |
| 11 | 03.10.2020 | Santanu Malik | WBSET |
| 12 | 03.10.2020 | Aminur Rahman | WBSET |
| 13 | 03.10.2020 | Amrit Mahato | WBSET |
| 14 | 03.10.2020 | Dibyangana Banerjee | WBSET |

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

Sumanta Kumar Mondal

- 22.08.2020-23.08.2020: Delivered a lecture as Resource Person in webinar on Science of Plyometric Training organized jointly by West Bengal Athletic Association & Sports Authority of India in Association with Bangladesh Athletics Association on Development of Athletics from Rural to Urban.
- 30.08.2020: Delivered a lecture as Resource Person in webinar on Health is Wealth in Relevance to the Practices During Covid-19 Pandemic organized by the Department of Physical Education, Gushkara Mahavidyalaya, Gushkara, Burdwan, WB.
- 02.09.2020-03.09.2020: Delivered lecture as Resource Person in webinar on Fitness during Pandemic Covid-19 organized by the Department of Physical Education, The University of

Burdwan, Burdwan, WB on Health and Fitness during Pandemic Covid-19 and Holistic Approach to Athletics.

Samiran Mondal

- 25.07.2020-26.07.2020: Acted as Chairperson of 1st Session International Webinar on Trends of Development of Physical education and education in 21st Century 25th - 26th, July, 2020. Organized by Chandrapur College, Burdwan University in Collaboration with WBCIPE.

Gopal Chandra Saha

- Successfully completed AIFF D Certificate Coach Educator's Refresher Course

Mahesh Sawata Khetmalis

- 27.04.2020-29.04.2020: Successfully completed Online Three-day Faculty Development Program on 'Teaching Learning through E-Learning Technologies', Rajiv Gandhi University, Arunachal Pradesh.
- 13.05.2020-14.05.2020: Delivered lecture on Online International Webinar on 'Impact of Covid-19 on Physical Education & Sports Business Management', LNIPE, Gwalior.
- 02.06.2020-03.06.2020: Delivered lecture on Online National Webinar on 'Stay fit & healthy: The mantra to challenge Covid-19', Banda University of Agriculture & Technology.
- 10.06.2020: Delivered lecture on Online National Webinar on 'Emerging Issues and Challenges on Health, Education and Environment due to the Global Pandemic Covid-19', Government Degree
- 15.06.2020-19.06.2020: Successfully completed Online One Week Faculty Development Program on 'Moodle Learning Management System', Don Bosco College, Itanagar, Arunachal Pradesh.
- 09.07.2020-12.07.2020: Online Certification on 'Sports Pedagogy & Leadership', Sportify & LNIPE, Gwalior.

Kallol Chatterjee

- 13.05.2020-14.05.2020: Delivered lecture on International Webinar 'Impact of Covid19 Physical Education & Sports Business management Organised by L.N.I.P.E Gwalior.
- 31.12.2020-02.06.2020: Successfully completed One week workshop on 'Leadership Development Programs' Organised by L.N.I.P.E Gwalior.

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- 01.06.2020-02.06.2020: Delivered lecture on Webinar on Roll of Exercise Science During Covid-19 Pandemic: Impact & Future Challenges Organised by department of Physical education, SHUATS.
- 24.06.2020: Delivered lecture on National Webinar on Yoga: Principles to Reboot Your Life Organised by the department of Physical Education, Isabella Thoburn College, Lucknow.
- 13.07.2020-15.07.2020: Delivered lecture on National Webinar on Physical and Psychological Well-being through House Hold Work and Daily Life Activity Organised by the department of Physical Education, Siddhinath Mahavidyalaya, WB.
- 18.01.2021: Delivered lecture on National Level Web Lecture Series on Yoga and Life Style Organised by the department of Physical Education and IQAC, Gobinda Prasad Mahavidyalaya, Bankura, WB.

Sentu Mitra

- 13.06.2020-19.06.2020: Successfully completed One Week Online Faculty Development Programme on Recent Trends in Research and Applied Statistics organized by Sun Rise University, Alwar.
- 11.07.2020: Delivered lecture as Resource person on National Level Webinar on Fitness and Wellness during Covid 19 Pandemic Situation organized by the Department of Physical Education in Collaboration with IQAC, Saheed Anurup Chandra Mahavidyalaya, Burul, South 24 Pgs, West Bengal.
- 20.07.2020-22.07.2020: Delivered lecture as Resource person on National Level Web Lecture Series and delivered lecture Fitness at Home during covid-19 pandemic situation organized by the Gobinda Prasad Mahavidyalaya, Amarkanan, Bankura, West Bengal.

Abhijit Thander

- 27.06.2020-29.06.2020: Delivered lecture as Resource person on Online National Workshop on Contemporary Issues on Women's Health, Nutrition, Fitness and Cricket organized by Raja Birendra Chandra College, Murshidabad, West Bengal.
- 17.09.2020: Delivered lecture as Resource person on One Day National Level Webinar on Current Trends and Development in Physical Education and Sports Science organized by department of Physical Education, Suri Vidyasagar College, Suri, Birbhum, West Bengal.

Ashoke Mukherjee

- 13.03.2021-26.03.2021: Successfully completed Refresher Course organised by HRDC LNIPE Gwalior

Lipsy John L

- 23.08.2020-17.09.2020: Completed successfully the Online Certificate Course on Science of Exercise organized by University of Colorado, USA.
- 15.02.2021-17.03.2021: Completed successfully the UGC sponsored 'Guru-Dakshta' Faculty Induction Programme organized by UGC-HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur, CG.

Rekha Ningthoujam

- 15.02.2021-17.03.2021: Participated in the UGC sponsored 'Guru-Dakshta' Faculty Induction Programme organized by UGC-HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur, CG.

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

- 29.08.2020: National Sports Day Celebration in online mode
- 05.09.2020: Teacher's Day Celebration in online mode.
- 12.01.2021: Mass Demonstration Presentation on National Youth Day Celebration at Vinaya Bhavana
- 26.01.2021: Departmental troop participated in NCC March past competition on Republic Day Celebration at Vinaya Bhavana, Visva-Bharati
- Mass Demonstration Presentation on Republic Day Celebration at Vinaya Bhavana, Visva-Bharati
- 03.03.2021-05.03.2021: Organized Online Workshop on Skill on Communicative English for the students of B.P.Ed. & M.P.Ed. Semester-I of the Department of Physical Education and Sport Science, Vinaya Bhavana

Publications:

Sumanta Kumar Mondal

- 'Study of Relationship between Kicked ball Angle and Kicking Leg Kinematics at the time of Execution of Chip Shot of Male Soccer Players.' Saibal Chandra and Sumanta Kumar Mondal. Indian Journal of Physical Education Sports and Applied Sciences. (April 2020). Vol-10, No-2, pp-1,2,6. ISSN- 2277-7881

Samiran Mondal

- 'Understanding the theoretical Mechanisms behind Proprioceptive Neuromuscular Facilitation through the Experimental Studies on Brain'. Manabendra Majhi, Samiran

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Mondal, Sridip Chatterjee, Deepeshwer Singh. Indian Journal of Applied Research ,2021 Volume 11,Pp- 89-94

- ‘Significance of Proprioceptive Neuromuscular Facilitation on Physical Facilitation on Physical Fitness Physiological Function and Rehabilitation: A Narrative Review’. Manabendra Majhi, Samiran Mondal, Sridip Chatterjee. International Journal Of Scientific Research, Volume 10, Year 2021, Pages 11-14
- ‘Effect of Proprioceptive neuromuscular facilitation stretching on Physical fitness: A Critical Analysis.’ Manabendra Majhi, Samiran Mondal. GSC Advanced Research and Reviews. 2021. Volume 06(01), Pp 071-075

Gopal Chandra Saha

- ‘Integrated Approach Towards Diabetes Management.’ European Journal of Physical Education and Sport. 2020. Volume 8(1): PP: 26-31
- ‘Influence Of Recreational Games On Neuropsychological Abilities Of Elderly Adult Tribal Women.’ European Journal of Physical Education and Sport Science. 2020. Volume 6 : Issue 6 PP: 75-83
- ‘The Effects Of Participating In Recreational Games On Health Markers And Reaction Time In Middle-Aged Tribal Women’, Asian Journal of Medicine and Health. 2020. Volume 18(9): 139-146

Kallol Chatterjee

- ‘Estimation of Blood Lactate with the Progression of a Football Match’ Indian journal of Physical Education, Sports and applied Science (Oct, 2020) Vol 10 No 4.

Sentu Mitra

- ‘Motor Fitness Demands on Positional Play of Professional Hockey Players: A Comparative Assessment.’ Laishram Bikram Singh and Sentu Mitra. International Journal of Multidisciplinary Educational Research. (April 2020). Vol-9, No-4(3), pp-161-172. ISSN- 2277-7881.
- ‘Effect of High Intensity Interval Training and Speed Endurance Training Programmes on Leg Explosive Strength of Football players.’ Gopal Mondal and Sentu Mitra. International Journal of Creative Research Thoughts. (May 2020), Vol-8, No-5, pp-2313-2318. ISSN- 2320-2882.
- ‘Effect of HIIT and Set Training Programmes on Aerobic Capacity of Football Players.’ Gopal Mondal and Sentu Mitra. International Journal For Innovative Research In Multidisciplinary Field. (May 2020), Vol-6, No-5, pp-223-226. ISSN- 2455-0620.
- ‘A study on Bowling Accuracy, Mental Skills and Depth Perception of Pace Bowlers in

Cricket.’ Multan Khan and Sentu Mitra. International Journal For Innovative Research In Multidisciplinary Field. (Jun 2020), Vol-6, No-6, pp-57-62. ISSN- 2455-0620.

- ‘Effect of sports and exercise on executive function: A Review Study.’ Multan Khan and Sentu Mitra. International Journal For Innovative Research In Multidisciplinary Field. (Jun 2020), Vol-6, No-6, pp-95-99. ISSN- 2455-0620.
- ‘Comparative Study on Selected Anthropometric Measurement of National and State Level Women Soccer Players.’ N. Suhindar Singh and Sentu Mitra. International Journal of Creative Research Thoughts. (Jun 2020), Vol-8, No-6, pp-1610-1615. ISSN- 2320-2882.
- ‘Cohesiveness among National Level Women Soccer Players: A Comparative Study.’ N. Suhindar Singh and Sentu Mitra. International Journal for Innovative Research in Multidisciplinary Field. (Jun 2020), Vol-6, No-6, pp-126-129. ISSN- 2455-0620.

Abhijit Thander

- ‘Effect of Online Cricket Coaching Programme On Batting Technique At Msdhoni Cricket Academy.’ European Journal Of Physical Education And Sport Science, 6(7).
- ‘Home Based Physical Activity And Exercise Can Be A Mind Refresher Capsule During Covid -19 Pandemic.’ Vidyawarta International Multilingual Referred Research Journal. 2020, Pages 277—282
- “Can Eight Over Bowling Spell Be A Directives Of Pace Bowling For Practice Session: An Experimental Study”, International Journal Of Innovative Science And Research Technology . July 2020. Volume. 5 Issue. 7, Pp :- 1125-1129. ISSN - 2456-2165.
- "A Study On Rate Of Perceived Exertion State During Eight Overs Bowling Spell In Cricket", International Journal Of Creative Research Thoughts. August 2020. Volume.8, Issue 8, Pp.229-233, ISSN:2320-2882.

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

- i. Curriculum of B.A./B.Sc.(H) in Physical Education was reviewed and introduced with the nomenclature B.Sc.(H) in Physical Education
- ii. Curriculum of Ph.D. in Physical Education was reviewed.

A brief history and future plan of the department:

The Department was established in the year 1997 as a constituent department of Vinaya Bhavana (Institute of Education) to produce good quality teachers in the field of Physical Education & Sports and also to nurture university students with maximum exposure to sports. The B.P.E. (Three Years Undergraduate Honours Program in Physical Education), MPE (Two Year Master of Physical Education) and Ph. D. in Physical Education were introduced in the

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department in 1998, 2001 and 2000 respectively. The B.P.E. (Honours) program was subsequently reviewed and reintroduced with the nomenclature of BA/BSc(H) in Physical Education w.e.f. 2004 to comply with the requirement of West Bengal Central School Service Commission for the appointment of Assistant Teacher in Physical Education in WB schools. Thereafter B.P.Ed. (Two Year Teacher Training Program in Physical Education) with due recognition of the N.C.T.E. was introduced in 2007. The then existing M.P.E. program was also reviewed and reintroduced in the department with the nomenclature of M.P.Ed. with due recognition of the NCTE. The NCTE also extended retrospective recognition to the previous M.P.E. program offered by the department. Presently the department offers B.Sc. (Hon) in Physical Education, B.P.Ed. (Two Year Teacher Training Programme), M.P.Ed. (Two Year Post Graduate Teacher Training Programme) and PhD programme in Physical Education and Sport Science. In 2017, the nomenclature of the department 'Department of Physical Education' was renamed as 'Department of Physical Education and Sport Science' with due approval of competent bodies of the university. The department has produced many physical education professionals and they are working in different universities, Government and Non-government schools and colleges in the capacities of Assistant Teachers, Assistant Professor, Sports Directors etc in all over the country. The department has also produced many doctoral theses in the field of physical education and sport science with good remarks from other professional institutions and organizations. The future mission of the department is to produce graduates in different sports science subjects with a vision to improve the knowledge bank of the sports science subjects by our own research and investigation for the improvement of sports performance of Indian sports persons and also to promote the health and wellbeing of Indian citizens. Department has already developed good quality human performance laboratory and wish to upgrade the laboratories further by procuring sophisticated research equipment. The focus of the research will be to improve health and fitness, improve human performance in sports and to find out daily life activities and find out means and ways to accelerate the rehabilitation process. Department also wishes to enhance the workability of ICT laboratory by procuring more computers and other ICT gadgets to give better exposure to the students. The sports infrastructure of the department shall be upgraded to a modern competitive sports complex and to materialize that, department will work in collaboration with University Sports Board with an idea of maximum utilization of resources by the stakeholders. The department intends to sign memorandum of understanding with other sports universities inside and outside of the country to promote collaborative research, exchange of culture and ensure better exposure to sports training and performance for the students of our university. The department aspires to be recognized by the Govt. of India as a Centre of Excellence in Physical Education and Sports.

Any other relevant information.

Dr. Ashoke Mukherjee has been attached to the department on 14/09/2020

- Professor Sagarika Bandyopadhyay retired on 31/01/2021
- Professor Ashok Kumar Goon retired on 28/02/2021
- Professor Gopal Chandra Saha Joined the department as Professor on 19/08/2020
- Dr. Awashes Subba Joined the department on 18/08/2020 as Assistant Professor (ST)
- Dr. Lipsy John L. Joined the department on 27/07/2020 as Assistant Professor (OBC)
- Ms. Rekha Ningthaujam joined the department on 20/03/2020 as Assistant Professor (SC)

DEPARTMENT OF YOGIC ART & SCIENCE

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

- 19.06.2020-20.06.2020: Department with Visva-Bharati Library Network jointly organized an International Webinar On ‘Evidence Based Lifestyle modification through Yoga in Covid-19 Pandemic’.
List of Speakers: 1. Prof. K.C. Sahoo 2. Dr. N.C. Saha 3. Dr. H.R. Nagendra 4. Dr. R. Nagarathna 5. Dr. NK Manjunath 6. Dr. Indranil Basu Ray 7. Prof. Christopher Key Chapple 8. Dr. Ashitha BR 9. Dr. Subramanya Pailoor 10. Dr. Sanjib Patra 11. Dr. Ghanshyam Thakur 12. Dr. Hemant Bhargav 13. Dr. Kashinath M 14. Dr. Abhijit Ghosh 15. Dr. Sridip Chatterjee 16. Dr. Nilkamal Singh 17. Dr. Kuntal Ghosh 18. Prof. Alok Shoritriya 19. Dr. Biman Paul 20. Prof. Samiran Mondal
- 13.11.2020: Organized a Webinar on ‘Ayurveda for Covid-19 Pandemic’ ‘National Ayurveda Day’ . List of Speakers: 1. Dr. Chalcal Kaibayta 2. Dr. Abhisekh Ghosh 3. Dr. Susmita Bhowmick Ghosh.
- 03.12.2020: Organized a webinar on ‘Not all Disabilities are Visible’. List of Speakers: 1. Dr. S. Parween 2. Dr. Saumya Chandra

National and International standard Conference /Seminar /Workshop / Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Samiran Mondal

- 31.07.2020: Webinar on Physical and Mental Health Organised by Birbhum Mahavidyalaya.
- 21.11.2020: Chairperson ‘Yoga Session’ Webinar on Covid-19, An Integrated Approach Govt. Of West Bengal Mehesh Bhattacharyya Homeopathic Medical college and Hospital Dumoorjala, Howrah- 711104 & Dr. Willmar Schwabe India Pvt Ltd.

Parichiti Saha

- 18.03.2021: Delivered a speech in a seminar entitled “In COVID – 19 pandemic situations the mental stress of students and the way to deal with it”. Organised by Patha Bhavana,

Rupesh Kumar

- 22.02.2021-23.02.2021: Attended National online workshop on “Alternative therapies for Physical & Mental Health” organized by Dayanand College, Hisar, Haryana.

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

- 06.06.2020: Online Orientation programme on 'Mental Health and Well Being of the Universities students and staffs during and after the lockdown'. Jointly with MHWUSS Committee and Visva-Bharati Library Network.
- 21.06.2020: Celebration of 6th International Day of Yoga 21st June 2020. (Online)
- 29.08.2020: National Sports Day Observation . a. Fitness Programme 'Fit India'.
b. Disaster Management
- 05.09.2020: National Teacher Day Observation. a. Our Teacher our Hero. b. New Education Policy. c. Dr. Tapasankar Das facilitation
- 'Sarada Arghya' Organised by Department of Yogic Art Science (A Musical Event)
- Sri. Prasanta Ghosh b. Sri. Biswajit Sahoo c. Sri. Buddhadev Das d. Sri. Apurbalal Manna
e. Prof. Saybasachi Sarkhel
- 26.11.2020: Webinar on Constitutional Values and Fundamental Principles of Indian Constitution. List of Speakers: a. Sri Debajyoti Mukherjee b. Sri Subhadeep Ray
- 12.01.2021: Yogasana Demonstration, Celebration of National Youth Day .
- 26.01.2021: Yogasana Demonstration on 125th Birthday of Netaji Subhas Chandra Bose.
- 07.03.2021: Prior International Women Day 'Wellness for Women'.
- 11.03.2021-25.03.2021: Yoga for Women Health (14th Days Yoga Session)
- Ms. Parichiti Saha, Assistant Professor, Member of the Executive Committee of Visva-Bharati Woman Association.
- Dr. Amaravathi E., offered free Yoga and Physiotherapy treatments on daily basis.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

- Life Member Certificate from Indian Yoga Association (IYA)

Publications:

Samiran Mondal

- Effect of 12 Weeks of Yogic Training on Neurocognitive Variables: A Quasi-Experimental Study. *Indian Journal of Community Medicine*, Volume 46, Year 2021, Pages 112-116
- Yoga can alter the autonomic neural activity: a critical analysis *Current Traditional Medicine*, Volume 06, Year 2020,
- Yoga and brain wave coherence: A systematic review for brain function improvement, *Heart and Mind*, **Volume 4, Year 2020, Pages 33**

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Rupesh Kumar

- Effect of Yogic management on Gastroesophageal Reflux Disease {GERD}, Sambodhi, 2021

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

- I. M.Sc. In Yoga, 2020
- II. Dr. Amaravathi E., trained five students as yoga therapists for working women and spinal disorders

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

History of the Department:

- a. Maharshi Debendranath Tagore established Santiniketan Ashram as a meditation retreat for all religions. His illuminated son Gurudev Rabindranath Tagore started a Brahmacharya Vidyalaya, a traditional ancient Indian Tapoban style school, where Yogavyayama was compulsory in daily routine. Slowly, it had grown up as a college and ultimately recognized as an International University, Visva-Bharati. From the inception, Yoga, Vayayama (Exercise) and Krida (Play) was mandatory in Tagore Educational ideology. In 1951, Visva-Bharati became a Central University, with 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. Again, 19th May, 2016 MHRD and UGC recommended Visva-Bharati to establish a Department of Yogic Art & Science, which was accepted in the Visva-Bharati Academic Council on 30.05.2016. Finally the Department of Yogic Art & Science has been insatiate on 15th May, 2017 on the auspicious occasion of '200 years birth anniversary of Maharshi Devendranath Tagore, the founder of Santiniketan Ashram.
- b. Presently the Department of Yogic Art & Science offered B.Sc. (Hons.) in Yoga, M.Sc. In Yoga and Post-Graduate Diploma in Yoga.

Future Plans for Development

- The Department will offer Ph.D. programme in Yoga, P.G. Diploma in Yoga Therapy (only for doctors) and Certificate course in Yoga.
- The department will start an International Research Centre on Yoga and related areas.
- Yoga Gram (Yoga Village) project is in progress.
- Yoga & Meditation Centre for all.
- Indian Ancient & Traditional Yoga Library.

- International standard Scientific Yoga Laboratories
- AYUSH Medical Centre at Dinabandhu Andrews Memorial Hospital.
- Yogic Art Museum
- Geriatric Yoga Centre.
- Divyangjan Yoga rehabilitation Centre.
- Yoga and Child care Centre.
- Yoga and Women care Centre.
- Yoga and Drug De Addiction Centre.

Any other relevant information:

- A. M.Sc. in Yoga started from December 2020.
- B. Research Laboratory opened from September 2020.
- C. Yoga & Naturopathy Clinic opened from January 2021.

The Department of Yogic Art & Science is an open air school with traditional ancient Indian culture. “Yoga Gram (Yoga Village)” is in full swing. The cottages of Asana, Pranayama, Kriya, Mudra and Meditation will come up step by step. Ayurved, Yoga and Naturopathy treatment has already been offered under internship programme of UG and PG courses in Dinabandhu Andrews Memorial Hospital, Visva-Bharati. Ayurvedic garden will flourish near to the department to preserve the extinct and endangered Indian medicinal plants and herbs with a landscaping garden for the practical classes and for the interested visitors.

PALLI SAMGATHANA VIBHAGA *(Institute of Rural Reconstruction)*

Tagore initiated the ‘Sriniketan Experiment’ through establishment of Palli Samgathana Vibhaga (Institute of Rural Reconstruction) in 1922. It was later on acknowledged and acclaimed even by the outside world as an eminent institution for innovative experimentation. In the words of Tagore, the object of his programme was ‘to bring back life in its completeness into the villages making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions’. Tagore's mission of rural reconstruction was based on four principles - self-interest, self-respect, self-reliance and joy in work. Now, the Institute of Rural Reconstruction i.e., Palli Samgathana Vibhaga (P.S.V) is actively engaged in improving the condition of surrounding villages and also has four academic departments which impart education in a very structured manner with research facilities. The four departments include Department of Social Work, Department of Silpa-Sadana, Department of Rural Studies (Palli Charcha Kendra), and Department of Life Long Learning and Extension (Rural Extension Centre). Each department has its own objectives and functions with a common goal of Rural Reconstruction.

Besides the existence of four departments under Palli Samgathana Vibhaga (P.S.V), it has one Music Unit which is primarily working for teaching of the boys and girls of the surrounding villages adopted by the Visva-Bharati. The unit aims towards spreading the Rabindra-culture through music and folk songs in the villages. The Bhavana also has a library at its premise under the administrative control of Central Library, Santiniketan. Library has enough facilities to access important journals, magazines, daily newspapers, etc. besides books of related academic programmes of the respective departments.

Last but not the least; Sriniketan is a place which excels in cultural exchange since the Tagorian period. This happens through the organization of functions/festivals and P.S.V participates actively in this context. The common festivals include Halakarsana Utsava, Silpotsava, Sriniketan Annual Festival and Magh Mela. The festivals provide ample scope for interaction among the local communities.

DEPARTMENT OF LIFELONG LEARNING & EXTENSION (RURAL EXTENSION CENTRE)

Introduction:

Department of Lifelong Learning and Extension (Rural Extension Centre) 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 in 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. During the convocation lecture on 25 May 2018, our Hon'ble Acharya (Chancellor) and Prime Minister of India Sri Narendra Modi appreciated the initiators, being informed regarding the development works carried out in surrounding 50 villages through Visva-Bharati. He, addressing his extending hope and expectation from the university seeks to reach the initiative in 100 villages by 2020-2021, celebrating the completion of the centenary of the University. So, presently, the Department has identified 56 more villages and initiatives have been taken to work in 106 villages.

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 and Research Programmes

- I. Two-year Master Degree in Rural Management
- II. Offering regular Ph. D. Programme.
- III. 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)

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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: Existing 50 (Fifty), initiatives have been taken to include 56 more villages gradually.

Nature of villages in terms of caste domination in existing 50 villages

- 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 rural reconstruction works in the villages carried out and implemented through the village Development Societies (VDS) situated in the villages were closely and actively associated with the department. Village Development Societies work at the grass root level for implementing as well as formulating different extension activities of the department.

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 names 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.

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 |
| Mahila Samities | 12 | 12 | 10 |
| Health Society | 1 | 1 | 1 |

During this year, partial financial assistance was given to VDSs for the construction, electrification, repairing of society buildings, purchase of essential materials etc. Village Development Societies are also facilitated with partial financial assistance for conducting cultural programmes, health awareness programmes, plantation, sports and other extension

programmes in their respective villages by involving local people, resources and institutions. Footballs and Volleyballs are distributed among village development societies for promotion of sports in their villages. This year meeting was held with the stake holders of the Department at village and Cluster level to spread awareness about Covid -19.

A new initiative has been taken by the Department to include and organise more Village Development Societies (VDS) in the operational area of the Department for extension programmes.

Initiative of Village Development Societies during Covid-19 Pandemic

This year Village Development Society has taken active role for creating awareness about prevention of pandemic COVID 19 in their villages. Youth members of Village Development Societies come forward to make people aware to wear mask and maintain social distancing. They also collected food stuff for poor, needy and migrant workers in their villages during lockdown period and distributed these among distressed villagers during lockdown. They also arranged quarantine center for migrant workers in villages. The Departmental staff members keep in continuous touch with the VDS, encourage and motivate VDS for active participation to fight against Covid-19. The following activities undertaken by VDS at a glance:

Details of Relief Distribution at a Glance

| No. of Villages Covered | No. of Families Benefited | Total No. of Population Covered | Materials Distributed |
|-------------------------|---------------------------|---------------------------------|--|
| 10 | 2194 | 10158 | Rice, Pulses, Oil, Potato, Soya, Mask, Soap etc. |

Awareness Generation Programme on Covid-19 by VDS

| No. of villages covered | No. of Families Benefited | Total Population Covered |
|-------------------------|---------------------------|--------------------------|
| 07 | 3000 | 14500 |

II. Mahila 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 Mahila Samities 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 Mahila Samities. Presently, the department has 12 Mahila Samities in the operational area. In connection with women empowerment, different types of awareness and training programmes have been conducted with active support of the Mohila Samities. This year Mahila Samities have also taken active role for awareness

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generation and distribution of food stuff among poor and needy people during lockdown.

Mahila Samities at a Glance

| No. of Mahila Samities | No. of Villages Covered | No. of Registered Societies |
|------------------------|-------------------------|-----------------------------|
| 12 | 12 | 10 |

III. 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 on the ideals of Gurudev Rabindranath Tagore. 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 for the natural equilibrium & environment education.
- ❑ To develop leadership qualities among the children of Brati organization through group dynamism.

During last year, due to pandemic situation and lockdown it was not possible to organize Brati Balak organization programme.

IV. Self Help Groups (SHGs)

Organisation, supervision and development of 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 livestock activities are important. During this year, 150 SHG members also participated in awareness programme on prevention of Covid-19 at Supur village.

V. 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 center in the respective villages. This programme in rural areas has been carried out through a network of 38 rural libraries with active and financial support from Raja Rammohann Roy Library Foundation (RRRLF), Kolkata. Librarians and Assistant Librarians of rural libraries have been working voluntarily since the 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.

During this current financial year (2020-2021), due to this pandemic situation (COVID-19) we were able to conduct restricted activities of Rural Library Services centrally as well as in the village level. In new normal situation, the activities of rural libraries are being carried out maintaining COVID-19 protocol & guideline passed by Govt. of India from time to time.

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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 | 12 | |
| Library having internet facilities | 01 | |

Status of Books:

| | |
|--|-------------|
| Total No. of books in Rural Library | : 1, 44,312 |
| No. of books purchased during the year | : 1734 |

Activities of the Library during this year:

| | |
|-----------------------------------|----------------|
| Library day observation | : 05 Libraries |
| Wall Magazine Published by | : 02 Libraries |
| Cultural Programme | : 05Libraries |
| Total seminar organised centrally | : 08 nos. |

Other activities of Rural Library Services

- Each of the 35 rural libraries facilitated with sanitizer dispenser along with sanitizer and mask.
- Distribution of 51nos. of books (title) to each rural library this year.
- Distribution of 1161 nos. of specimen copy of book to newly set up library of Bhimpur and Debagram village.
- 24 no. of health-related specimen copy of books distributed to Surul Health Society library.
- Financial assistance provided to 06 libraries for conducting cultural programme in different occasion in their respective libraries involving library readers.
- Sahitya Sabha was organised in Surul Anandamoyee Samity library where readers from different libraries recited and presented their own writings.

Special Initiative

02 new villages namely Bhimpur and Debagram are identified to set up library and those libraries were initially given specimen copies of books to start library services.

VI. 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 and organic farming in the Kartickdanga and Srichandrapur villages, necessary initiatives were taken by the farmers.

VII. 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 as a part of entrepreneurship development among rural artisan. 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.* This year one craft man was engaged for making cotton mask distributed among different stake holders of the University for Protection from Covid-19. During the year, Department has organised one exhibition cum sale counter at Raipur village.

VIII. Special Initiative for Radio Programme on Extension Activities

A 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 have been transmitted through the Radio during this year also. This initiative has taken place with the help of All India Radio, Aakashbani, Santiniketan.

IX. Folk Cultural Activities

To revive the traditional folk culture and to encourage the creative potentialities through this traditional asset in the rural areas are the main objectives of this programme. Different types of folk cultural programmes were organised by the members of the village development societies. During the year, Department has organised Tribal Dance Programme on 08.01.2021 at Raipur village on the occasion of visit by the DG, RRRLF, Kolkata.

X. 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.

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XI. Celebration of Important Events/Days

1. **Celebration of Constitution Day:** The Department has taken initiative to celebrate Constitution Day on 26.11.2020 at Nurpur village. Total 65 participants from SHGs, Mahila Samities, and VDS representative took pledge of the Preamble of the Constitution on that day.

2. **Netaji Birth Day Celebration:** Birth day of Netaji Subhas Chandra Bose was celebrated by the Department on 23.01.2021 at Adityapur village. Total 150 youths and villagers participated in the programme. A cultural programme was organised on the occasion.

XII. Exchange/Visit Programme

Prof. Ajay Pratap Singh, the newly appointed DG, RRRLF, Kolkata came to Department for a meeting of Rural Library Committee on 08.01.2021 and also visited Raipur Rural Library under the Department on that day.

XIII. Linkage Development

The Department of Lifelong Learning & Extension (Rural Extension Centre), Visva-Bharati has been developing linkages with the following Institutions:

01. Raja Rammohan Roy Library Foundation, Kolkata, Ministry of Culture, Govt. Of India
02. All India Radio, Santiniketan
03. Block Development Office, Illambazar, Bolpur- Sriniketan
04. Block Primary Health Centre, Bolpur & Illambazar
05. DIC, Suri, Birbhum
06. Central Cottage Industries Corporation of India Limited, Kolkata

Seminar / Conference / Workshop attended / Organised/ Lectures given

Amit Kumar Hazra

- TV (Doordarshan) Talk given on PM Garib Kalyan Yojana on 20.05.2020, 08.09. 2020 and 26.09.2020
- Acted as a discussant for the ICSSR project entitled 'Social, Economic and Political Empowerment of Women: The Role of Microfinance Interventions in Diverse Cultures' organised by the Department of Business Management, University of Calcutta, on 04.07. 2020
- Radio (Akashvani) talk on Minimum Support Price on 26.07.2020.
- Participated in the First Workshop on 'Post-Editing Technical Translations in Indian Languages' organized online by the International Institute of Information Technology (IIIT), Hyderabad during 15.07.2020 - 21.07.2020 as a nominee by the University for development of MOOC materials.

- Chaired the session ‘Rural Credit and Financial Inclusion’ in the (online) International Seminar on Rural Development in Asia-Pacific Region : Special reference to North-East India and its Bordering Countries jointly organised by the National Institute of Rural Development and Panchayati Raj (NIRD&PR), North Eastern Regional Centre, India with Bangladesh Academy for Rural Development, Comilla, Bangladesh in collaboration with Centre for Studies on Bangladesh and Myanmar, Dibrugarh University, India; College of Natural Resource, Royal University Bhutan; Department of Development Studies, University of Dhaka, Bangladesh and Rajiv Gandhi University, Arunachal Pradesh, India on 24.08.2020.
- Chaired the Session ‘Rural Programmes and Policy’ in the International Seminar on Rural Development in Asia Pacific Region organized through online platform by the National Institute of Rural Development and Panchayati Raj (NIRD&PR), North Eastern Regional Centre, India on 27.08.2020.
- Acted as a panelist in the IconSWM - India - Philippines connect Webinar ‘Resource Circulation and Waste Management under Pandemic COVID-19’ organised by the International Society of Waste Management, Air and Water (ISWMAW) (www.iswmaw.com) on 10.09.2020.
- Acted as a Resource Person in the Web Discussion on ‘Strengthening Rural Businesses of Santiniketan’ organised by the US Consulate General, Kolkata, Claflin University, US and VBU on 30.09.2020.
- Chaired a technical session on ‘Waste Management and Associated Aspects’ in the 10th International Conference on Sustainable Waste Management towards Circular Economy organised by Jadavpur University, Kolkata (virtually) on 03.12.2020.
- Participated in the BEFWAM January update meeting with University of LEEDS, UK and CREEC, Uganda during 07.01.2021 – 09.01.2021.
- Acted as Resource Person and lecture given in the Research Methodology: Lecture Series organised by the Department of Sociology, University of Calcutta, on 13.01.2021
- Participated in the 8th Indian Social Work Congress, 2020 and the 8th Asia Pacific Conference organised by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development (ICSD) and the Department of Social Work, Visva-Bharati during 28.02.2021 - 02.03.2021.
- Given lecture as Resource Person in the Refresher Course on Business Studies organised by the Department of Business Management, University of Calcutta on 17.03.2021.

Chapter-2

Sujit Kumar Paul

- Delivered a special lecture on ‘Tagore’s Philosophy on Rural Reconstruction’ for the Gandhi Fellows on 15.04.2020, organised by Pirmal Foundation, Sahebgang Unit, Jharkhand.
- Acted as Resource Person and delivered a lecture on ‘Education & Society: The Challenges in Post Pandemic’ in the online Lecture Series on Turning Crisis into Opportunity: Rural Development Perspective conducted by the Department of Rural Development, University of Science and Technology, Meghalaya, from 15.06.2020 – 20.06.2020.
- Acted as Resource Person and delivered a lecture on ‘Curriculum Development and Evaluation Process in Higher Education’ in the e-content online Workshop on Curriculum Design and Evaluation Process in Higher Education as per CBCS organised by the Internal Quality Assurance Cell, University of Science and Technology, Meghalaya, held on 14.07.2020 and 15.07.2020.
- Acted as a Resource Person and delivered a lecture on ‘Participatory Rural Appraisal’ during the Ph.D. Course work on 10.09.2020, organised by department of Home Science, University of Calcutta.
- Delivered a special lecture on ‘Exploring Marketing of rural Artisans’ during the workshop on E-marketing, Gem Portal, GST etc. for the Artisans for the year 2020-21 on 16.10.2020, organised by the Office of the Development Commissioner (Handicrafts), Handicrafts Service Centre, Government of India at Santiniketan, West Bengal.
- Delivered a special lecture on ‘Sustainable Development Goals: Government Initiatives in Local Contexts’ on 30.10.2020, during the Global Planary on the Sustainable Development Goals in Local Contexts in celebration of the 75th Anniversary of the United Nations, organised by Association for World Education, US.
- Presented a paper on ‘A Study on the Significant Approaches towards Financial Inclusion in India’ during the two-day International e-Conference on Changing Landscapes in Business, Finance and Economy: A Global Perspective, organised by Department of Commerce in collaboration with IQAC, Sidho-Kanho-Birsha University, Purulia, West Bengal during 28.11.2020 – 29.11.2020.

Subhrangsu Santra

- Participated as Co-Chair Person in an ‘International Seminar on Rural Development in Asia –Pacific region’, held during 24.08.2020 – 28.08.2020.

- Presented a paper entitled 'Factors causing Vulnerability Among Children in Need of Care and Protection: A Trends in West Bengal' on IIHSG International Conference 2021 held during 25.02.2021 – 26.02.2021.

Publications

Amit Kumar Hazra

- Biogas policy in India published in the Leeds CERA (Clean Energy Research Alliance) website. The website link: <https://cera.leeds.ac.uk> (with Sreya Ghosh and Tapas Bagdi)
- Community Managed Drinking Water Sources- Some Interesting Cases from North 24 Parganas and South 24 Parganas Districts In West Bengal (with Swapnanil Dey) in the book *Water Resources: Current and Future Challenges and Research Directions*, ISBN number: 978-81-941009-3-5.
- Analysis of Youths' Perspective in India On and During the Pandemic of COVID-19 (jointly with Aman Basu, Ajishnu Roy and Kousik Paramanik) in the *Social Science Quarterly*, published by the Wiley-Blackwell, July 2020, <https://doi.org/10.1111/ssqu.12839>
- Plant Power: Opportunities and challenges for meeting sustainable energy needs from the plant and fungal kingdoms in the *Plants, People, Planet*, published by the Wiley-Blackwell, September, 2020, DOI 10.1002/ppp3.10147
- Information Seeking Behaviour and Exposure to Mass Media in Socio-Economic Empowerment among the Santals of Birbhum, West Bengal (Jointly with Atanu K. Sinha), published in the *JETIR*, April, 6(4), (published in December 2020).
- Mass Media in Creating Awareness among Agricultural Labours During COVID-19 Pandemic in Birbhum, West Bengal (Jointly with Atanu K. Sinha) published in the *Indian Journal of Extension Education*, 57(1), (January-March), 2021, ISSN 0537-1996

Sujit Kumar Paul

- Enhancement and Securing Women and Child Health through Capacity Building, Paper published in the *Indian Journal of Adult Education* (UGC Care Journal), ISSN 0019-5006, 81(3-4), July - December, 2020.

Subhrangsu Santra

- Pandemic-Induced Lockdown's Shock to Household Level Food Security, published in *ENSEMBLE: A bi-lingual peer reviewed academic journal*, ISSN 25820427 (Online), <https://doi.org/10.37948/ensemble-2021-sp1>, pp-120-128, March, 2021.

Chapter-2

Ongoing Projects

Amit Kumar Hazra

- Promoting Women's Family-based Entrepreneurship Development in West Bengal under the US-India Partnership 2020 programme, sponsored by the Claflin University, USA. [Commencement date: 15.05.2020]: A Detailed article is published on the project entitled Strengthening Women's Entrepreneurship in the Span magazine, July-August 2020 by Ranjita Biswas]

Subhrangsu Santra

- Social Impact Assessment/Socio-Economic Study on Khagra Joydev Coal Mine Area at Dubrajpur Block of Birbhum District sponsored by Khagra Joydev Resources Ltd., Kolkata, Sanctioned amount Rs. 15-75 Lakhs
- Concurrent Evaluation of the Implementation of National Food Security Act – 2013, Phase – II, in Sikkim, Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur and Andaman & Nicobar Islands sponsored by the Ministry of Consumer Affairs, Food and Public Distribution, Department of Food & Public Distribution, New Delhi, Sanctioned amount Rs. 4.84 Lakhs per year

Member of Academic Bodies

Amit Kumar Hazra

External Expert member of the Research Advisory Committee (RAC) of the Department of Sociology, West Bengal State University, Barasat

Sujit Kumar Paul

- BOS External Expert of the Department of Rural Studies, West Bengal State University
- Supervision and Guidance Committee Member of the Department of Rural Studies, Tripura Central University, India
- AWE UN Representative and Vice President of AWE International – an International Organization that holds “Consultative Status” with the Economic and Social Council (ECOSOC) in the United Nations

Subhrangsu Santra

- Member of the Sectoral Working Group (SWG), Siliguri Mahakuma Parisad, Siliguri, West Bengal as Subject Expert.

**DEPARTMENT OF RURAL STUDIES
(PALLI CHARCHA KENDRA)**

Introduction:

Palli Charcha Kendra (Department of Rural Studies) is an interdisciplinary center 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.

Palli Charcha Kendra (Department of Rural Studies) is running in full swing an undergraduate course (Bachelor of Rural Studies, BRS) and a post graduate course in Rural Studies (Masters of Rural Studies, MRS) and continuing our Ph.D. course in Social Science. The two courses BRS and MRS started in July, 2015 and the previous course –MA in Rural Development was phased out in 2016. The new courses of which undergraduate course was the new one was introduced following the guideline on streamlining of the nomenclature of various courses by MHRD and UGC as per gazette notification July 2014. This actually is the outcome of the department's vision and mission adopted in the year 2013-2014, which are indicated in the self-assessment report of NAAC-2015 and also in various annual reports submitted from 2013-14 academic year onward.

Main Features of the Course

Our existing syllabus is of a well-blended mix in this direction. In 2017, we reformulated our syllabus adopted in 2015 again after threadbare discussion held in a workshop on syllabus held in March, 2017 with active participation of different universities from Gujarat and other states, and management institutes like IRMA. In the workshop we adopted a uniform syllabus for Rural Studies all over India.

Our mission statement in 2013-2014 was – ‘This subject Rural Studies itself is an emerging subject in the academic arena. We are giving our efforts to establish this as an academic discipline by developing a course structure and the syllabus which will produce students having a strong basic theoretical knowledge of related core subjects and they will also possess the power to apply that knowledge in the real-world situations’. In fact, we are on the fifth year of our mission and goal adopted in 2013-14.

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 organized by the Department, we have extended our knowledge-based service in the village Binuria, in Sriniketan – Bolpur Block. The students were supervised by the teachers to conduct survey-based activities in educational sphere.

Chapter-2

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

New Course

The department has designed a new Masters in Rural Studies (MRS) CBCS curriculum which had been already implemented from July 2017.

The Bachelor in Rural Studies (BRS) commensurate with new CBCS curriculum introduced by Visva-Bharati has also been introduced in July 2017.

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 section of social science 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 Vidya Bhavana -with M.Phil. course and a keen orientation strictly towards research work- under stalwarts of social science--like V.K Roy Barman (ex-director Anthropological Survey of India), Sunil Sengupta (co-author of many books with Jean Dreze, Harris Gazdar). The famous Ashoke Rudra also taught M.Phil. 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 and Ph.D. courses in Social Science and Anthropology respectively and these carried on successfully.

3) Under statutory amendments from 31.01.2010 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 Ph.D. in Social Sciences remained under PSV. However, HLC recommended that Department of PCK as such (before bifurcation) should be put under Vidya Bhavana.

a) Intake capacity in the course of MRS- 40 in each year

b) Intake capacity in the BRS- 40 in each year

b) Approximately 19 Ph.D. students are enrolled.

Indication of the future plans for development

1. Department also envisages applying for SAP, which has already been passed in BOS.

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. The department has very capable human resources to compete with any academic institution carrying out academic courses in Rural Studies. However, there are many lacunae too. The foremost hindrance of the department is vacant faculty positions. Next is the in adequate space; it is of utmost necessity keeping in mind the introduction of the two new courses-BRS and MRS along with existing academic provisions.

DEPARTMENT OF SILPA-SADANA

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

International Webinar

International Webinar on 'Craft, Community and Future' from 24.08.2020 – 28.08.2020

National Webinar

National Webinar titled 'Prospects of Wool and Handloom' organized by Silpa-Sadana, Visva-Bharati on 07.08. 2020 (on National Handloom Day)

Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars

Vishal C. Bhand

International Webinar

Organised International Webinar on 'Craft, Community and Future' from 24.08.2020 – 28.08.2020

Naional Webinar

- Acted as the Convener, National Webinar titled 'Prospects of Wool and Handloom' organized by Silpa-Sadana, Visva-Bharati on 07.08. 2020 (on National Handloom Day)

Invited Lecture

- Delivered lecture as Invited Speaker in the National Webinar titled 'A for Aesthetics' organized by, ABP Group on 10.09. 2020

Exhibition(s)

- National exhibition on 'Mix Media' during 07.08.2020 – 06.09.2020 at CIMA Art Gallery, Kolkata
- National exhibition on 'Mix Media' during 20.11.2020 – 16.12.2020 at CIMA Art Gallery, Kolkata

Ashish Ghosh

Exhibition(s)

- Online exhibition 'Waste to Create' with ECOAWARART GALLERY, India on 16.11.2020
- Online exhibition on 'Nature Art' organized by www.showapero.com on 20.01.2021

Invited Lecture

- Delivered a talk on 'Birbhumer Luptapray Hastoshilpo' at Santiniketan Dooradarshan on 18.10.2020

- Delivered a talk on ‘Craft of Birbhum’ on YouTube channel Paradise Incredible on 9.12.2020
- Delivered lecture on ‘Documentary on Toy (Part 1)’ at Santiniketan Dooradarshan on 08.01.2021
- Delivered lecture in the Seminar on ‘Tribal Craft Development’ organized by D.I.C., and Tribal Welfare Organization, Birbhum on 25.02.2021
-

Padmini Balaram

Workshop Attended

International

- ‘Fabrics for Festive & Party Dress & Face Mask’, at IAUD Workshop on "Ward off Plague!!", as a part of the 8th International Conference for Universal Design in the Cloud 2021, organized by The International Association for Universal Design (IAUD), Japan, during 28.02.2021 -13.03.2021 once a week on week-ends

Conference/Seminar attended

National

- ‘Transmission of Indian Textiles to East Asia (China and Japan): A Reflection of Connected South Asia’, Invited Speaker, as a part of Navaratri Talks, Woman Leadership: Transforming Indian Diaspora, organised by Indology Foundation in collaboration with SNTD Women’s University Mumbai & Sinhgad Technical Education Society, Pune, on 24.10.2020
- ‘Bastar and Koraput Textiles: Design and Use’, a lecture as invited Resource person for Faculty Development Program on Research and Innovation in the World of Textiles, Apparel, Fashion and Lifestyle (02.02.2021 – 08.02.2021), organised by UGC, Human Resource Development Centre, Punjab University, Chandigarh, (Prof. Padmini Balaram’s lecture was on 03.02.2021)
- ‘Ancient Indian Textile Techniques and Their Continuity to Present’ a lecture delivered as Invited Resource Person in FDP organised by Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, on 17.03.2021

International

- ‘Aesthetic Journey in Japan’ in the 1st Inaugural Intercultural Dialogue Series organized and invited by Japan Foundation, on 04.09.2020
- ‘Gandhiji’s Vision on Khadi, Burning of Foreign Cloth and Chmapran Stayagraha’, at online International Conference on Revisiting Gandhi: Peace Justice and Development, organized by Association of Asian Scholars, during 30.10.2020 -31.10. 2020

Chapter-2

- ‘Trade and Cultural Influences of India on Sri Lanka’ at International Webinar on Indian Relations with Sri Lanka & The Maldives, organised by KSAS, Kolkata during 28.03.2021 – 29.03.2021

Ashis Mitra

National Webinar

- Delivered lecture as resource person in the National Webinar titled ‘Prospects of Wool and Handloom’ organized by Silpa-Sadana, Visva-Bharati on 07.08.2020 (on National Handloom Day)

Prabir Kumar Choudhuri

On-line Certification Program

- Attended 4-week NPTEL on-line certification program on ‘Product Design and Development’ conducted by Indian Institute of Technology, Roorkee (during September to October, 2020)

Mrinal Kanti Sarkar

Exhibition(s)

- International Online Painting and Sculpture Exhibition (*Kopai*) organized by Nandan Satiniketan Society, Kolkata for one month starting from 25.12.2020.
- Colours Artland Academy Small Painting Exhibition at Hyderabad during March 27.03.2021 - 02.04.2021.

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

Through the extension activities of Textile section of the department, handloom weavers of nearby villages have been given the 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. Due to the COVID-19 Pandemic situation, the famous *Poush Mela* was not organized in the year 2020. For that reason, the department has lost its greatest platform to sell out its produce this year.

However, rural craftsmen in the field of carpentry, pottery, artistic leather crafts, handmade paper making, batik etc. have been provided employment through manufacturing of different crafts items of respective trades either by providing raw materials to them or by directly purchasing the finished items from them as per the designs supplied by the department.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)

Shantanu Kumar Jena

Has been invited as a member of the National Institute of Design Haryana Industry Academic Advisory Board for the session 2020 – 2021

Ashish Ghosh

- India Iconic Education Awards on 14.03. 2021 Delhi
- Sat Icon Award 2021 awarded by Suman Art Theatres, a Cultural and Event Organization, on 21.02.2021 at Birla Planetarium, Hyderabad, Telangana

Publications :

Padmini Balaram

- P. T. Balaram, The Black Teeth of Wancho, *Journal of Anthropological and Archaeological Sciences*, 2(4), pp. 275-278, August, 2020, ISSN: 2690-5752.

Prabir Kumar Choudhuri

- Binwant Kaur and **P K Choudhuri**, A Review on Union Fabrics, *Man Made Textiles in India*, XLVIII (8), August. pp. 264-269, 2020

Ashis Mitra

- Ashis Mitra, Jute Fibre Gradation by Hybrid AHP-TOPSIS Methodology of Multi-Criteria Decision-Making Technique, *Journal of the Textile Association*, ISSN 0368-4636, e-ISSN 2347-2537, pp. 5-12, May - June, 2020
- Ashis Mitra, Jute Fiber Gradation by Grey Fuzzy Logic Approach, *Journal of Natural Fibers*, Taylor & Francis, Print ISSN: 1544-0478 Online ISSN: 1544-046X, Published online September 15, pp. 1-11, 2020, DOI: 10.1080/ 15440478.2020.1818351
- Ashis Mitra, Selection of Cotton Fabrics Using EDAS Method, *Journal of Natural Fibers*, Taylor & Francis, Print ISSN: 1544-0478 Online ISSN: 1544-046X, Published online: 29 September 2020, pp. 1-13, DOI: 10.1080/ 15440478.2020.1821289.
- Ashis Mitra, Gradation of Raw Jute Fibres Using Evaluation based on Distance from Average Solution (EDAS) Method, *Journal of the Institution of Engineers (India): Series – E*, Springer, ISSN 2250-2483, Published online: 06 October 2020, DOI: 10.1007/s40034-020-00181-2.

Sankar Roy Maulik

- **Sankar Roy Maulik**, Lina Chakraborty, and Pintu Pandit, Evaluation of Cellulosic and Protein Fibers for Coloring and Functional Finishing Properties using Simultaneous

Chapter-2

Method with Eucalyptus Bark Extract as a Natural Dye, *Fibers and Polymers*, 22, 2021, pp 711-719, DOI: <https://doi.org/10.1007/s12221-021-0092-0>, ISSN 1875-0052 (electronic version).

- Kunal Bhandari, Akanksha Adaval, Arup R. Bhattacharyya, and **Sankar Roy Maulik**, Synthesis of Microcrystalline Cellulose from Carpenter Waste and Its Characterizations, *Journal of Natural Fibres*, July, 2020, pp1-15 Print ISSN: 1544-0478 Online ISSN: 1544-046X. DOI: <https://doi.org/10.1080/15440478.2020.1788688>
- Anurati Chaudhuri, Lina Chakraborty and **Sankar Roy Maulik**, Recycling– an Approach towards Sustainability, *International Journal for Modern Trends in Science and Technology*, 6(9S), 2020, pp169-174 ISSN: 2455-3778 online. DOI: <https://doi.org/10.46501/IJMTST0609S28>
- **Sankar Roy Maulik** and Kazi Md. Nasiruddin, Mud Resists – a Sustainable Process on Textiles, *Asian Dyer*, 17 (5), 2020, pp 49-53. ISSN: 0972-9488
- Alokesh Mridha, Aniruddhya Mukhopadhyay, Debasish Das, Biswajit Sarkar and **Sankar Roy Maulik**, Sustainable Dyeing of Silk with Natural Dyes using Natural Sources of Water, *Journal of the Institution of Engineers (India): Series E*, 27th November, 2020, ISSN: 2250-2483, DOI 10.1007/s40034-020-00195-w
- Kunal Bhandari, Partha Roy, Arup R. Bhattacharyya and **Sankar Roy Maulik**, Synthesis and Characterization of Microcrystalline Cellulose from Jute Stick, *Indian Journal of Fibre & Textile Research*, 45, December 2020, pp. 464-469.
- Ahana Bhattacharya and **Sankar Roy Maulik**, Legacy of *Chhipas*: the Unsung Tale, *Journal of the Textile Association*, 81 (3), 2020, pp 146 - 153. ISSN: 0368-4636

A brief history on the development of the 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 six different trades or disciplines is being imparted to about 192 regular students. Silpa-Sadana offers Ph. D. programme, 2-years Master of Design programme, 4-year Bachelor of Design, Bachelor of Vocation programme and 2-year Certificate Courses in i) Hand Made Paper Making, ii) Hand Batik, iii) Artistic Leather Work, iv) Wood Work, v) Pottery, and vi) Handloom Weaving.

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 staffs of the department, village artisan, daily rated casual workers and students of training units of Silpa-Sadana. The products thus made are sold through its Sales Emporium at Sriniketan.

The departmental Workshops/Studios/Laboratories have been developed and upgraded by incorporating new equipment/tools/machineries purchased out of equipment grant.

Any other relevant information:

Sukanya Chatterjee

Completed one day online training course on "Hands on Engineering structures-Construction with Bamboo and it's Techniques" on 13.01.2021 organized by Indian Plywood Industries Research & Training Institute (IPIRTI), Kolkata

Book Chapter/Conference Proceedings

Sankar Roy Maulik

- Pintu Pandit, Sanjay Shrivastava, **Sankar Roy Maulik**, Kunal Singha and Lokesh Kumar, Challenges and Opportunities of Waste in Handloom Textiles, (Recycling from Waste in Fashion and Textiles A Sustainable and Circular Economic Approach, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava), *John Wiley & Sons, USA and Scrivener Publishing LLC, USA*, 2020, ISBN 978-1-119-62049-5, pp 123-149

DEPARTMENT OF SOCIAL WORK

Introduction:

The Department of Social Work, Visva-Bharati, Sriniketan began its journey in 1963. 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 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 also has the PhD Programme in Social Work with course work as per the UGC Guidelines 2009.

The Department has started PG Diploma in Disability Studies and PG Diploma in Exclusion and Inclusive Policy and is currently running its second batch now.

In this academic year despite Covid-19 pandemic lockdown and online mode of learning, the Department of Social Work engaged with more than 30 villages and 30 NGOs in different blocks and cities across the country from where the students belonged to different social welfare and developmental activities. Apart from this, in the academic year 2020-21, majority of the students qualified for their under graduate (B.S.W.) and post graduate (M.S.W.) examinations. They have received placement in various organizations through the Placement Cell of the department- namely JSPLS, GNRC, BSLPS, Gandhi Fellowship, etc. in recognised national and international organizations and online mode of placement is still going on.

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 to provide basic instructions in Social Work, theoretical and practical, with a sound foundation in general education and a good back-ground in other social sciences.

Have a direct bearing on the problems of social welfare and community development particularly those of rural reconstruction, tribal and backward class welfare and management and welfare of the working classes in the unorganized sector. Equip students of social work to work in multivariate fields and issues for social welfare and rights-based initiatives.

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 Examinations

Baidyanath Sarkar- UGC NET (2020)

Departmental Seminar (Speakers, Title of the Seminar, Date) [Distinguished external Speakers only]

- The Department of Social Work has organized Webinar titled “Child marriage during pandemic and coping skill” on 21.10.2020. The above theme was identified under the series of university webinars titled ‘Children and Young Adults during COVID-19: Issues and Challenges’. Collaborative partners were UNICEF and School of Media, Communication and Culture, Jadavpur University
- The Department of Social Work has organized Webinar titled ‘Cancer Prevention and Healthy Lifestyle’ on 19.11,2020 in collaboration with ‘Sanjeevani- Life Beyond Cancer’. Sangita Das (MSW Final Year Student), St. Xavier University has facilitated the event.
- The Department of Social Work has organized Webinar titled National Council of Social Work (Education and Practice) Bill, 2020 on 26.11.2020. Eminent academicians form Social Work fraternity were invited to deliver the lecture
- Field Work Unit of the Department of Social Work has organized two days virtual (1.12.2020 and 2.12.2020) orientation program for newly joined MSW students. Faculty members of the department were involved in taking various sessions for the orientation.
- The Department of Social Work organized the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSADAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSADAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021.

Any National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teacher/Research scholars in details. [Maximum 2 per Teacher]

Prasanta Kumar Ghosh

- Conducted the Child Labour Survey of the District of Birbhum during April 2020 and submitted the report in March 2021 as the Principal Investigator, sponsored by the District Administration, Govt. of West Bengal, under the NCLP drive, Ministry of Labour, Govt of India

Chapter-2

Invited Lectures/Seminars/Chairperson

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021-02.03.2021

Asok Kumar Sarkar

Seminars/ Conferences/Workshops Organized

- Worked as Organizing Secretary for jointly organized 8th Indian Social Work Congress and 8th ICSDAP Conference (Virtual) on 'Social Cohesion, Collective Responsibility and Social Work Profession' hosted at Department of Social Work, Visva-Bharati, Sriniketan during 28.02.2021- 02.03.2021

Invited Lectures/Seminars/Chairperson

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021

Debotosh Sinha

Invited Lectures/Seminars/Chairperson

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021

Paramita Roy

Invited Lectures/Seminars

- Delivered an invited lecture in International Webinar entitled 'Tagore's thoughts on Rural Reconstruction' organized by CSWPD Foundation, Bangladesh. Title of presentation, 'The role of women in Tagore's Rural Reconstruction' on 13.08.2020.
- Delivered an invited lecture in National Level Two-week Faculty Development Programme (FDP) entitled 'Advanced Techniques and Tools in Social Science Research' organized by Department of Business Administration, Aliah University. Title of presentation, 'Objectifying Research and selecting the Sample Base' on 25.11.2020.
- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch

Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021.

Papers Presented in Conference/Seminar

- Presented a paper in 8th Social Work Congress and 8th ICSDAP Conference, organized by NAPSWI, New Delhi, ICSDAP and Visva-Bharati, Title of presentation, ‘Making Health Services Adolescent Friendly: Insights from the perception and practices of AFHC counselors’. (co-authored) on 01.03.2021.

Workshops/Orientation and Refresher Courses

- Completed 8-week (2 credit) FDP on ‘Economic Growth and Development’ by NPTEL (MOOCs) conducted by IIT Guwahati, Jan-Mar 2021, Scored 69% (Elite).

Subhashree Sanyal

Paper Presented in National/International Seminar & Conferences

- Presented paper titled ‘Spirituality, Bereavement and Interpretations of Tagore: Linking Through Social Work Practice’ in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021

Chaired Session/Delivered Lectures

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021.
- Delivered a talk in a Panel Discussion titled ‘Impact of Covid-19 on Migrant Workers from West Bengal’ in One Day National Webinar on Migrant Workers in India during Covid-19: Emerging Issues and Way Forward jointly organized by Faculty of Students Welfare and Placement Cell, MG Kashi Vidyapith Varanasi on 04.05.2020
- Invited as Speaker to deliver a lecture on ‘Construction Workers: Issues and Challenges’ in One Day Webinar on Migrant Women Workers: Issues and Challenges organized by National Commission for Women and MG Kashi Vidyapith Varanasi on 24.11.2020
- Delivered a special lecture on Importance of Mental Health in Covid-19 in One Day Orientation Programme on Mental Health and Well-Being for staff and students of

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Visva-Bharati during and after the lockdown on 06.06.2020 organized by Director PSNS and VBLN Visva-Bharati

Conference/Workshop Attended

- Attended a UGC sponsored Interdisciplinary Refresher Course in Research Methodology (online) organized at to 15.09.2021
- Attended one day webinar on Ethics in Research Methodology organized by UGC-Human Resource Development Centre, Ranchi University, Ranchi Jharkhand during 01.09.2021

Conference/Workshop Organized

- Joint Secretary-8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSADAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSADAP and Department of Social Work; Visva-Bharati between 28.02.2021 – 02.03.2021
- Member Organizing Team for One Day Lecture on Intellectual Property Rights Organized by the Internal Quality Assurance Cell; Visva-Bharati on 21.09.2020

Sukumar Pal

International/ National Conference/Seminar / Symposium / Workshop

- Presented a paper entitled 'Emerging challenges of Women Tea Workers during Covid-19' in the International Webinar on Pandemic and Social Work Profession organised by the Department of Social Work, Bankura University, West Bengal, India on 28.08.2020 -29.08.2020
- Presented a paper entitled 'COVID-19 and its Effect on Education System in India: Some Challenges' in the National Webinar on COVID-19: Impact on Society, Education and Economy organized by School of Professional Studies (SPS), Netaji Subhas Open University, Kolkata on 12.08.2020.

Invited Speaker/Resource Person/Reviewer in Seminars/Workshops

- Delivered a lecture as special invited speaker on 'Role of NGOs and NSS Volunteers to Disaster Risk Reduction, Relief and livelihood Promotion' on 10.12.2020 in a State level Webinar organized by NSS Unit and IQAC Kandra Radha Kanta Kundu Mahavidlaya, Purba Burdaman.
- Delivered two lectures online, one on 'Catch the Rain: Capacity Building and livelihood Activities in Disaster Hit Areas' organized by Nehru Yuva Kendra, Burdwan on

28.01.2021 and another on Catch the Rain Water: Preservation and its uses on 02.02.2021

- Delivered a lecture online on ‘Disaster Risk Reduction, Relief, Livelihood Promotion with reference to Aila, Amphan and Covid-19’ on 19.09.2020 organized by Netaji Subhas Open University, Kolkata
- Chaired as reviewer in a session in an International Webinar on ‘Pandemic and Social Work Profession’ organized by Bankura University during 28.08.2020 -29.08.2020

Sudeshna Saha

Paper Presented in National/International Seminar & Conferences

- Presented a Paper titled ‘Corporate Social Responsibility and its Impact of Covid-19 Pandemic Insights from select Corporate Houses’ in the International Seminar on Social Service, Social Work, Social Science – A Road Ahead—Awareness, Education and Opportunities on occasion of World Social Work Month and Social Work Day (ISWSWD-2021) on 16.03.2021, Celebrations, Awareness and Campaign
- Presented a Paper titled ‘Corporate Social Responsibility and its Impact of Covid-19 Pandemic Insights from select Corporate Houses’ in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSADAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSADAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021.
- Presented Paper on ‘Tourism Industry post Covid-19’ in a National Webinar on Impact on society, education and economy organized by Netaji Subhas Open University on 12.08.2020.

Chaired Session/Delivered Lectures

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSADAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSADAP and Department of Social Work, Visva-Bharati between 28.02.2021 – 02.03.2021.
- Invited as Speaker to deliberate on e-platform on topic titled ‘Social Media Boon or Bane for Social Solidarity and Global Connectedness’ organized by All India Association of Medical Social Work Professionals (East Zone) on 16.02.2021 (Link: https://youtu.be/v_BR0nZgZZY).
- Invited as Speaker to speak on e-platform on topic ‘Covid-19 and Migrant Workers’ for Webplatform4Dialogue on 20.05.2020 (Link: <https://youtu.be/NGdxMYAyb7o>).

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Refresher Course

- Attended the 7th Online Refresher Course in Global Studies (interdisciplinary) organized by UGC- HRDC, JNU, New Delhi, during 08.03.2021-20.03.2021
- Tamil Nadu, Thiruvarur and Centre for Applied Research, Gandhigram Rural Institute, Gandhigram held on 10.10.2020
- Participated in National Webinar on Social Work in India Present and Future organized by the Indian Network of Professional Social Workers in India on 18.09.2020
- Participated in One Week Short Term Course (online) on Gender Sensitization and Social Justice organized by Jawaharlal Nehru University, HRDC, New Delhi from 21.09.2020 to 26.09.2020
- Participated on one day International Webinar on “Mahatma Gandhi” organized by Visva-Bharati Library Network (VBLN), Computer Centre, Visva-Bharati on 30.08.2020
- Participated in one week online National Trans-Disciplinary e-FDP on ‘Resilience, Resurgence and Revival Measures for Unorganized Sector-A roadmap to self-reliant India’ organized by Rajiv Gandhi (Central) University, Department of Commerce, Arunachal Pradesh during 24.08.2020 – 29.08.2020
- Participated in online National Seminar on ‘Intellectual Property Rights Tools’ conducted by Hiramaypur Agro-Horticulture Society for Technology and Rural Development with IP Facilitation centre for MSME, ICAR, CRIJAF, Barrakpore, Kolkata on 22.08.2020.
- Participated in a one- week National e -Workshop on using Open-Source Learning Management System for online teaching by Visva-Bharati Library Network (VBLN) and Department of Statistics during 17.08.2020 – 25.08.2020
- Participated in a one-week e-Orientation Program on Field Work in Social Work Practice organized by Department of Social Work, Bangalore University and ISAC foundation, Tumkur during 14.08.2020 – 19.08.2020
- Participated in International Webinar on Covid19 and its impact on Global Economy on 13.08.2020.
- Participated in Virtual CSR Conclave organised by Kristu Jayanti College affiliated to Bangalore University on 13.08.2020 and 14.08.2020
- Participated in one-week lecture series on ‘Turning Crisis into Opportunity’, organized by Department of Rural Development, University of Science Technology and Management, Meghalaya from 15.06.2020 – 20.06.2020
- Participated in online e-Quiz competition organized by Department of Social Work in association with placement cell, IQAC, GFGC, Ajjampura, Chickmanglur, Karnataka 26.05. 2020.

Neelmani Jaysawal

Paper Presented in National/International Seminar & Conferences

- Presented a Paper titled “Impact of Urban Development on Biodiversity-A Review” in the International Seminar on Social Service, Social Work, Social Sciences-A Road Ahead-Awareness, Education and Opportunities, organized in collaboration with Sri Holistic Health Foundation India and Social Service, Social Work and Social Sciences Fraternity between 14.03.2021-17.03.2021.
- Presented a Paper titled ‘Impact of COVID-19 on Indian Economy: A Review’ in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021-02.03.2021

Chaired Session/Delivered Lectures

- Delivered a talk in a Panel Discussion titled ‘Uyghur Genocide in China’ as aired on Democracy News Live Channel on 24.03.2021 (*Link: <https://youtu.be/nRLQC-LWadY>*).
- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021-02.03.2021.
- Delivered a talk in a Panel Discussion titled ‘Rural Health: An Indian Challenge’ as aired on Democracy News Live Channel on 22.12.2020 (*Link: https://youtu.be/ddUChz_mMmI*).
- Invited as Speaker to deliberate on e-platform on topic ‘Impact of COVID-19 on Indian economy’ for Webplatform4Dialogue on 06.06.2020

Conference/Workshop Attended

- Attended a UGC sponsored Interdisciplinary Refresher Course in Research Methodology (online) organized at UGC-Human Resource Development Centre, Jawaharlal Nehru University (JNU), New Delhi during 19.10.2020 to 31.10.2020
- Attended a Trans-Disciplinary One Week National Online Faculty Development Programme (eFDP) on Resilience, Resurgence & Revival Measures for Unorganized Sector: A Roadmap to Self-Reliant India, organized under the aegis of Department of Commerce of Rajiv Gandhi University, Arunachal Pradesh in collaboration with Swami Ramanand Teerth Marathwada University, Nanded and Shivaji University, Kolhapur, Maharashtra between 24.08.2020 -29.08. 2020.

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Sasmita Patel

Chairing of Sessions

- Co-ordinated a pre-event workshop on ‘NCDs prevention and Good Health Advocacy’ at 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan on 27.02.2021.
- Co-chaired a Parallel session titled Social Work, SDGs and Issues towards Social, Economic and Environmental Sustainability in 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan from 28.02.2021- 02.3.2021.
- Co-chaired a Plenary Session on Social Work Education and Practice in 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan from 28.02.2021- 02.3.2021.
- Co-chaired Prof David Cox Memorial Lecture organized during 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan from 28.02.2021- 02.3.2021.
- Co-ordinated a pre-event workshop on ‘Case management as a social support system’ at 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch & the Department of Social Work, Visva-Bharati, Santiniketan on 03.03.2021.
- Co-ordinated a pre-event workshop on ‘Structural Social Work’ at 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan on 03.03.2021.

Invited Lectures Delivered

- Delivered an invited special guest lecture online on ‘Models of Family Functioning’ at the Department of Social Work at Mahatma Gandhi Central University, Motihari, Bihar on 15.3.2021
- Delivered an invited special guest lecture online on ‘Systems Theory in the context of Family and its Functioning’ at the Department of Social Work at Mahatma Gandhi Central University, Motihari on 17.3.2021

Panelist (Resource Person)

- Panelist (Resource Person) in E- International Webinar on ‘Changing Times with Corona virus: Social Workers Adapting to the Changing Scenario’ organised by Aditi Mahavidyalaya on 27.4.2020
- Panelist (Resource Person) in E- National Webinar on ‘Making Schools Safe’ organised by ActionAid, Bhubaneswar on 14.9.2020

Participated in Special Courses

- Participated in One Week Faculty Development Programme (FDP) on ‘Academic Excellence: Skills in Higher Education’ organised by ITM Vocational University, Baroda, India during 08.6.2020 – 13.6.2020
- Participated in One-Week RUSA (Rashtriya Uchchatar Shiksha Abhiyan) FIP Online Short-Term Course on ‘Motivation and Leadership for Teachers’ organised by UGC-HRDC, Osmania University, Hyderabad, Telangana, India during 22.6.2020 – 27.6.2020.
- Participated in One-week RUSA (Rashtriya Uchchatar Shiksha Abhiyan) FIP Online Short-Term Course on ‘Personality Development and Value Education’ organised by UGC-HRDC, Osmania University, Hyderabad, Telangana, India during 29.6.2020 - 04.7.2020.
- Participated in UGC sponsored Refresher Course (RC) on ‘Gender Sensitization’ organised by UGC-HRDC, Osmania University, Hyderabad, Telangana, India during 27.7.2020 - 08.8.2020

Paper Presentation

- Presented a paper titled ‘The State of Social Cohesion, Community Response and Government's Action during COVID-19: A Study from Santhal Pargana Division of Jharkhand’ in 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP)

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Branch & the Department of Social Work, Visva-Bharati, Santiniketan during 28.02.2021- 02.3.2021.

- Presented a paper titled ‘Indigenous Knowledge for Sustainable Development: The Lepchas Perspective’ in 8th Indian Social Work Congress and 8th ICSDAP Branch Conference jointly organized by National Association of Professional Social Workers in India (NAPSWI), International Consortium for Social Development-Asia Pacific (ICSDAP) Branch and the Department of Social Work, Visva-Bharati, Santiniketan during 28.02.2021- 02.3.2021.

Indranil Sarkar- Guest Faculty

Chaired Session/Delivered Lectures

- Co-chaired a Parallel Session in the 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021 -02.03.2021.

Conference/Workshop Attended

- Participated in 8th Indian Social Work Congress (ISWC) and 8th International Consortium for Social Development-Asia Pacific (ICSDAP) Branch Conference (Virtual), jointly organized by NAPSWI, ICSDAP and Department of Social Work, Visva-Bharati between 28.02.2021-02.03.2021.

Manoj Kumar Biswas - Field Organizer

Paper Presentation

- Presented a paper titled ‘Field Work Practice in New Normal Era: Community Reconnects’ in the International Webinar on Pandemic and Social Work Profession organized by the Department of Social Work, Bankura University, West Bengal, India during 28.08.2020 – 29.08. 2020.
- Organized Field Work Lecture Series for BSW-II Semesters during the time of lockdown (May - July, 2020). Total thirteen (13) speakers were invited to deliver lecture from India and abroad (China, Afghanistan and USA)
- Presented a paper titled ‘Prospects of Rural Tourism in Santiniketan: An Inclusive Model of Development’ in the 8th Indian Social Work Congress & International Consortium for Social Development-Asia Pacific Conference hosted at Department of Social Work, Visva-Bharati, Sriniketan during 28.02.2021 - 02.03.2021.

Samit Dasgupta - Audio Visual Operator

University level coverage of following events through lens and moving camera:

1. Silpa Utsav 17.09.2020
2. Amit Shah, Home Minister of India official Visit on 21.12.2020
3. Governor Shri J Dhankar Visit on 24.12.2020
4. Celebration of Centenary Year of Visva Bharati 19.02.2021
5. Sriniketan Annual Festival on 06.02.2021
6. Celebration of Netaji Birthday 23.01.2021
7. Celebration of Birthday of Gandhiji on 02.10. 2020

Publications

Asok Kumar Sarkar

- Edited a book (as co-editor) entitled ‘Contextualizing Peace- Experiences of Contemporary India and Neighbouring Countries (Ed)’, Manak: New Delhi, 2021, ISBN 9788194885528

Debotosh Sinha

- Debotosh Sinha, and Shaw Swapan; ‘Self Help Group and Women Empowerment; A Discourse’ Concept Publishing Company Private Limited, New Delhi, 2021.ISBN-13:978-93-88937-69-6

Subhashree Sanyal

- S Sanyal and S Bhatt, (2021): An Overview of Child Protection Laws in India in International Handbook on Child Protection, Oxford University Press Berkley USA
- S Sanyal and S Chatterjee, (2020): Vulnerabilities and Challenges Associated with Children in Urban Slums: A Case Study of Kolkata, West Bengal; *Journal of Emerging Technologies and Innovative Research*. ISSN 2349-5162.

Sukumar Pal

- Published a joint paper entitled ‘Tribal Land Rights: A Situational Analysis in the context of West Bengal’ in *Journal of Land and Rural Studies*, 9 (1), January 2021, Sage Publications, pp 193-209. ISSN 2321-0249 Online ISSN 2321-7464.
- Published a joint paper entitled ‘Does Convergence Work ? Lesson from NGO Facilitated Intervention among Land Reform Beneficiaries in West-Bengal’ in *International Journal of Academic Research* (Peer reviewed Journal), 7(11) (3), November 2020, pp-38-47 (www.ijar.org.in), ISSN 2348-7666. Impact Factor 6.023.

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- Published a paper entitled 'Article 370 and 35A: Its implication to Dalits, Women and Nation' in *Bhartutthan* (e-journal) dated 10-08-2020, link: <http://bharatutthan.com/2020/08/10/article-370-and-35a-its-implication-to-dalits-women-and-nation/>
- Seminar /Symposium/ discussion in doordorshan
- Joint interaction in Doordarshan, Santiniketan on 'Siksha O Samaj: Role of Ambedkar', Youtube link, <https://www.youtube.com/watch?v=yUiIH-VZ928&feature=youtu.be>

Sudeshna Saha

- Sudeshna Saha, *Women Empowerment: Approaches and Perspectives*, Kalpaz Publications, Gyan Publishing House, New Delhi (2021).
- Sudeshna Saha, *Women Workers in Unorganized Sector: Reflections from Construction Industries from Six Construction Sites of North Kolkata*. in Saha, Sudeshna (Eds.), *Women and Development: Approaches and Perspectives* (pp. 137-155). New Delhi: Kalpaz Publications, ISBN: 978-93-53242-86-2, (2021)
- **Sudeshna Saha** and Neelmani Jaysawal, *Ambedkar: The Unsung Economist*. In Saha, Nimai Chand et al. (Eds.), *Human Rights and Social Justice: Issues and Concerns*, pp. 19-29. New Delhi: New Delhi Publishers, ISBN: 978-93-88879-73-6, (2020)

Neelmani Jaysawal

- Neelmani Jaysawal, *Women in Sustainable livelihood: Case Study of Four Organizations across India*. In Saha, Sudeshna (Eds.), *Women and Development: Approaches and Perspectives* (pp. 137-155). New Delhi: Kalpaz Publications, ISBN: 978-93-53242-86-2, (2021)
- Sudeshna Saha, and **Neelmani Jaysawal**, *Ambedkar: The Unsung Economist*. In Saha, Nimai Chand et al. (Eds.), *Human Rights and Social Justice: Issues and Concerns*, pp. 19-29. New Delhi: New Delhi Publishers, ISBN: 978-93-88879-73-6, (2020)

Sasmita Patel

- S Patel, *Elderly care: A quest on their wellbeing under institutionalized and family-based care*, *International Journal of Humanities and Social Science Research*, 7 (1), pp.147-152, (2021), ISSN: 2455-2070 (co-authored)

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

The department has designed a new Masters in Social Work (MSW) CBCS curriculum which is being implemented from June 2017.

PALLI SIKSHA BHAVANA *(Institute of Agriculture)*

Palli Siksha Bhavana (Institute of Agriculture) imparts premier education in different areas of Agriculture Sciences viz., B.Sc. (Hons) Agriculture, M.Sc. (Ag.) in different specialized fields of Agriculture, M.Sc. in Poultry Science and Ph.D. Students from different states of India and also students from foreign countries have shown interest to pursue their study in agriculture from this leading institute. During this year (2020-2021), 75 (68 Indian and 07 Foreign) number of students have been admitted in B. Sc (Hons) Agriculture, 81 (80 Indian and 01 Foreign) M. Sc (Ag) students, and 38 Ph. D. students have been admitted in different academic programmes. In the year under discussion 47 students of B. Sc (Hons) Agriculture, 54 students of M. Sc (Ag), and 23 students of Ph.D. have been awarded the degree. Among the admitted students, besides the students from West Bengal, we have Students from Sikkim, Tripura, Manipur, Maharashtra, Kerala, Odisha, Bihar, Telangana, Andhra Pradesh, Jharkhand, Chhattisgarh, Uttar Pradesh, Rajasthan, Arunachal Pradesh, Tamil Nadu and from foreign country like Bangladesh.

During this year (2020-2021), it is worth mentioning that 08 students of this Institute have qualified in Junior Research Fellowship and 21 students have got placement in different reputed Institutions through all India basis competitive examination conducted by Indian Council of Agricultural Research and they have been placed in reputed Indian Universities and Institutes for their post graduate studies like Indian Agricultural Statistics Research Institute (New Delhi), GBPANT University of Agriculture and Technology (Pant Nagar), Banaras Hindu University (Varanasi), IGKV (Raipur), NDRI (Karnal) etc. A number of students have been appointed in various Public and Private sectors though campus interview and competitive examinations. Besides twelve academic departments, the institute has units to support teaching, research and extension activities. It is a fact that all activities in all places have been disturbed and could not progress much due to Corona pandemic environment which started from the end of March, 2020. Here, also at Palli-Siksha Bhavana the academic activities have been hampered due to Corona pandemic. During the months, we performed teaching, examination etc. through online mode. This could happen due to the enormous support and cooperation we received from all faculty members and students of the Bhavana. We express our thanks for their cooperation and support. This year 04 news faculties have joined to serve this Institute. We welcome them at Palli-Siksha Bhavana in particular and Visva-Bharati in general.

Presently this institute comprises of 12 departments, for which the separate reports, one from each department, will come one after another.

Chapter-2

The institute also has the following units under its supervision Soil testing Laboratory, Agricultural Farm, a Library and a Krishi Vigyan Kendra.

Agricultural Farm

Agricultural Farm of Palli Siksha Bhavana comprises an area of 47.0 hac, (Out of which 34 hac allotted to R.K.V.K. Palli-Siksha Bhavana on 02.07.2007) with an irrigated area of 13.0 ha, net cultivated area of 12.0 hac. and Experiment area 1.0 hac.

This Agricultural farm serves as a field laboratory of UG, PG and Ph.D. students as well as for faculties involved in field research activities. Field based practical for UG students and different experiments related to the thesis work of PG and Ph.D. students are conducted in the Agriculture Farm in different seasons. Following table indicate the number of field trials and experiments conducted during this year (2020-2021)

| Trial / Experiment conducted during 2020-2021 | | | | | |
|--|----|---------|-------------|-------------|----|
| Khariif | | Rabi | | Pre-Khariif | |
| M.Sc | 00 | M.Sc | 04 | M.Sc | 02 |
| Ph. D | 05 | Ph. D | 04 | Ph. D | 06 |
| Project | 11 | Project | 06 | Project | 06 |
| Total | 16 | Total | 14 | Total | 14 |
| | | | Grand Total | 44 | |

Library

PSB Library was established in 1957, and it is the largest sectional library of Visva-Bharati which serves twelve departments of Institute of Agriculture and also the department of Social Work and Rural Development in particular and other departments of different Bhavanas within Visva-Bharati, in general with its open access library system. The Library provides services from 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 50 journals and 1327 numbers of books. The library possesses 54174 numbers of books and 5554 numbers of bound periodicals in its collection. In this year under review a substantial part of library building has been renovated. In the current year library received a grant of rupees 19 lakhs from ICAR SC-SP for procurement of books

Soil Testing Laboratory

The Soil Testing Laboratory (STL) of Palli Siksha Bhavana has done assessment of soil fertility status of Agricultural soils of this region, specially 19 Block of Suri Sub-Division, Bolpur Sub Division and Rampurhat Sub-Division. It provides recommendation of fertilizer application to the crops.

The analysis of soil samples under centrally sponsored 'Soil Health Card Scheme' is going on smoothly during April-2020 to March 2021. This year 7599 soil samples have been tested and recommended successfully out of 9673 soil samples received. Reports were also loaded online.

Progress Report Soil Sample Received during 2020-21 only at STL, PSB, Visva-Bharati.

| Name of the Sub-Division | No. of Soil Samples Received from the Sub-Division (2020-21) | Test Completed for nos. Of Sample (2020-21) | Percentage of test Completed |
|--------------------------|--|---|------------------------------|
| Suri Sub-Division | 2542 | 2056 | 80.88 |
| Bolpur Sub-Division | 2152 | 1952 | 90.70 |
| Rampurhat Sub-Division | 4979 | 3591 | 72.12 |
| District Total | 9673 | 7599 | 78.55 |

RATHINDRA KRISHI VIGYAN KENDRA (RKVK)

The Rathindra Krishi Vigyan Kendra has organized 15 Online and 26 Offline information, knowledge and skill development training courses involving 1361 numbers of practicing farmers and farm women (as trainees), 03 numbers of long duration knowledge, skill and entrepreneurship development training programmes benefitting 76 numbers of un-employed rural youths of Birbhum District and also 43 numbers of In-Service Refresher Training Courses for 1546 numbers of Grassroot Levels Extension Functionaries of Birbhum District. The Kendra organized two skill and entrepreneurship development training programmes for practicing farmers, farm women and rural youths in collaboration with the Coconut Development Board, Govt. of India and the Indian Council of Agricultural Research (ICAR) – Central Inland Fisheries Research Institute (CIFRI). The Kendra has conducted 6 numbers of On Farm Trials (OFTs) on various technologies, products and services coming out from the National Agricultural Research System (NARS) on agriculture and related sectors for their location specific assessment and validation, involving 71 locations and 491 partner farmers. The Kendra also organized 24 Front Line Demonstrations (FLDs) on already assessed and successful technologies, products and services related with Agriculture and Allied Sectors involving 1480 numbers of farmers in 223.53 hectares of area for proper dissemination of the technologies among the farming community. KVK has also organized 358 numbers of extension programmes like Advisory Services, Diagnostic visits of Farmers to Kendra, Field days, Group discussions, Scientists' Visits to farmers' fields etc. involving 3794 numbers of farmers, farm women and rural youths and 50 numbers of extension personnel. The Scientists of the Kendra have performed as Subject Experts in 08 Radio Broadcasts on various topics useful for the farming

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community in recorded formats. The Kendra has guided two Students [of prestigious Banaras Hindu University (BHU), Varanasi, Uttar Pradesh and Bihar Agricultural University, Sabour, Bhagalpur, Bihar] of B. Sc. (Agriculture) Honours of the Seventh Semester on Rural Agricultural Work Experience (RAWEX). The Kendra has been organizing Two Diploma Courses (of Two Semesters duration) on Diploma in Agricultural Extension Services for Input Dealers (DAESI) in collaboration with the National Institute of Agricultural Extension Management (MANAGE), Govt. of India. During this period, RKVK has established District Agrometeorological Unit (DAMU) for real time recording and dissemination of Agro-Weather Data and Advisory to the farming community of the Birbhum District. One KVK trainee-farmer has received Krishak Ratna Award from Dept. of Agriculture, Govt. of West Bengal.

DEPARTMENT OF AGRICULTURAL ECONOMICS

Introduction and Departmental details

Department of Agricultural Economics, Palli Siksha Bhavana, Visva-Bharati has been functioning as an independent department since 2 June, 2019 by restructuring the erstwhile Department of Agricultural Economics and Agricultural Statistics. The discipline of Agricultural Economics was a part of the erstwhile composite Department of Agricultural Economics and Agricultural Statistics for the period from September, 2017 to May, 2019 and Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (before September, 2017). The Department is engaged in applied, policy, and problem-solving research in agriculture and allied sectors covering various thematic areas like market, trade, finance, agri-business, livelihood, natural resource, institutions, growth and development. Based on the relative importance of the issues in agriculture, the Department has been engaged in continuously shifting its focus on these issues. Different research projects were carried out, covering areas like production economics, agricultural marketing, agricultural finance, agricultural growth and development.

The Department has a mandate to carryout teaching and research in socio-economic issues concerning agriculture and rural development. Accordingly, the Department has tailored teaching and research programmes to meet the challenges of post-economic liberalization era. The Department offers several compulsory core courses as well as advance elective and minor courses both at Undergraduate and Postgraduate levels. This Department has been playing very vital role in enlightening the policy makers in the emerging areas of international trade and evaluation of public policies and programmes in agricultural sector. The Department of Agricultural Economics has five sanctioned teaching posts with multi-fields of specialization. The department also has a Computer Laboratory.

National and International standard Conference/Seminar/Workshop/ Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

| Sl. No. | Name of the Conference/ Seminar/ Workshop | Period | Venue | Participants |
|------------------------|---|------------|--|--------------|
| Debashis Sarkar | | | | |
| 1. | Webinar on New Farm Act, 2020 | 29.10.2020 | ICAR-ATARI, Kolkata (via virtual mode) | Key Speaker |
| 2. | Global Conference on the Topic | 12-13, | T. B. College, | Chairman of |

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| Sl. No. | Name of the Conference/ Seminar/ Workshop | Period | Venue | Participants |
|-----------------|--|---------------------|--|----------------------------------|
| | “Emerging Agricultural Research to Endure the Predicament of COVID-19 Pandemic” | December, 2020 | Raniganj, Kazi Nazrul Univ., West Bengal | the Conference |
| B.C. Roy | | | | |
| 1. | 28 th Annual Conference of Agricultural Economics Research Association (AERA) | 16-18 December 2020 | UAS, Bangalore (via virtual mode) | Co-chaired the Technical Session |
| 2. | Webinar on Agro-Economic Research Centres | 8 December 2020 | New Delhi (via virtual mode) | Presentation on AERC studies |

Ongoing Research Projects in the Department :

| Sl. No. | Name of the Project Co-ordinator/ team Leaders | Name of the Project | Sponsoring Agency | Amount Sanctioned (Rs.) |
|---------|--|--|---|-------------------------|
| 1. | Prof. B. C. Roy | Impact evaluation study on Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in Sikkim. | | |
| 2. | Prof. B. C. Roy Dr. B. Mondal | Assessment of feed and fodder in West Bengal | Ministry of Agriculture and Farmers' Welfare, Government of India | Rs.233.00 lakh |
| 3. | Prof. B. C. Roy | Village Survey Study in West Bengal | | |
| 4. | Prof. B. C. Roy | Assessment of ratio of different products/forms of Spices being marketed: Study based on Ginger and Turmeric in Sikkim | | |

5. Prof. B. C. Roy Agricultural Performance
Indicators for NITI Ayog

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

The department is involved in transfer of technologies (TOT) from its inception. Apart from these, NSS activities are organized by NSS unit of the Bhavana and participated by all the staff of the department. Besides organizing departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The faculty members of the Department also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1) and Doordarshan Broadcasting Programme as follow:

| Name of the Faculty | Date | Name of the outreach & extension programme | Organised By |
|----------------------------|-------------|--|---|
| Prof. D. Sarkar | 28.05.2020 | Take part in discussion on Krishi Sarsya Bima O Atmanirbhar Bharat | Doordarshan, Santiniketan |
| Prof. B.C. Roy | 02.05.2020 | Expert in live-phone in programme on “Central Government Schemes and Initiatives for the Welfare of Farmers” | Kisan Vani, Prasar Bharati, All India Radio, Santiniketan |
| Prof. B.C. Roy | 18.08.2020 | Expert in live-phone in programme on “Pradhan Mantri Garib Kalyan Yojana’ | Kisan Vani, Prasar Bharati, All India Radio, Santiniketan |

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| Name of the Faculty | Date | Name of the outreach & extension programme | Organised By |
|---------------------|------------|---|---|
| Prof. B. C. Roy | 25.09.2020 | Jute Economy in India- Issues & Challenges, (State Level Officers Training under National Food Security Mission, West Bengal; | Krishi-Bhavana, Berhampur, Murshidabad. |
| Prof. B. C. Roy | 31.12.2020 | Doubling Farm Income: Myth and Realities, (State Level Officers Training under National Food Security Mission, West Bengal | Office of the SDA, Bolpur. |
| Prof. B. C. Roy | 03.02.2020 | Marketing & Trade in Potato with special reference to Potato Export Zones in West Bengal | State level training meeting, Bolpur. |
| Prof. B. C. Roy | 10.02.2020 | Rabindranather Krishi Bhavna o Sriniketaner Tatparya, as Acharya in the Weekly Mandir | Visva-Bharati, Santiniketan |

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Debashis Sarkar

- President, Agricultural Economics and Social Science Research Association, New Delhi
- Editor-in-Chief, Economic Affairs, New Delhi
- Editor-in-Chief, International Journal of Social Science, New Delhi
- Associate Editor, SJAVS, Assam
- Editorial Board Member and Reviewer, Journal of Social Science Studies, USA
- Advisor, Institute for Motivating Self Employment (IMSE), Kolkata
- Life Member, Indian Society of Agricultural Economics, Mumbai
- Life Member, Agricultural Economics Research Association, New Delhi
- External Member, Board of Studies, Agribusiness Management & Food Technology, North Eastern Hill University (NEHU), Shillong, Meghalaya

Bidhan Chandra Roy

- Hony. Director, Agro-Economic Research Centre, Visva-Bharati (MoA & FW, GoI)
- Editor, International Journal of Social Science, New Delhi
- Member, Editorial Board, Amity Journal of Agri-Business Management
- Referee for 8 Journals (3 International & 5 National)
- Life Member, Indian Society of Agricultural Economics, Mumbai
- Life Member, Agricultural Economics Research Association, New Delhi
- External Member, Board of Studies, Department of Agricultural Economics, Institute of Agricultural Sciences, Benaras Hindu University, Varanasi
- External member, Board of Studies, Department of Agricultural Economics, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia
- Expert Member, National Institute of Agricultural Economics and Policy Research, ICAR, New Delhi

Bitan Mondal

- Editor, Economic Affairs, New Delhi
- Member, Indian Society of Agricultural Economics, Mumbai
- Member, Agricultural Economics Research Association, New Delhi
- Life Member and Member of the Editorial Board, International Journal of Bio-resource and Stress Management
- Life member of Society of Bio-resource, Environment and Agricultural Research

Arti

- Awarded with Doctor of Philosophy from National Dairy Research Institute, Karnal on 22nd December, 2020.
- Third Prize in Institute level online Hindi Research paper Poster Presentation Competition held on 25/09/2020 on Topic “Web Based Decision Support system for generation of Techno-Economic feasibility report of Crossbred Commercial Dairy Farms.
- Third Prize in Institute level online Hindi Research paper Poster Presentation Competition held on 25/09/2020 on Topic “Consumption Pattern of Probiotic Dairy Products in Delhi”.
- Life Member, Agricultural Economics Research Association, New Delhi

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Publications :

Research Papers in Journal

Debashis Sarkar

- Giri, D.; Roy, B. C.; Sarkar, D. And Das, S. (2020). Constraints of Bio-based Farming System: A Study in Hooghly and South 24 Parganas Districts of South West Bengal, *Innovative Farming*, www. Innovativefarming.in, 5(2):103-109.
- Mondal, Bitan & Sarkar, Debashis. (2020). Food Consumption Expenditure in Farm Households: Evidence from West Bengal and Jharkhand. *Social Work Chronicle*. 09. 26-38.

Bidhan Chandra Roy

- Giri, D.; Roy, B. C.; Sarkar, D. And Das, S. (2020). Constraints of Bio-based Farming System: A Study in Hooghly and South 24 Parganas Districts of South West Bengal, *Innovative Farming*, www. Innovative farming.in, 5(2):103-109.
- Jai Prakash and B. C. Roy (2020). Growth and Instability in Wheat Production: A Temporal Analysis in Santal Region of Jharkhand. *Agro-Economist-An International Journal*, AAEBM, 7(1): 25-29 (ISSN: 2350-0786 and 2394-8159).

Bitan Mondal

- Mondal, Bitan & Sarkar, Debashis. (2020). Food Consumption Expenditure in Farm Households: Evidence from West Bengal and Jharkhand. *Social Work Chronicle*. 09. 26-38.
- Roy, B.C., Mondal, B., Ojha, S., Biswas, R.K., and Dutta, V. (2020). Performance Evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in West Bengal. *Agricultural Situation in India*, LXXVI(10), 47-49.
- Roy, B. C.; Mondal, B.; Majumder, D.; Biswas, R. K. and A. Roy(2020). Assessment of Livestock Feed and Fodder in the State of West Bengal; Study No.-191, Agro-Economic Research Centre (For the States of West Bengal, Sikkim and Andaman & Nicobar Islands), Visva-Bharati, Santiniketan, West Bengal, pp.-xi+94

Arti

- Arti, Rai, C. K. and Chauhan, A. K. (2020). Zero Budget Natural Farming: Old wine in New Bottle? *Gene Tech Books Editor, Organic Farming*, 227-234. ISBN- 978-81-7622.
- Chauhan, A.K. and Arti (2020). Marketing of Livestock and their Products. *Compendium Refresher Training Programme on “Management of Modern Dairies” for*

Established Agripreneurs under Agri.-Clinics and Agri-Business Centres [AC&ABC] Scheme of MANAGE, Hyderabad, Sponsored by National Institute of Agricultural Extension Management (MANAGE), Hyderabad. 7-14.

Monographs

Bidhan Chandra Roy

- Roy, B. C.; Mondal, B.; Majumder, D.; Biswas, R. K. and A. Roy (2020). Assessment of Livestock Feed and Fodder in the State of West Bengal; Study No.-191, Agro-Economic Research Centre (For the States of West Bengal, Sikkim and Andaman & Nicobar Islands), Visva-Bharati, Santiniketan, West Bengal, pp.-xi+94.

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

The department already initiated steps (approved by the BOS, Dept. of Agricultural Economics) and placed in the Institute Board a proposal to offer Two Years Master Degree programme in the subject of Agricultural Economics.

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

Efforts are being taken to modernise the Computer Laboratory of the department with modern equipment and software. Effort will be made to develop one seminar hall of the department in the near future.

Any other relevant information

The department was able to maintain its records of high performance in teaching, research and extension activities, despite severe constraints faced in terms of space, budget, infrastructure and availability of non-teaching staff. During the year, four Ph. D students have submitted their thesis and have been awarded Degree. This year, the faculty members of the department guided the final year UG students of the Bhavana and conducted special classes on a regular basis exclusively for the purpose of ICAR-JRF in Social Science that led to near 100% success in the national level tests like ICAR-JRF. Like previous years, this year also the department has organised several field visits and training programmes for farmers and extension personnel (both on campus and off campus). The department performed extremely well in externally sponsored projects, publications, extension activities and policy linkages with other departments and institutions.

DEPARTMENT OF AGRICULTURAL ENGINEERING

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

- National Webinar on “Modern Agricultural Technology: A Step Towards Rural Self-Reliance” during 12-14 June 2020.

National and International standard Conference /Seminar /Workshop /Symposium /Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

- 06.03.2021-07.03.2021. P. Kandasamy presented a paper in the 36th National Convention of Chemical Engineers & National Conference on "Frontier Technologies for 21st Centuries Process Industries" Jointly Organized by The Institution of Engineers (India) Durgapur Local Centre and Department of Chemical Engineering, National Institute of Technology, Durgapur, West Bengal. Title of presentation: Influence of chemical pretreatments and drying temperature on quality of green mango powder"

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

- P. Kandasamy, participated in the 6-Days online short term training programme on Changing Paradigms on Food Security and Food Sufficiency Organized by College of Food and Dairy Technology, Tamil Nadu Veterinary and Animal Sciences University, Chennai-600052, Tamil Nadu from 14.12.2020 to 19.12.2020.
- P. Kandasamy, participated in the IEI Centenary Technical Webinar on the theme of Cyber Security: A Critical Skill to Protect Your Business organized by under the aegis of Computer Engineering Division, West Bengal state centre of The Institution of Engineers (India) on 21.08.2020.
- P. Kandasamy, participated in the IEI Centenary Technical Webinar on the theme of Waste Water Treatment for Sustainable Development organized by under the aegis of Chemical Engineering Division, West Bengal state centre of The Institution of Engineers (India) on 14.08.2020.
- Lamneithem Hangshing, participated in the 3-Months course on Advanced GIS Training Program held at the GIS and Remote Sensing Institute, Guwahati, Assam from 01.12.2020 to 28.02.2021.

- Lamneithem Hangshing, participated in the Faculty Induction Program (online mode) held at the UGC-HRDC, North Eastern Hill University, Shillong, Maghalaya from 11.03.2021 to 10.04.2021.
- Nileshwari Yewle Participated in the sessions of VBLN-WEBINAR organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan during 02-12 May 2020.
- Nileshwari Yewle Participated in the webinar organized by the Faculty of Science, Annamalai University in collaboration with ELSEVIER on “Basic Author Workshop Research Article Writing & Reference Management Using Mendeley” on 22nd June 2020.
- Nileshwari Yewle Participated in the One Day Brainstorming e-Workshop on “Student Entrepreneurship in Current Scenario of Agricultural Education” held on July 20, 2020 at Department of Unconventional Energy Sources and Electrical Engineering, Dr. Panjabrao Deshmukh Krishi Vidyapeeth Akola, (M.S) India.
- Aman Kumar, Participated in the Webinar on “Sample size determination in medical and biological sciences” Organized by the Department of Statistics, Pachhunga University College, Mizoram University on 27th July, 2020.
- Aman Kumar, participated in the Webinar on “Intellectual property rights” Organized by the Central Library, Visva-Bharati, Santiniketan on 21st September, 2020.
- Abhinab Mishra, participated in the National Webinar on Modern Agricultural Technology: A step towards rural self-reliance organized by the Institute of Agriculture during 12-14 June, 2020.
- Abhinab Mishra, participated in online course on Application of Geoinformatics in Ecological Studies organized by IIRS-ISRO, Dehradun during 13-24 July 2020.

Publications:

(i) Text books

- Kandasamy, P. (2020). Practical Book of Agricultural Engineering. New India Publishing Agency, New Delhi, India. ISBN: 9788194766803.
- Swain, K.C. (2020). A Text Book on Precision Agriculture Technology, New Delhi Publishers, pp.161. ISBN: 978-93-88879-57-6

(ii) Research Papers/Chapters in Anthologies

- Kandasamy, P. 2020. Solar drying technology for food preservation. In: Sengupta et al. (Eds) Annual Technical Volume on Recent Development in Food Processing Industry.

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Chemical Engineering Division Board, The Institution of Engineers (India), Kolkata. Volume 3, Page No. 81-89. ISBN: 978-81-945201-3-9.

- Biswas, O., Kandasamy, P. and Sarkar, P. (2020). Effect of cooling in a fabricated solar cooler on histology of Pangasius (*Pangasianodon hypothalamus*) muscle. *Indian Journal of Animal Health*, 59(1): 73-77. DOI: 10.36062/ijah.59.1.2020.73-77. ISSN: 0019-5057.
- Biswas, S., Biswas, O., Kandasamy, P., Patnaik, S. and Das, P.K. (2020) Effect of feed additives on the gut microbiota vis-a-vis growth, production and carcass quality of food animals. *Indian Journal of Animal Health*. 59(2)-Spl: 156-163. DOI: 10.36062/ijah.59.2SPL.2020.156-163. ISSN: 0019-5057.
- Dabral, P.P. and Hangshing, L. (2020). Development of additive form of time series models for rainfall. *Indian Journal of Soil Conservation*, 48(2):149-158. ISSN: 0970-3349
- Swain, K. C. Singha, C. and (2020). Flood susceptibility mapping through GIS-AHP technique using the cloud. *ISPRS International Journal of Geo-Information*.9(12):720. ISSN 2220-9964
- Swain, S. K. Swain, K. C. and Singha, C.(2020). Forest cover change mapping using harmonic-land trendr models in google earth engine, *Sylwan*,164(8):472ISSN-0039-7660
- Singha, C. and Swain, K. C. (2020). Land suitability analysis for lentil crop in west bengal, India, *Agricultural Science Digest*, 40:343-349, ISSN: 0976-0547
- Singha, C., Swain, K.C. and Swain, S.K. (2020). Best crop rotation selection with GIS-AHP technique using soil nutrient variability. *Agriculture*, 10: 213. ISSN 2077-0472
- Swain, K.C. and Singha, C. (2020). Low-cost technology for COVID-19 infection detection through smell loss test: An overview, *Tropical Biomedicine*, 37(3): 671–682. e-ISSN: 2521-9855.
- Sahoo, B. and Swain, K.C. (2020). Micro, small and medium enterprises (MSMEs) in India: the engine of growth. *International Journal of Social Science*, 9(1): 31-43. ISSN: 2249-6637
- Swain, K.C., Mishra, A. and Biswal, R. (2021). Disinfectants and sprayers for prevention of COVID-19 pandemic in India. *European Journal of Molecular & Clinical Medicine*, 8(3):899-912. ISSN: 2515-8260

(iii) Number of paper published in Peer/reviewed journals: 12

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 Secondary Agriculture, Introductory Soil and Water Conservation Engineering, Renewable Energy and Green Technology, Principles of Food Science and Nutrition, Waste Management, RS and GIS in NRM and Land use planning at undergraduate level for Agricultural Sciences. The Department offers Ph.D degree programme in Agricultural Engineering disciplines. Currently, there are eight students studying Ph.D. The research areas are food process engineering and technology, solar energy for food processing, drying, controlled atmosphere and hermetic storage, precision agriculture application, and climate change impact on forest biomass, runoff modeling, sprayers, soil and conservation engineering.

Any other relevant information

Faculties in the department, Dr. P. Kandasamy, promoted to Associate Professor (Stage-4) from Assistant Professor (Stage-3) and Dr. Kishore Chandra Swain, promoted to Assistant Professor (Stage-3) from Assistant Professor (Stage-2) under Career Advancement Scheme (CAS). Dr. Lamneithem Hangshing has joined as Assistant Professor (Stage-1) on 19.12.2020. A research scholar, Nileshwari Yewle has received the SERB overseas doctoral visiting fellowship-2020 for doing part of her PhD research work at the Department of Entomology, Purdue University, USA.

DEPARTMENT OF AGRICULTURAL ENTOMOLOGY

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Swarnali Bhattacharya

- **National Web Workshop** - Attended a three days web workshop cum training on Edible insects on the topic “Edible insects and non-conventional foods as a nutrient pack and livelihood security” organized by the College of Horticulture and Forestry, Central Agricultural University (Imphal), Pasighat, Arunachal Pradesh held from 27th to 29th January, 2021.
- **National Web Workshop** - Attended one day Technical Webinar on FAW IPM for eastern India held on 09th October, 2020.
- **National Web Workshop** - Attended a three days national Webinar on “Modern Agricultural Technology: A Step Towards Rural Self-Reliance” organized by Institute of Agriculture, Visva-Bharati, Sriniketan – 731236 held from 12th – 14th June, 2020.
- **Short course** - Attended ten days National level online training on “Recent advances in Entomology – New dimensions to invigorate the insect-pest management” organized by Department of Entomology, College of Horticulture, Bidar, Karnataka, India from 7th - 18th December, 2020.

Swarnali Bhattacharya

| Sl. No. | Name of the Project Co-ordinator/ team Leaders | Name of the Project | Sponsoring Agency | Amount Sanctioned (Rs.) |
|---------|--|---|---|-------------------------|
| 1 | Dr. Swarnali Bhattacharya | Evaluation of Spinosad against important insect-pests of seven crops in West Bengal | Tephra Bioscience LLP, Rohini, Delhi-110085 | 10,73,800.00 |
| 2 | Dr. Swarnali Bhattacharya | Evaluation of Abamectin against important insect-pests of three crops in W.B. | Tephra Bioscience LLP, Rohini, Delhi-110085 | 4,60,200.00 |

| | | | | |
|---|------------------------------|---|--|--------------|
| 3 | Dr. Swarnali Bhattacharya | Evaluation of Bioefficacy and phytotoxicity of three new generation molecules against important insect- pests infesting chilli, grapes, Tomato and Bengal gram in West Bengal | M/S Shreeji Ag Chem Private Limited, Vadodara, Gujarat - 391775 | 10,73,800.00 |
|---|------------------------------|---|--|--------------|

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

The department is involved in transfer of technologies (TOT) from its inception. Apart from this department organizes departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The faculty members of the Department also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1). Moreover, the students of this 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 the farmers. Diagnostics and advisory services towards sustainable pest management are also extended to the 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. Beside that the faculties are actively involved in Swatchata Abhiyan, Tree Plantation, Gandhi Punyaha, Magh Mela, Halokarshon, Blood donation camp organized by NSS.

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)

Hirak Chatterjee

- Appointed as Adjunct Faculty at *Uttar Banga Krishi Viswavidyalaya*, Cooch Behar, West Bengal.
- Act as External expert in various selection committee and CAS promotion Board in ICAR & ISI, Kolkata.
- Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 1st March 2017.

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- 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

Palash Mondal

- 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 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.
- External Examiner for Master's thesis evaluation at BCKV, Mohanpur; UBKV, Cooch Behar
- Paper setter of different courses of Entomology for UG level at BCKV, UBKV, JNKVV, PAU
- PG Coordinator of Department of Plant Protection, Visva-Bharati
- Editorial Board member of *International Journal of Bio-resource and Stress Management*
- Editorial Board member of *International Journal of Bio-resource, Environment and Agricultural Sciences*
- Editorial board member of the Journal *Progressive Agricultural Sciences*
- Member of Visva-Bharati staff football tournament

Swarnali Bhattacharya

- Received Certificate for reviewing a manuscript entitled "Feeding preference and reproductive fitness of *Rhizopertha dominica* (Fabricius, 1792) in a choice-based feeding paradigm for the journal "Indian Journal of Science and Technology".

- Life member and Editorial board member of several reputed national and international journals.

Publications:

Research journals

Palash Mondal

- Sitesh Chatterjee and **Palash Mondal**. 2020. “Impact of Nitrogen and Potash on the Incidence of *Scirpophaga incertulas* and *Cnaphalocrocis medinalis* and Yield of Rice”. *International Journal of Bio-resource and Stress Management*, 11(5):482-487. Print ISSN 0976-3988, Online 0976-4038.
- Biplab Kahar and **Palash Mondal**. 2020. “Influence of ecological parameters on the incidence aphid population in different potato (*Solanum tuberosum* L.) cultivars”, *Annals of Plant and Soil Research*, 22(4): 405-409. ISSN: 2347-6036, ISSN-L: 0972-1959.
- Sabita Nath, Bholanath Mondal and **Palash Mondal**. 2020. “A Study on the Knowledge Level and Extent of Adoption of Plant Protection Measures against Blast Disease of Rice by the Farmers of Indian Sundarbans”, *Annual Research & Review in Biology* (Previous name: Annual Review & Research in Biology, ISSN: 2231-4776), 35(12): 84-97. ISSN: 2347-565X.
- Bipod Taran Pandit, **Palash Mondal**, Sandip Mondal and Matiyar Rahaman Khan. 2020. “Morphology and morphometric variations in Indian populations of *Meloidogyne graminicola* Golden and Birchfield, 1965”, *Archives of Phytopathology and Plant Protection*, (Formerly known as *Archiv für Pflanzenschutz*), 44 (15): 1-19. ISSN: 0323-5408 (Print), 1477-2906 (Online).
- Chandan Maity, **Palash Mondal** and Laltu Mondal. 2020. “Studies on age specific & female fertility life tables of *Helicoverpa armigera* under controlled condition”. *Journal of Entomology and Zoology Studies*, 8(2): 585-591, e-ISSN: 2320-7078, p-ISSN: 2349-6800.
- Chandan Maity, **Palash Mondal** and Laltu Mondal. 2020. “Bio-efficacy of some entomopathogens as well as newer molecule of insecticides against tomato fruit borer *Helicoverpa armigera* (Hubner)”. *Journal of Entomology and Zoology Studies*, 8(2): 592-595, e-ISSN: 2320-7078, p-ISSN: 2349-6800.
- Bimal Mondal, **Palash Mondal** and Manas Patra. 2021. “Abundance of major sucking insect pests on chilli in relation to weather factor and their management with newer

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insecticide molecules during rabi season under red and lateritic zone of West Bengal”, *Journal of Entomology and Zoology Studies*, 9(2): 1294-1301.e-ISSN: 2320-7078, p-ISSN: 2349-6800.

Swarnali Bhattacharya

- Bijaya Kumar Rautaray, **Swarnali Bhattacharya**, BR Pattanaik and SR Dash. 2021. “Field screening of popular rice cultivars against rice leaf folder (*Cnaphalocrosis medinalis* Gunee.) incidence in North Eastern coastal plains of Odisha”, *International Journal of Chemical Studies*, 9 (1): 1115-1120.e-ISSN: 2321-4902, p-ISSN: 2349-8528. DOI - <https://doi.org/10.22271/chemi.2021.v9.i1p.11372>
- BK Rautaray, **S Bhattacharya** and SR Dash. 2020. “Effect of weather parameters on the seasonal incidence of rice leaf folder (*Cnaphalocrosis medinalis* Gunee.)”, *International Journal of Chemical Studies*, 8 (6): 763-766. e-ISSN: 2321-4902, p-ISSN: 2349-8528. DOI - <https://doi.org/10.22271/chemi.2020.v8.i6k.10861>
- Subhajit Pal, **Swarnali Bhattacharya** and Abhijit Debnath. 2020. “Onfarm Bio-purification of Pesticidal rinsate employing Biobed system”. *Agriblossom*. 1 (2) : 3-6
- T. Dhar, **S. Bhattacharya**, P M Bhattacharya and A Ghosh. 2020. “Seed bio-priming and bio-pesticides vis – a - vis *Bemisia tabaci* and *Aphis craccivora* incidence on mung bean”. *Indian Journal of Entomology*. 82 (1) : 92-98.

Book/Book chapter

Palash Mondal

- Bholanath Mondal, Chandan Kumar Mondal and **Palash Mondal**. 2020. *Stresses of Cucurbits: Current Status and Management*, Springer Nature, Singapore. P297. ISBN (Hard Cover): 978-981-15-7890-8, eBook ISBN : 978-981-15-7891-5.

Swarnali Bhattacharya

- Subhajit Pal, **Swarnali Bhattacharya** and Digvijay Singh 2021. “*Locust outbreak: An Impending Challenge in Recent Agriculture*” has been accepted as a book chapter in the edited book with title “Modern Agricultural Technology: A Step Towards Rural Self-Reliance”.

DEPARTMENT OF AGRICULTURAL EXTENSION

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: 05
National and International standard Conference /Seminar /Workshop / Exhibition etc.
Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

- a) Prof. Souvik Ghosh presented one of the invited papers on ‘*Agricultural Development in Coastal Regions: Socio-economic, Gender and Policy Issues*’ in International Symposium on Coastal Agriculture: Transforming Coastal Zone for Sustainable Food and Income Security, organised by Indian Society of Coastal Agricultural Research (ISCAR) as ISCAR Webinar during 16 to 19 March 2021.
- b) Prof. Souvik Ghosh acted as Session Co-Chairperson in Technical Session III of International Extension Education Conference on Role of NGOs in Extension Services: Opportunities and Challenges, organised by Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi as Webinar on 28th December 2020.
- c) Prof. Souvik Ghosh acted as Session Co-Chairperson in Theme VI, Technical Session I on Technology Impact on Socio-economy in International Symposium on Coastal Agriculture: Transforming Coastal Zone for Sustainable Food and Income Security, organised by Indian Society of Coastal Agricultural Research (ISCAR) as ISCAR Webinar on 18th March 2021.
- d) Dr Darshan N P participated in Online training program on Personality development, effective communication skills & stress management organized by Centre for Advanced Agricultural Science & Technology (CAAST) for Climate Smart Agriculture & Water Management (CSAWM), MPKV Rahuri under NAHEP of ICAR New Delhi during 14-18 April 2020.
- e) Dr Darshan N P participated in international webinar series on emerging trends in extension and social sciences research jointly organized by MTTC&VTC, College of Fisheries, CAU Imphal, ICAR-NAARM, Hyderabad & ICAR_CTCRI, Kerala, India during 10-16 June 2020.
- f) Dr Darshan N P participated in National Webinar on Immuno-nutrition, wellness management & livelihood change organised by aicrp on women in agriculture, Assam Agricultural University, Jorhat in association with ICAR-CIWA, Bhubaneswar on July 03-05, 2020
- g) Dr Darshan N P gave oral presentation on the “Gender issues in agriculture – suggestions to achieve gender equality in agriculture” in National workshop on gender

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issues and Atmanirbhar Bharat organised by Central Agricultural University, Imphal during October 15 to 17, 2020 and awarded best presentation.

- h) Dr Darshan N P gave oral presentation on the “Access and usage of ICTs for agriculture and rural development – A critical analysis in National conference on sustainable agriculture and farmers’ welfare for rural development sponsored by NABARD in March 2021.
- i) Dr Darshan N P has completed four week induction/orientation program for faculty in universities/colleges/institutes of higher education organised by Teaching learning centre, Ramanujan College, University of Delhi under the aegis of Ministry of education, Pandit Madan Mohan Malaviya national mission on teachers and teaching from Feb 11 to march 13, 2021.
- j) Ghosh S. and Darshan N. P. 2021. Agricultural Development in Coastal Regions: Socio-Economic, Gender and Policy Issues. Souvenir, International Symposium on Coastal Agriculture: Transforming Coastal Zone for Sustainable Food and Income Security, 16 - 19 March, 2021. Indian Society of Coastal Agricultural Research, ICAR-Central Soil Salinity Research Institute, Regional Research Station, Canning Town - 743 329, West Bengal, India. Pp 98-105

Publications:

i) Text books

- a. “Fundamentals of Extension Education” (ISBN No. 978-93-88821-64-5), Prof. Sarthak Chowdhury and Dr. Prabuddha Ray, 2020, Rama Publishing House, Meerut, Uttar Pradesh, 252 p.
- b. “Agricultural Extension System” (ISBN No. 978-93-90709-91-5), Sarthak Chowdhury and Debabrata Mondal, 2021, CBS Publishers & Distributors Pvt. Ltd, New Delhi, 160 p.

ii) Other Books

- a) Ray, P. and Chowdhury, S. (2020). *Organic Agriculture: Myths, Realities and Beyond*, Chapter – 12, In: Saha, T., Managanvi, K. and Chandran, N. (Eds.), *Eco-Friendly Pest Management Strategies for Major Vegetable Crops [ISBN No. 978-81-943776-6-5]*, AGROBIOS (INDIA), Jodhpur, 2020, pp. 211 – 243.
- b) Tripura, Binoy and Ghosh, Souvik. (2020). *Growing Potato through True Potato Seed (TPS): Levels and Dynamics of Adoption*. New Delhi Publishers, New Delhi, P. 203 (ISBN 978-93-88879-67-5).
- c) Lokesh Babu S and Darshan N P., 2021. Agripreneurship-Partnership- Meaning, scope, and public private partnership- process and enabling frameworks. Recent trends in multidisciplinary research and development (Volume-8) (ISBN 978-3-96492-261-8)

- d) Saravanan, R., Ashwini, D. and Darshan, N.P., 2020. Agricultural Extension and Advisory Services: Serving Farming Community by Agripreneurship Amid COVID-19. Working Paper 4, MANAGE Centre for Agricultural Extension Innovations, Reforms and Agripreneurship, National Institute of Agricultural Extension Management (MANAGE), Rajendranagar, Hyderabad. Published on 20.12.2020

Monographs

Research Papers.(Author(s), title of Paper, year Journal volume No., Pages),

S.D Mukhopadhyay

- Patra, S.K, Mukhopadhyay, S.D, Raj, R.K and Mishra, J.R(2020). Perceived Use of Computer in Extension Activities by the Extension Officials. *Indian Journal of Extension Education*. 56 (3) 83-87.
- Patra, S.K, Mukhopadhyay, S.D & Raj, R.K (2020). Computer Based Extension System and Competency of the Extension Professionals- A Study in Odisha. *International Journal of Current Microbiology*. 9 (8).
- Karak Sabyasachi and Mukhopadhyay Siddhartha Dev (2020). Study of Type and Extent of Training Received by KVK Trainees, *Current Journal of Applied Science and Technology*, 39(46): 88-101.
- Pinkey Kumari, Mukhopdhyay S.D. and Raj R.K., Knowledge, Skill and Extent of Computer Use by the Fishermen of Odisha, *International Journal of Microbiology Research*. 12 (8): 1898-1901.
- Suprava Sethy and Siddhartha D. Mukhopadhyay (2020). Use of ICTs by Farmers: A study in Odisha. *Asian Journal of Agricultural Extension, Economics and Sociology*. 38 (5): 74-86.

Sarthak Chowdhury

- Das, G. and Chowdhury, S. (2021). Role of Farm Science Centre on Agricultural Information Networks Output among the Farm Women of North Bengal, *Journal of Plant Development Sciences* [ISSN No. 0974-6382], Vol. 13, No. 1, pp. 37 - 40.

Souvik Ghosh

- Das, Usha, and Ghosh, Souvik (2020). Factors driving farmers' knowledge on climate change in a climatically vulnerable state of India. *Natural Hazards (Springer)*, 102: 1419-1434.
- Das, Usha, Ghosh, Souvik and Mondal, Bitan (2020). Resilience of Agriculture in a Climatically Vulnerable State of India. *Theoretical and Applied Climatology (Springer)*, 139: 1513-1529.

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- Mohanty, S., Ghosh, Souvik, Mandal, K.G., Rautray, S.K., Mohanty, R.K., Behera, B. and Ambast, S.K. (2020). Development and harnessing of water resources for livelihood improvement of smallholder farmers in Eastern India. *Indian Journal of Soil Conservation*, 48 (1): 35-40.
- Praharaj, S. and Ghosh, Souvik. (2020). Sustainable Crop Production. *Kurukshetra*, 68 (9): 49-54.
- Ghosh, Souvik. and Das, U. (2020). Participatory Irrigation Management. *Kurukshetra*, 68 (6): 40-45.

Anindita Saha

- Gupta, R. K., Saha, A., Tiwari, P. K., Dhakre, D. S., & Gupta, A. (2020). Attitudes of tribal dairy farmers towards dairy entrepreneurship in Balrampur district of Chhattisgarh: A principal component analysis. *Indian Journal of Extension Education*, 56(1), 59-63. NAAS Score – 5.32
- Gupta, R. K., Saha, A., Tiwari, P. K., Dhakre, D. S., & Gupta, A. (2019). Entrepreneurial Behaviour of Tribal Dairy Farmers in Balrampur District of Northern Hill Region of Chhattisgarh. *Indian Journal of Extension Education*, 55(4), 25-30. NAAS Score – 5.32
- Gupta, R. K., Saha, A., Tiwari, P. K., & Gupta, A. (2020). Correlates of the Attitudes of Tribal Dairy Farmers towards Dairy Entrepreneurship in Balrampur District of Northern Hill Region, Chhattisgarh. *Journal of Community Mobilization and Sustainable Development* Vol. 15(2), 425-430. NAAS Score – 5.3
- Gupta, A., Saha, A., Gupta, R. K., & Dhakre, D. S. (2020). Perceived Constraints on Participation of Rural Women in Decision-Making Process: Insights from Dairy Farming in Surguja District of Chhattisgarh. *Current Journal of Applied Science and Technology*, Vol. 39(20), 23-29. NAAS Score – 5.32
- Gupta, A., Saha, A., Gupta, R. K., Chakraborty, S., & Dhakre, D. S. (2020). Socio-Economic Status of Rural Women Dairy Farmers in Surguja District of Chhattisgarh. *Bulletin of Environment, Pharmacology and Life Sciences* 9(4), 112-116. NAAS Score – 4.95
- Paine, A. K., Anindita, S., Dhakre, D. S., & Gupta, R. K. (2020). Perception of vegetable growers towards excessive use of pesticides in Bankura District of West Bengal. *Journal of Research ANGRAU*, 48(1), 53-58. UGC Care listed and NAAS Score – 3.60
- Gupta, A., Saha, A., Gupta, R. K., & Dhakre, D. S. (2020). Participation of Rural Women in Decision Making Process of Dairy Farming in Surguja District of

Chhattisgarh, India. *International Journals of Microbiology And Applied Science*, 9(6), 2982-2988. NAAS Score – 5.38

- Bhattacharjee U., Saha, A., Tiwari, P. K., Dhakre, D. S., & Gupta, R. K.. (2020). Achievement Motivation Organic Farmers of Birbhum District of West Benga. *Indian Journal of Extension Education (ISEE)* Vol. 57(1), 1-5. NAAS Score – 5.3
- Bhattacharjee, U., Saha, A., Tiwari, P. K., Dhakre, D. S., & Gupta, R. K. Adoption Level of Farmers Practicing Organic Farming in Birbhum District of West Bengal. *Indian Research Journal of Extension Education (SEE)* Vol. 21 (1), 8-58. NAAS Score – 4.81
- Paine, A. K., Saha, A., Tiwari, P. K., Dhakre, D. S., & Gupta, R. K. (2020). Perception of Vegetable Growers towards Excessive Use of Chemicals in Bankura District of West Bengal: A Principal Component Analysis. *International Journal of Tropical Agriculture*, Vol. 38 (4), 407-416, NAAS Rating Score – 3.49

Number of paper published in Peer/reviewed journals:

National: 17 and International: 04

A brief history on the development of the Vibhaga concerned with an indication of the plans for development.

Department of Agricultural Extension was created as one of the nine departments of Palli Siksha Bhavana (Institute of Agriculture) in Visva-Bharati on 30th September 2016 from the erstwhile combined Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics. The Department of Agricultural Extension is actively engaged in B.Sc. (Hons.) Agriculture programme and it offers M.Sc. (Ag.) in Agricultural Extension and Ph.D. in Agricultural Extension programmes

Any other relevant information

The Department of Agricultural Extension deals with eight courses for Under Graduate programme of the Bhavana and coordinates Rural Awareness and Work Experience (RAWE) programme. It conducts two-years M. Sc. (Ag.) in Agricultural Extension programme and Ph.D. in Agricultural Extension programme. The Department has 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) which are being offered from academic session 2019-20.

DEPARTMENT OF AGRICULTURAL STATISTICS

National and International standard conference/Seminar/workshop/ Exhibition etc. attended by Teachers/Research scholars in details.

- ‘Critical analysis of data to take right decision’ delivered by Prof. Debasis Bhattacharya in Diagnostic and remedial measures for common errors in application of statistics, 20-21 October, 2020, Department of Agricultural Statistics, Mathematics & Compute Application, Navsari Agricultural University, Gujrat.
- ‘Statistics for Engineers’ delivered by Prof. Debasis Bhattacharya in FDP organized by the Department of Radio Physics and Electronics, Computer Science and Engineering and Information Technology, Calcutta University, 23 September - 3 October 2020.
- ‘Uncovering data with all its uncertainty variability and fallibility’ delivered by Prof. Debasis Bhattacharya in FDP organized by the Department of MBA, Aliah University, 24 November-7 December 2020.

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

Publication :

- a) Research Papers- 10
- b) Number of paper published in peer /reviewed journal -10

Publications

- “A conversation with Francisco J. Samaniego, Statistical Science”, George G. Roussas. Debasis Bhattacharya, Institute of Mathematical Statistics, USA, Vol 35, No. 2 pp. 321-333.
- “Achievement Motivation of Organic Farmers of Birbhum District of West Bengal” ,Udayan Bhattacharjee, Anindita Saha, Pravin Kumar Tiwari, Digvijay Singh Dhakre and Ravi Kumar Gupta ,Indian Journal of Extension Education, 57(1), 38-42 , Indian Journal of Extension Education ,ISSN 0537- 1996
- “Analysis of Field Data Experimental Data Using Statistical Calculator”, D S Dhakre, D Bhattacharya, Advances in Crop Production & Climate Change by New India Publishing Agency, New Delhi, 480-490, ISBN 978-93-90175-49-9

- “Attitudes of Tribal Dairy Farmers Towards Dairy Entrepreneurship in Balrampur District of Chhattisgarh: A Principal Component Analysis” ,Ravi Kumar Gupta, Anindita Saha, Pravin Kumar Tiwari, D S Dhakre and Ankur Gupta, Indian Journal of Extension Education, 56(1), 59-63, ISSN 0537- 1996
- “Effect of zinc priming and aerobic rice cultivar on chlorophyll content, relative water content and water productivity under irrigation regime during summer season in red and lateritic soil of West Bengal” ,S. Mukherjee, K. Pramanik and D. S. Dhakre ,Journal of Crop and Weed, 16(3), 23-31, ISSN 2349 9400.
- “Participation of Rural Women in Decision Making Process of Dairy Farming in Surguja District of Chhattisgarh, India” , Ankur Gupta, Anindita Saha, Ravi Kumar Gupta and D S Dhakre, International Journal of Current Microbiology and Applied Sciences, 9(6), 2319-7706, ISSN 23197692.
- “Perceived Constraints on Participation of Rural Women in Decision-Making Process: Insights from Dairy Farming in Surguja District of Chhattisgarh”,Ankur Gupta, Anindita Saha, Ravi Kumar Gupta and D S Dhakre, Current Journal of Applied Science and Technology, 39(20), 23-29, ISSN 24571024
- “Perception of Vegetable Growers Towards Excessive Use of Chemicals in Bankura District of West Bengal: A Principal Component Analysis” , Arnab Kumar Paine, Anindita Saha, Pravin kumar Tiwari, D S Dhakre and Ravi kumar Gupta , International Journal of Tropical Agricultural ,38(4), 407-416, ISSN 2548755
- “Adoption Level of Farmers Practicing Organic Farming in Birbhum District of West Bengal” ,Udayan Bhattacharjee, Anindita Saha, Pravin Kumar Tiwari, Digvijay Singh Dhakre and Ravi Kumar Gupta, Indian Research Journal of Extension Education,21(1), 12-15 , ISSN 09722181
- “National Education Policy–2020: A Reflection of Rabindranath Tagore’s Educational Philosophy, National Educational Policy 2020 Reflections from Stakeholders”, Editors, Kalpana K. Mahajan, Manoj K. Saxena, Qazi Mazhar Ali and Ravi K. Mahajan, White Falcon Publishing House, ISBN: 978-1-63640-008-2.

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Academic distinction gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc)

Debasis Bhattacharya

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.

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 Members of Global and Stochastic Analysis ISSN 2248-9444
- Associate Editor of the Journal of the Indian Society for Probability and Statistics ISSN: 2277-9620

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

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

Department of Agricultural Statistics is one of the twelve departments of the Institute of Agriculture (Palli-Siksha Bhavana, in short PSB). This Department has been functioning since 2 June 2019, under Visva-Bharati. The Department of Agricultural Statistics is located at the Institute of Agriculture, Sriniketan. The department is offering various courses at UG, PG and Ph. D. levels on subjects like Agricultural Statistics and Data Analysis. The main aim of this department is to promote and conduct different teaching, research and outreach programmes. Mention may be made of the following specific highlighted objectives:

- To teach the courses on Agricultural Statistics at UG, PG and Ph.D. level.
- To pursue research work in the areas of Agricultural Statistics and other related areas.
- To collect data from different experiments and sources for analysing the data, finding feasible 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 applied statistical techniques and tools for which software's are not directly available.

Department is contemplating to open a 2-year M.Sc. programme in Agricultural Statistics and 1-year PG diploma course in Data Science. These programmes will add some new dimensions to the department in particular and to the Institute in general.

Any other relevant information:

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 developed one Practical Manual for post graduate course on Nonparametric Techniques and revised the existing other manuals for the students. Presently 11 students are pursuing Ph.D. in the department. It is worth mentioning that Dr. Digvijay Singh Dhakre, has successfully completed one week training programme at A.K Dasgupta Centre for Planning and Development, Visva-Bharati as a part of the faculty development programme. It is matter of great pleasure to announce that our two Ph D Students of this department Mr. Akhilesh Kumar Gupta and Ms. Chinmayee Patra have joined Orissa **University of Agriculture & Technology** (OUAT), **Bhubaneswar** as Assistant Professor.

DEPARTMENT OF AGRONOMY

**Name of the students qualified in NET Examinations: One [Upasana Sahoo (UGC NET)]
National and International standard Conference/Seminar/Workshop/Exhibition etc.
attended by Teachers/ Research scholars in details**

B.K. Saren

- Organized (as Convener) and attended National Webinar on “Modern Agricultural Technology : A step towards rural Self-Reliance” during 12.06.2020 to 14.06.2020.

B. Duary

- Participated in DSRC Phase II Launch and 2021 Review & Planning Virtual Meeting during 15-16 March, 2021 organised by International Rice Research Institute, Manila, Philippines.

G.C. Malik

- Participated and Presented a paper entitled "Studies on cultivation method and weed management practices in rice (*Oryza sativa*) in the National Webinar on "Agrochemicals for upkeeping environment" organized by the Society for fertilizers and environment in collaboration with Bidhan Chandra Krishi Viswavidyalaya on 27.08.2020.(online mode)

M. Banerjee

- Acted as Assistant Organizing Secretary in the National Webinar on "Modern Agricultural Technology: A step towards Rural Self Reliance" organized by Institute of Agriculture, Visva-Bharati during 12.06.2020-14.06. 2020.
- Participated and Presented a paper entitled "Studies on cultivation method and weed management practices in rice (*Oryza sativa*) in the National Webinar on "Agrochemicals for upkeeping environment" organized by the Society for fertilizers and environment in collaboration with Bidhan Chandra Krishi Viswavidyalaya on 27.08.2020.(online mode)
- Participated and successfully completed 7 days e-National Workshop on "Complementary Methodologies and Tools in Research" from 03.10.2020 - 09.12.2020 organized by A.K. Dasgupta Centre for planning and development, Visva-Bharati.

- Delivered a lecture as special invited speaker and presented a paper entitled "Role of NSS volunteers in disaster management" in One day State level Webinar on "Role of NSS volunteers to disaster risk reduction, relief and livelihood promotion" on 10.12.2020 organized by NSS unit and IQAC, Kandra Radha Kanta Kundu Mahavidyalaya, Purba Bardhaman, 713129, West Bengal, India.(online mode)
- Participated and successfully completed 7 days e-National Workshop on "Planning and development of Massive online Courses" from 10.12.2020 to 16.12.2020 organized by A.K. Dasgupta Centre for planning and development, Visva-Bharati.

Ongoing Research Projects:

| Name of Teacher | Name of the Project | Sponsoring Agencies | Amount Sanctioned |
|--|--|--|--------------------------|
| P.I. Prof. A.K. Barik | | | |
| Co-PI: Prof. B.K.Saren, Dr. S.K. Maity | IFAD(International Fund for Agricultural Development)-ICARDA (International Center for Agricultural Research in the Dry Areas) | IFAD-ICARDA project for South Asia | 12220 USD |
| | IRRI collaborative programme on Improved Crop Management and strengthened Seed Supply System for Drought prone rainfed lowlands in South Asia. | International Rice Research Institute, Manila, Philippines | 12000 USD |
| | IRRI collaborative programme on Direct seeded Rice Consortium under ICAR-IRRI Collaborative Project Window 3 | International Rice Research Institute (IRRI), Manila, Philippines. | 15000 USD |
| Dr. B. Duary | Testing of Hybrids as well as high yielding varieties developed by GMS Agritech Pvt. Ltd. | GMS Agritech Private Limited , Kolkata | Rs. 8.268 Lakh |
| | Bioefficacy of Orthosulfamuron 50% WG on transplanted rice. | Nichino Chemical India Pvt. Limited, Hyderabad | Rs. 3.64 lakh. |
| | Bioefficacy of Orthosulfamuron 0.6% + Pretilachlor 6 % GR on transplanted rice. | Nichino India Pvt. Limited, Hyderabad | Rs. 5.59 lakh. |

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| | “Bio-efficacy study of different agrochemicals in field crops”. | Crystal Crop Protection Pvt.Ltd | 9,20,000/- |
| Dr. G.C. Malik | “Bio+ phytotoxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario” | Svngenta India Ltd | 7,60,000/- |
| | Studies on bio-efficacy, phytotoxicity on Direct Seed Rice (DSR) and carryover and residue effects of GOD-H008 on succeeding crops | Godrej Agrovet Limited | 582920.00 |
| | Study on Bio-Efficacy of Nano P fertilizer in potato | Coromandel International Limited | 138060.00 |
| Dr. K. Pramanik | Bio-efficacy, Phytotoxicity and Residues of Mesotrione 2.27% + Atrazine 22.7% w/w SC on sugarcane and maize crop | M/s Parijat Industries (India) Pvt. Ltd., New Delhi-110048 | 343200.00 |
| | Study on bio-efficacy, phytotoxicity and residue analysis of carfentrazone ethyl 40% DF on direct seeded paddy and wheat, pinoxaden 5.1% EC on wheat, tebuconazole 50% + trifloxystrobin 25% WG on chilli and grapes | Willowood Chemicals Pvt. Ltd | 1418950.00 |
| | Study on bio-efficacy, phytotoxicity and residue analysis of new herbicides and fungicides on field crops, vegetables and fruits | M/S ShreejiAg Chem Private Limited | 4571320.00 |
| Dr. M. Banerjee | “Bio-efficacy Study of Different agrochemicals in field crops.” | HIKAL LTD | 1,68,740/- |
| | “Bio-efficacy Study of Different agrochemicals in field crops.” | Natco Pharma limited | 5,13,000/- |

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

A.K. Barik

- A talk on “Scope and strategies to increase green forage cultivation” broadcasted by AIR, Santiniketan through FM radio “Kishan Bani” on 16.7.2020.

- A talk on “Cultivation of pulses with progressive farmers” broadcasted by AIR, Santiniketan through FM radio “Kishan Bani” on 19.01.2021.
- Acted as resource person in a training programme on “Improved winter pulse production technology” at ADA office, Illambazar block, Birbhum organized by BCKV under a project funded by Agril. Marketing Dept., Govt. of West Bengal on 19.02.2021.
- Acted as resource person in training for SC cluster under SCST programme, organized by Rathindra KVK, PSB, Visva-Bharati on 09.03.2021 on the topic “Production technology of Azolla and its use.”

B.K. Saren

- Recorded Phone-in Programme on ‘Agricultural activities during pandemic situation of Covid- 19’ (in Santali) in All India Radio Kolkata, recorded 30.04.2020 and broadcasted on 12.05.2020.
- Participated and delivered an invited lecture on" Pulse Production Technology” under Sufal Bangla Pulse Project, Agriculture Marketing Department, Govt. of WB and IFAD-ICARDA Pulse project BCKV.at Khatra, Bankura on 30.09.2020 and Malpur, Purulia on 01.10.2020.
- Participated and delivered an invited lecture on" Water Management of Oilseed Crops" in the training meeting of extension workers’ under NFSM (OS & OP) organized by Deputy Director of Agriculture (Admn.), Birbhum held at State Agriculture Farm, Hatzanbazar, Suri, Birbhum on 26.11.2020.
- Participated and delivered an invited lecture in the field day cum training programme on" Improved Winter Pulse Production Technology” under Sufal Bangla Pulse Project entitled Market Driven Production, Processing, Brand Building and Direct Marketing of Varsity Specific Pulses as well as Value added Pulse Products Mobilizing Farmers Cluster for Improvement of Livelihood and Nutritional Security in West Bengal, of BCKV funded by Agriculture Marketing Department, Govt. of West Bengal held at Office of the Assitant Director of Agriculture, Illambazar Block, Birbhum on 19.02.2021.
- Participated and delivered an invited lecture on" Water Management of Oilseed Crops" in the training meeting of Farmers’ under NFSM (OS) organized by Assistant Director of Agriculture (Admn.), Bolpur Block, Birbhum held at Kishak Bazar, Sriniketan, Birbhum on 09.02.2020.

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- Acted as Resource person and Delivered a lecture on “Water use efficiency and appropriate crop.” in the programme of ‘World Water Day’ organized by Rathindra KVK, Visva-Bharati, Sriniketan on 22.03.2021.
- Participated and delivered an invited lecture on " Water Management of Oilseed Crops" in the training meeting of extension workers’ under TRFA (OS) organized by Deputy Director of Agriculture (Admn.), Birbhum held at Farmers Training Hall, by Assistant Director of Agriculture (Admn.) Kishak Bazar, Sriniketan, Birbhum on 26.03.2021.

B. Duary

Radio Progarmme

- Recording and broadcasting a radio talk on “Improved method of cultivation of direct seeded rice by AIR Santiniketan on 07. 07. 2020 (Recording).

Lecture delivered

- Imparted online training and delivered lecture on integrated weed management in *kharif* and post-*kharif* crops including vegetables on 04.8.2020 in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.
- Imparted online training and delivered lecture on Integrated, safe and judicious use of herbicides on 04.8.2020 in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.

S.K. Maity

- Delivered talks for Kissan Vani programme of All India Radio Santiniketan FM.
- Delivered invited lectures for training programmes organized by the Department of Agriculture of Birbhum district.
- Delivered invited lectures at *Mati Utsav* organized by Department of Agriculture of Purba Bardhaman district.

K. Pramanik

- Invited lecture as resource person for the “NFSM (Oil seed) Scheme” organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on “Improved Package and Practices for oil seed” on 10.02.2021.

- Invited lecture as resource person for the “NFSM (Oil seed) Scheme” organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on “Integrated Water Management for Oilseed crops for oil seed” on 12.02.2021.
- Invited lecture on “Dryland Agriculture” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan on 23.02.2021.
- Invited lecture on “Dryland Agriculture” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan on 26.02.2021.
- Invited lecture on “Package and practices of green gram and black gram” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan on 16.03.2021.
- Invited lecture on “Package and practices of green gram and black gram” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan on 19.03.2021.

M. Banerjee

- Participated in a Radio talk on “Pulse cultivation” and telecasted in Kisan Bani Programme.
- Participated in a radio talk on “Sesame cultivation” and telecasted in Kisan Bani Programme.
- Delivered lecture as resource person on "Package and Practices of Wheat cultivation" in Diploma in Agricultural Extension Services for input dealers (DAESI) course organized by Rathindra KVK on 23.02.2021 and 26.02.2021.
- Delivered lecture as resource person on "Package and Practices of Maize cultivation" in Diploma in Agricultural Extension Services for input dealers (DAESI) course organized by Rathindra KVK on 23.03.2021 and 26.03.2021.

N.C. Sarkar

- All India Radio talks on *Cultivation of Sunflower* on 3rd March, 2021
- All India Radio talks Kolkata (Geetanjali) on Cultivation of *Aman Rice (Aman Dhaner Paricharja)* 12.08.2020

Chapter-2

Placement Cell In-charge

- Conducted Tata Rallis Campus interview on 13.12.2020: One UG and One PG student have been selected as Sales Trainee.
- Lecture on Career Counselling by Mr. Sougata Niyogi, Associate Vice President & National Sales Head, Crop Protection Division, Godrej Agrovet Ltd. On 8.08.2020.
- Lecture on Career Counselling & Personality Development by Maharaj Swami Bhaveshananda, Secretary, Ramkrishna Mission Ashram & Administrative Head, Ramkrishna Mission Vivekananda Educational and Research Institute (RKMVERI), IRTDM Faculty Centre, Morabadi, Ranchi, Jharkhand on 13.08.2020, Thursday at 11 am.
- Lecture on Career counselling on skill development by Mr. Nilanjan Sinha, Joint Registrar of Cooperative Society, Western Zone, Govt. of West Bengal on 18.08.2020.

P. Ghosh

Radio Programme

- Recorded Phone-in Programme on 'Use and Importance of Green Manure in Agriculture' translated as 'Krishite sabuj sarer gurutto o byabahaar' broadcasted on 19.05.2020.

Academic Distinctions gained by Teachers/ Scholars of the Department as a whole (Like recognition as D.S.A. or C.A.S etc) :

A.K. Barik

- Adjunct Professor/faculty of UBKV, Pundibari, Coochbehar, West Bengal
- Member of Editorial Board, Indian Society of Agronomy, New Delhi.
- Life member of Indian Society of Agronomy, New Delhi.
- Life member of Indian Society of Forage crops, Hisar. Haryana
- Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore.

B.K. Saren

- HOD, Dept. of Agronomy, PSB.
- Nominated as an External Member of the Ph. D. Advisory Committee in Agronomy, Department of Agronomy, Institute of Agricultural Science, Calcutta University.
- Life member of Indian Society of Agronomy
- Life member of Crop and Weed Science Society
- BOS External member, Dept. of Agronomy, BCKV, Mohanpur, Nadia, W.B.

B. Duary

- Life member of International Weed Science Society
- Life member of Asia Pacific Weed Science Society (APWSS)
- Life member of Indian Society of Agronomy
- Life member of Indian Society of Weed Science
- Life member of Indian Society of Agricultural Sciences
- Life member of Crop and Weed Science Society
- Life member of the Agricultural Society of India, Kolkata.
- Life member of Indian Science Congress Association
- Life member of International Society of Bioresource Environment and Agricultural Sciences
- Joint Secretary of Indian Society of Weed Science (2019-21).

G.C. Malik

- Acting as Deputy Proctor, Visva-Bharati
- Acting as Prof in charge, Security, VB
- Life Member, Indian Society of Agronomy, IARI, New Delhi and many other Professional bodies

K. Pramanik

- Life Member of Indian Society of Agronomy, IARI, New Delhi
- Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha
- Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- Life Member of Indian Society weed science
- Life Member, Society for Bioresource and Stress Management, Kolkata, India
- Serving as a Member of Anti-Ragging Committee, PSB, Visva-Bharati.
- Serving as a Member of Anti-Ragging squads, PSB, Visva-Bharati.
- UG coordinator, Palli Sikaha Bhavana
- Member of Central Admission Committee, Visva-Bharati.
- Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan
- Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

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M. Banerjee

- Acting as Deputy Proctor, Visva-Bharati
- Acting as PG coordinator
- Life Member, Indian Society of Agronomy, IARI, New Delhi
- Member of Internal Complaints Committee for prevention of Sexual Harrassment against women at work place

N.C. Sarkar

- Life Member, Indian Society of Agronomy, IARI, New Delhi
- Life Member, Society for Bioresource and Stress Management, Kolkata, India
- In-charge, Placement Cell, PSB, Visva-Bharati

P. Ghosh

- Life Member of Indian Society of Agronomy, IARI, New Delhi
- Life member of Indian Society of Weed Science
- Life member of Crop and Weed Science Society

Publications:

A.K. Barik

- Barik,A.K.,Bera, Ranjan and Seal, Antara.2020. Farmers' participation in pesticide free paddy production through adoption of green farming model with Inhana Rational Farming Technology-A case study from Birbhum, West Bengal, India. *Asian Journal of Advances in Research* **3** (2): 1-10.
- Das,C., Barik, A.K. and Mondal,K.2020. Effect of zinc application on growth and yield of baby corn (*Zea mays* L.) in lateritic soil of West Bengal. *International Journal of Chemical Studies* **8**(2): 887-890.
- Barik, Arun Kumar. 2021. Pulse cultivation- A venture for food, nutrition and livelihood (Editorial) *International Journal of Bio-resource and stress management* **12**(2): i-ii.

B.K. Saren

- K. Mandal . B.K. Saren . A. K. Ghorai (2020). Effect of different sowing dates and mulching practices on growth, yield and fiber quality of Jute. *Indian Journal of Hill Farming*, 33 (1):48-58.
- Avijit Roy, Antara Choudhury and Binoy Kumar Saren (2020). Performance of sunflower (*Helianthus annus* L.) under different sources and levels of sulphur nutrition. *Environment and Ecology*, 38 (3A):365-368.

- Shravan Kumar Pand, Pritam Panda, Biswjit Pramanick, Tanmay Shankar, Subhashisa Praharaaj, Binoy Kumar Saren, Harun I Gitari, Koushik Bramachari, Akbar Hossain and Sagar Maitra (2020). Advantages of Cotton Based Intercropping System: A Review. *International Journal of Bioresource Science*, 7 (2) : 51-57.

B. Duary

- Mondal, S., B. Duary, B. Mondal and D.Panda (2020). Allelopathic effect of aqueous leaf extract of selected trees on germination and seedling growth of rice. *Journal of Environmental Biology*, 41:255-260. DOI: <https://doi.org/10.22438/jeb/41/2/MRN-1218>; ISSN:0254-8704 (print); 2394-0379 (online).
- Fatima, Ayesha and Duary, B. (2020). Integrated use of herbicide and straw mulch in suppressing the weed species in summer sesame (*Sesamum indicum*). *Indian Journal of Agricultural Science*, 90(11): 2132-7.
- Pratikshya Rani, B. Duary and Sidhartha Priyatam (2020). Effect of tillage and weed management practices on weed control and yield of wheat. *International Journal of Current Microbiology and Applied Sciences*, 9(06): 2328-2335. doi: <https://doi.org/10.20546/ijcmas.2020.906.285>.
- Satapathy, B. S., Duary, B., Saha, S., Munda, S., Singh, T and Chatterjee, D. (2020). Yield and Economics of drum-seeded rice (*Oryza sativa*) as influenced by broad-spectrum herbicides and herbicide mixtures. *Indian Journal of Agronomy*, 65 (1):41-46.
- Dash, Subhaprada and Duary, B. 2020. Tillage and weed management effect on productivity of wheat under dry seeded rice–wheat system on lateritic soils of West Bengal. *Indian Journal of Weed Science*, 52(4): 326-330. DOI: 10.5958/0974-8164.2020.00065.9.
- Mukherjee, A. and Duary, B. (2020). Studies on morphology, growth behaviour and seed production capacity of different species of weedy rice under Red and Lateritic belt of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, 9(9): 2665-2671. doi: <https://doi.org/10.20546/ijcmas.2020.909.332>.
- Dey, J. K., Saren, B. K., Duary, B. and Pramanik, K. (2020). Performance of zero-tillage bio-mulching on different pulses under maize-legume sequence. *Legume Research*, LR-4395 (On line – 15.9.2020).DOI: 10.18805/LR-4395.
- Fatima, Ayesha, Duary, B. and Singh, V. K. (2020). Impact of integrated use of herbicide and mulch on performance of summer sesame (*Sesamum indicum* L.). *Ann. Agric. Res. New Series*, 41(4):398-403.
- Fatima, Ayesha, Duary, B., Singh, V. K. and Kumar, Basant. Effect of integrated use of competitive cultivars, herbicide and mulch on weed dynamics, weed control efficiency,

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weed index and yield of summer sesame (*Sesamum indicum*). *Indian Journal of Agronomy*, **65**(2):238-241.

- Dash, Subhaprada, Duary, B. And Shar, K. (2021). Efficacy of fenoxaprop-p-ethyl and penoxsulam for weed management with special emphasis on *Echinochloa* spp. In transplanted rice. *Indian Journal of Weed Science*, 53 (1): 78-80.

G.C. Malik

- Ajit Roy, Mahua Banerjee and Ganesh Chandra Malik. Cultivation method and weed management practices in rice (*Oryza sativa*). 2020. *Journal of Pharmacognosy and Phytochemistry*, (2020), SP6:440-456. P ISSN: 2349-8234, E ISSN: 2278-4136.
- Tanmoy Shankar, Mahua Banerjee, Ganesh Chandra Malik, Sudarshan Dutta, Debtanu Maiti, Sagar Maitra, Hesham Alharby, Atif Bamagoos, Akbar Hossain, Ismail A. Ismail and Ayman EL Sabagh. The Productivity and nutrient use efficiency of Rice-Rice-Black gram cropping sequence are influenced by location specific nutrient management.2021. *Sustainability* 2021, 13, 3222. P ISSN: 2071-1050.
- Jyotirmoy Mondal, Ganesh Chandra Malik and Mahua Banerjee. Influence of various herbicide mixtures on weed dynamics, growth and yield in wheat (*Triticum aestivum* L.),2020. *Applied Biological Research*, 2020, 22(2): 165-173.ISSN: 0972-0979.
- Gopal Sing Bhuiya, Tanmoy Shankar, Mahua Banerjee, GC Malik. Growth, productivity, nutrient uptake and economics of Hybrid maize (*Zea mays* L.) as influenced by precision nutrient management. 2020. *International Journal of Agriculture, Environment and Biotechnology*. 2020; 13(2):213-218. P ISSN: 1974-1712.
- Amallesh Ghosh, Tanmoy Shankar, GC Malik, Mahua Banerjee and A.Ghosh. Effect of seaweed extracts on the growth, yield and nutrient uptake of black gram (*Vigna mungo* L.) in the red and lateritic belt of West Bengal. 2020. *International Journal of Chemical Studies*, 2020. 8(3):799-802.P-ISSN: 2349-8528, E-ISSN: 2321-4902.
- K.Mondal, G.C.Malik, K.Jana and Mahua Banerjee. Performance of herbicides on weed growth and productivity of dry season transplanted rice. 2020. *Journal of Crop and Weed*, 2020, 16(3):91-96.ISSN-O: 2349-9400; P: 0974- 6315.

S.K. Maity

- S.K. Shukla, Swaha Shee, S.K. Maity, S.K. Awasthi And Asha Gaur (2020). Growth, nutrient accumulation and crop yields as influenced by crop residues recycling and *Trichoderma* inoculation in rice (*Oryza sativa*)–wheat (*Triticum aestivum*) and sugarcane–ratoon–wheat cropping systems in subtropical India. *Indian Journal of Agronomy* 65 (1): 1-9.

K. Pramanik

- Weed flora management and productivity of rice (*Oryza sativa*) as influenced by herbicides Kalipada Pramanik, Maksud Hasan Shah and Rahul Kumar Gupta. *Annals of Plant and Soil Research*. 22(3): 221-226. 2020. ISSN: 0972-1959.
- Effect of irrigation scheduling and nutrient management on productivity and nutrient uptake by sweet corn (*Zea mays* var. *saccharata*) under vertisols of Marathwada. Nilesh MadanraoMaske, Kalipada Pramanik and Bhagwan V. Asewar. *Annals of Plant and Soil Research*. 22(3): 310-314. 2020. ISSN: 0972-1959.
- Bio-efficacy of herbicides weed management in groundnut underlateritic soil of West Bengal. M. H. Shah and K. Pramanik. *Journal of Crop and Weed*. 16(1): 199-210. 2020. P ISSN: 0974-6315, E ISSN: 2349-9400.
- Growth, productivity and quality of sweet corn in response to irrigation scheduling and nutrient management practices in Vertisols of Marathwada region. Nilesh MadanraoMaske, Kalipada Pramanik and Bhagwan V. Asewar. *Crop Research*. 55 (3 & 4): 91-99. 2020. ISSN 0970-4884
- Bio-efficacy of Ready-mix Herbicide on Weed Flora and Productivity of Transplanted Rice. Kalipada Pramanik, Maksud Hasan Shah, Rahul Kumar Gupta and Mayank Singhal. *International Journal of Bio-resource and Stress Management*. 11(2):132-137. 2020. Print ISSN 0976-3988 and Online ISSN 0976-4038
- Economic evaluation of irrigation scheduling and nutrient management on sweet corn (*Zea mays* L. *Saccharata*) - chickpea (*Cicer arietinum*) cropping sequence. Nilesh MadanraoMaske, Kalipada Pramanik and Bhagwan V. Asewar. *Plant Archives*. 20 (2): 4933-4938. 2020. e-ISSN:2581-6063 (online) and ISSN:0972-5210
- Effect of zinc priming and aerobic rice cultivar on chlorophyll content, relative water content and water productivity under irrigation regime during summer season in red and lateritic soil of West Bengal. S. Mukherjee, K. Pramanik and D. S. Dhakre. *Journal of Crop and Weed*. 16(3): 23-31. 2020. P ISSN: 0974-6315, E ISSN: 2349-9400.
- Weed management in transplanted onion (*Allium cepa* L.) Through early post-emergence herbicides. Rahul Kumar Gupta, Ruchi Bharti, Maksud Hasan Shah and Kalipada Pramanik. *Plant Archives*. 20 (2): 6919-6924. 2020. E-ISSN: 2581-6063 (online) and ISSN: 0972-5210.
- Efficacy of fomesafen against broadleaved weeds and productivity improvement in soybean. Pritam Ghosh and Kalipada Pramanik. *Plant Cell Biotechnology and Molecular Biology* 21(11&12):53-60. 2020. ISSN: 0972-2025.

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M. Banerjee

- Ajit Roy, Mahua Banerjee and Ganesh Chandra Malik. Cultivation method and weed management practices in rice (*Oryza sativa*). 2020. *Journal of Pharmacognosy and Phytochemistry*, (2020), SP6:440-456. P ISSN: 2349-8234, E ISSN: 2278-4136.
- Tanmoy Shankar, Mahua Banerjee, Ganesh Chandra Malik, Sudarshan Dutta, Debtanu Maiti, Sagar Maitra, Hesham Alharby, Atif Bamagoos, Akbar Hossain, Ismail A. Ismail and Ayman EL Sabagh. The Productivity and nutrient use efficiency of Rice-Rice-Black gram cropping sequence are influenced by location specific nutrient management.2021. *Sustainability* 2021, 13, 3222. P ISSN:2071-1050.
- Jyotirmoy Mondal, Ganesh Chandra Malik and Mahua Banerjee. Influence of various herbicide mixtures on weed dynamics, growth and yield in wheat (*Triticum aestivum* L.),2020. *Applied Biological Research*, 2020, 22(2): 165-173.ISSN: 0972-0979.
- Shalu Kumari, Mahua Banerjee, RK Raj, Antara Chaudhuri and Sujay Kumar Paul. Effect of weed management practices on growth and yield of summer groundnut (*Arachis hypogaea* L.) in red and lateritic soil, 2020. *International Journal of Current Microbiology and Applied Sciences*. 2020, 9(4), 2059-2063.ISSN:2319-7706
- Samata Mohanta, Mahua Banerjee and Tanmoy Shankar. Influence of nutrient management on the growth, yield and nutrient uptake of wheat (*Triticum aestivum*) in lateritic belt of West Bengal.2020. *International Journal of Current Microbiology and Applied Sciences*. 2020, 9(6),1389-1396..ISSN:2319-7706
- Gopal Sing Bhuiya, Tanmoy Shankar, Mahua Banerjee, GC Malik. Growth, productivity, nutrient uptake and economics of Hybrid maize (*Zea mays* L.) as influenced by precision nutrient management. 2020. *International Journal of Agriculture, Environment and Biotechnology*. 2020; 13(2):213-218. P ISSN: 1974-1712.
- Amallesh Ghosh, Tanmoy Shankar, GC Malik, Mahua Banerjee and A.Ghosh. Effect of seaweed extracts on the growth, yield and nutrient uptake of black gram (*Vigna mungo* L.) in the red and lateritic belt of West Bengal. 2020. *International Journal of Chemical Studies*, 2020. 8(3):799-802.P-ISSN: 2349-8528, E-ISSN: 2321-4902.
- K.Mondal, G.C.Malik, K.Jana and Mahua Banerjee. Performance of herbicides on weed growth and productivity of dry season transplanted rice. 2020. *Journal of Crop and Weed*, 2020, 16(3):91-96.ISSN-O: 2349-9400; P: 0974- 6315.

N.C. Sarkar

- Karmakar, M., Sarkar, N.C., Shivay, Y.S.· 2021. Agronomic Biofortification of Zinc in Lentil. *International Journal of Bio-resource and Stress Management* 12(2):095-107.

P. Ghosh

- "Efficacy of fomesafen against broadleaved weeds and productivity improvement in soybean." Ghosh, Pritam and Pramanik, Kalipada. 2020. *Plant Cell Biotechnology and Molecular Biology*, 21(11&12):53-60, ISSN: 0972-2025.

Book/Book chapters

B. Duary

- Duary, B., Dash, S. and Teja, K. C. (2021). Agronomy of Field Crops. In: *Handbook of Agriculture, Environment and Biotechnology*. Eds. Rakshit, A., Singh, H. B. , Singh, A. K., Abhilash, P. C., Sarma, B. K., Tripathi, V. K. and Parewa, H. P. Association of Agriculture, Environment and Biotechnology, pp.193-201. ISBN: 978-81-948260-0-2.

M. Banerjee

- MCQ's on Agronomy, Kajal Sengupta, Sukamal Sarkar, Mahua Banerjee, Purabi Banerjee, New Delhi, New India Publishing Agency, 2021, ISBN 978-93-89571-95-0.

N.C. Sarkar

- Maiti, R., Sarkar, N.C., Rodríguez, H.G., Kumari, C.A., Begum, S., Rajkumar, D. 2020. *Advances in Rice Science: Botany, Production, and Crop Improvement*. Apple Academic Press Inc. Hard ISBN: 9781771888547, E-Book ISBN: 9780429325113, Pages: 364.

Any other relevant information

The department is trying to motivate the farmers to grow pulse crops under rainfed situation in Rice-Fallow areas through training, field demonstration as well as transfer of production technologies. Availability of quality crop seeds to the farmers is always challenging task. Production of quality seeds is the only way to overcome the problem of availability of seeds. This department is taking pivotal role to produce certified seeds for the farmers.

Activities of the Department of Agronomy

A. Teaching

- Regular teaching programme for under-graduate, post-graduate and doctoral level
- Coaching classes for ICAR-JRF, ICAR-SRF, ICAR-NET, WBAS, etc
- Educational tour for the students to different research institutes, private farms, farmers' field, etc
- Conducting programme on Rural Agricultural Work Experiences for UG students

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B. Research

- **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.
- Planning and conducting of research for Master and Doctoral degree
- Collaborative doctoral research programme with different SAUs and ICAR research institutes
- Sponsored and collaborative research programme funded by National organizations like CSIR, ICAR etc and international organizations such as IPNI, ICARDA, IRRI etc.
- Collaborative research programme under Public-Private-Partnership (PPP) module with funding from many National and Multinational companies.

C. Extension

- Conducting farmers'- scientist meeting, farmers' training, women 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.
- Consultancy service to the farmers by the teachers of the department
- Dissemination of modern knowledge of crop production through talks in All India Radio, Doordarshan and other TVprogrammes and technology demonstration in annual festival of Sriniketan (Magh Mela).
- Coordinating Farmers' Exposure visit from different parts of West Bengal.

D. Other activities

- Organization of national and international seminar on contemporary themes
- Regular cleaning work under Sawchh Bharat Abhiyan
- Special programme on the occasion of National Integration Day, Teachers' Day etc.
- Organization of annual picnic, freshers' welcome programme for the newly admitted PG students, farewell programmes for outgoing students and superannuated staff members.
- Active participation of faculties of the department in university sports.

DEPARTMENT OF ANIMAL SCIENCE

**On going Research Projects in the Department:
Only Deptl. Projects for student's research**

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

Participate as per University Programme

DEPARTMENT OF CROP PHYSIOLOGY

Ongoing Research Projects in the Department

- Name of the Teacher: Debasish Panda (Co-Principal Investigator)
- Name of the Project: Assessment of combinatorial effect of SUB1A and SK loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation
- Sponsoring Agencies: SERB, DST, Govt. of India
- Amount Sanctioned: Rs.42,64,832/-

National and International standard Conference /Seminar /Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars:

- Sananda Mondal participated and presented paper in the International Plant Physiology Virtual Conference-2020 on Prospects of Plant Physiology for Climate Proofing Agriculture organized by Indian Society of Plant Physiology, New Delhi. Title of presentation: Heavy metal Stress Signalling Mechanism in Plants during 06.12.2020-07.12.2020.
- Dr. (Mrs.) Sananda Mondal participated and presented paper in the International Plant Physiology Virtual Symposium organized by ICAR-Sugarcane Breeding Institute, (ICAR-SBI) Coimbatore, India & Indian Society for Plant Physiology, New Delhi. Title of presentation: Effect of Zinc Sulphate and Boric acid seed priming on germination Physiology of Lentil (*Lens culinaris* L.) during 11.03.2021-12.03.2021.

Publications :

Research Papers

- “Effect of Micronutrients and Growth Regulators on Pigment Content, Nitrate Reductase Activity and Relative Leaf Water Content of Chilli (*Capsicum Annuum* L)”. Ghosh A, Mondal S. and Panda D. Plant Cell Biotechnology and Molecular Biology. Vol. 21, no.13 & 14, pp.37-51, 2020, ISSN 0972-2025.

Number of papers published in peer reviewed journals: 1

Book Chapters

- “Nutrigenomics: An Interface of Gene-Diet-Disease Interaction”. Mondal, S. and Panda, D. In: Mineral Deficiencies - Electrolyte Disturbances, Genes, Diet and Disease Interface. Intechopen, DOI: 10.5772/intechopen.94602.

DEPARTMENT OF GENETICS & PLANT BREEDING

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail

Nihar Ranjan Chakraborty

- Participated and delivered an oral presentation on ‘Radiation sensitivity on Pollen and Spikelet fertility associated with grain yield in non-basmati aromatic ‘Badshabhog’ rice’ under the session on the Theme 2: Advances in horticulture and field crop improvement in the International E-Conference on ‘Advances and Future Outlook in Biotechnology and Crop Improvement for Sustainable Productivity’ organised by the Department of Biotechnology and Crop Improvement, College of Horticulture, Bengaluru during 24th-27th November, 2020.
- Participated and presented paper in the 1st Indian Rice Congress - 2020 (an International Conference) on “Isolation of improved line in ‘badshabhog’ through induced mutation” in Virtual Mode held at ICAR-National Rice Research Institute, Cuttack, Odisha-753006 during December 8-9, 2020.

Ongoing research projects in the Department:

Amitava Paul

As Co-PI of the Research Project entitled “Physical mutation to improve the P acquisition along with nodulation efficiency in Lentil” bearing sanction No. 55/14/17/2020-BRNS/10360 funded by Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs. 2489100.00/-) for three years from 2020-2023.

Sandip Debnath

As PI of the YSRA-BRNS-DAE Research Project entitled “Physical mutation to improve the P acquisition along with nodulation efficiency in Lentil” bearing sanction No. 55/14/17/2020-BRNS/10360 funded by Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs. 2489100.00/-) for three years from 2020-2023.

As Co-Investigator in 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.

Chapter-2

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 RathindraKrishiVigyan Kendra, Visva-Bharati, Govt. of West Bengal, NGO's *etc.*).

Television programme and radio talk

Nihar Ranjan Chakraborty

- Participated on recorded radio programme on “Cultivation of Black gram during lock down period” organized by All India Radio, Kolkata A on 30th April. 2020.
- Participated on recorded radio programme on “Cultivation of sesame with advanced agricultural practices” organized by All India Radio, Kolkata on 24th March., 2021.

Sandip Debnath

- Participated on recorded radio programme on “Proper Use of Micro Nutrients in Vegetable Cultivation” organized by All India Radio, Kolkata A on 16th May., 2020.

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:

- PLoS One
- 3 Biotech
- Rice Science
- International Journal of Radiation Biology
- Journal of Environmental Biology
- Acted as an External Examiner for M.Sc.(Ag) Thesis evaluation of Uttar BangaKrishiViswa-Vidyalaya, Pundibari, Coochbehar and Central Agricultural University, Imphal, Manipur
- Acted as an External Examiner for Ph.D. Thesis evaluation of BCKV, Mohanpur, Kolkata.

- Three-day Online Training on “ Enhancing Teaching and Student Engagement through effective Personal Development and use of OER, AI and ML, held at GBPUA&T, Pantnagar, Uttarkhand, 2-6 March, 2021

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, PAU, Ludhiana)
- Acted as evaluator and external examiner for M.Sc and Ph.D thesis of different Agricultural Universities (BCKV, Mohanpur; CAU, Imphal, Manipur)
- Ph. D. Thesis: Two (Awarded)

Nihar Ranjan Chakraborty

Life member of the following:

- Indian Science Congress Association (ISCA)
- Association for Plant Breeding and Improvement (APBI), Kolkata
- Act as an. External Examiner for the theoretical examination and practical evaluation of 2nd year M.Sc.(Ag), 2020-2021, in Genetics and plant Breeding course GPB-304(Mutagenesis & mutation breeding) at IRDM, RMA, Narendrapur, Kolkata, WB

Sandip Debnath

- Awarded with DAE YOUNG SCIENTIST RESEARCH AWARD (DAE-YSRA) by Department of Atomic Energy, Govt of India

Publications

Paresh Chandra Kole

- “Economic heterosis in sunflower (*Helianthus annuus* L.): Seed yield and yield attributing traits in newly developed hybrids.” Lakshman, S.S., Chakrabarty, N.R. and Kole, P.C. 2020. *Electronic J. Plant Breed.*, 11 (2), 461-468. <https://doi.org/10.37992/2020.1102.079>.

Chapter-2

- “Genetic divergence for yield contributing characters in F₅ families of rice (*Oryza sativa* L.)”Mishra, A., Kole, P.C., Satpathy, S. and Mohanta, R. 2020.. *Electronic J. Plant Breed.*, 11 (4), 1073-1077.. <https://doi.org/10.37992/2020.1104.174>
- “Agronomic performance of some F₅ families of rice (*Oryza sativa* L.)”Mishra, A. and Kole, P.C. 2020.. *Plant Archives* 20(2), 3657-3660 e-ISSN:2581-6063 (online), ISSN:0972-5210
- “High efficient *de novo* root-to-shoot organogenesis in *Citrus jambhiri* Lush. Gene expression, genetic stability and virus indexing”. Devi, TR., Dasgupta, M., Sahoo, MR,Kole, P.C. and Prakash, N. 2021.*PLoS One*, 16(2) e 0246971(20 pages) [DOI; <http://doi.org/101371/journal.pone.0246971>]
- “Genetic variability and yield analysis in rice (*Oryza sativa* L.)”Nath, Sahanab and Kole, P.C. 2021. *Electronic J. Plant Breed.* 12 (1), 253-258. <https://doi.org/10.37992/2021.1201.039>

Amitava Paul

- “Genetic variability, heritability and genetic advance studies on *rabimaize* (*Zea mays* L.)”. Sadhu, A., Paul, A., Kole, P. C. and Debnath, S., 2020. *Int.J.Curr.Microbiol.App.Sci*2020. 9(12): 3416-3423. ISSN: 2319-7706

Nihar Ranjan Chakraborty

- “Genetic diversity analysis in Indian mustard (*Brassica juncea*)”, Gadi, J., Chakraborty, N.R. and Imam, Z., 2020, *Journal of Pharmacognosy and Phytochemistry* 9(1): 952-955. E-ISSN: 2278-4136 P-ISSN: 2349-8234.
- “Study on evaluation of Indian mustard germplasms for the quantitative traits”, Gadi, J., Chakraborty, N.R., Imam, Z. and Rashid, Md. M., 2020, *The Pharma Innovation Journal* 9(3): 210-213. ISSN (E): 2277- 7695 ISSN (P): 2349-8242.
- “Production performance of brinjal (*Solanum melongena*L.) Genotypes in laterite belt of eastern India”, Parida, H.R., Mandal, J., Chakraborty, N.R. and Mohanta, S., 2020, *Int. J. Curr. Microbiol. App. Sci.* 9(07): 912-919. doi: <https://doi.org/10.20546/ijcmas.2020.907.106>.
- “Economic heterosis in sunflower (*Helianthus annuus*L.): seed yield and yield attributing traits in newly developed hybrids”, Lakshman, S.S., Chakraborty, N.R. and Kole, P.C., 2020, *Electronic Journal of Plant Breeding*11 (2):461-468. <https://doi.org/10.37992/2020.1102.079>. ISSN 0975-928X
- “Immediate radiation effects and determination of optimal dose of gamma rays on non-basmati aromatic rice (*oryza sativa* l.) Of eastern india”, Kant, A., Chakraborty, N.R.

and Das, B.K., 2020, *Journal of Experimental Biology and Agricultural Sciences*, 8(5): 586-604. ISSN No. 2320 – 8694. DOI:[http://dx.doi.org/10.18006/2020.8\(5\).586.604](http://dx.doi.org/10.18006/2020.8(5).586.604)

- “Genetic variability, character association and divergence studies in Sunflower (*Helianthus annuus* L.) for improvement in oil yield”, Lakshman, S.S., Chakraborty, N.R., Debnath, S. and Kant, A., 2021, *African Journal of Biological Sciences* 3(1):129-145. Doi:10.33472/AFJBS.3.1.2021:129-145.
- “Induction of mutation through gamma irradiation in non-basmati aromatic “Badshahog” rice (*Oryza sativa* L.)”, Kant, A. and Chakraborty, N.R., 2021, *Applied Biological Research* 23(1): 50-59. Doi: 10.5958/0974-4517.2021.00007.0., ISSN (p) 0972-0979, ISSN (O) 0974-4517.
- “Marker based genetic variability analysis of rice (*Oryza sativa* L.) Landraces for drought tolerance”, Acharjee, S., Chakraborty, N.R. and Das, S.P., 2021, *African Journal of Biological Sciences* 17 (1): 117-136, ISSN 1687-4870, e- ISSN 2314-5501 (online).

Sandip Debnath

- “Characterization of indigenous brinjal (*Solanum melongena* L.) Lines using morphological traits under Jharkhand condition”, Rajan, N., Debnath, S., Dutta, A. K., Pandey, B., Singh A. K.R., 2020, *Annals of Plant and Soil Research* 22: 425—431. DOI:[10.47815/apsr.2020.10016](https://doi.org/10.47815/apsr.2020.10016)
- “Character association and path analysis for seed yield and its components in grass pea (*Lathyrus sativus* L.)” Ranjithkumar, G., Debnath, S., Rajasekhar, D., 2020, *the Bioscan* 15 (3): 291-295. ISSN 0973-7049.
- “Study on character association in *Lens culinaris medic*”. Satpathy, S., Debnath, S., & Mishra, A, 2021. *Electronic Journal of Plant Breeding*, 12(1), 58-65. <https://doi.org/10.37992/2021.1201.009>

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.

Chapter-2

The Department of GPB, started functioning from 2019. M.Sc(Ag) in Genetics and Plant Breeding started from Academic session 2015-16 with an intake capacity of six students (at present seven). The department offers various courses on Genetics, Plant Breeding, Plant Biotechnology, Bioinformatics, Breeding Field Crops and Plant Physiology etc. at U. G. and P.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

The department has planned to set up modern and well-equipped laboratories for tissue culture and Molecular breeding work.

DEPARTMENT OF HORTICULTURE & POST-HARVEST TECHNOLOGY

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

- Invited Lecture by Mr Dipal Roy Choudhury, Joint Registrar, PPV&FRA, MAFW, GOI, on “PPV&FR Act 2001 and its implementation in India” on 28.01.2021

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Joydip Mandal

- Joydip Mandal participated in the One-Week National e-Workshop on “Using Open-Source Learning Management System for Online Teaching” jointly organized by Visva-Bharati Library Network (VBLN) & Dept. of Statistics, Siksha Bhavana, Visva-Bharati, Santiniketan, West Bengal during 17. 08.2020 – 25.08. 2020.

Prahlad Deb

- National Webinar on “Self Sufficient Agriculture: New Approaches” organized by Growing Seeds, Dharmanagar, North Tripura during 30.05.2020 – 31.05.2020.

Ongoing Research Projects in the Department:

| Sl. No. | Name of the teacher | Name of the Project | Sponsoring agencies | Amount sanctioned |
|---------|--|---|--|-------------------|
| 1 | Dr. Joydip Mandal (PI) and Dr. Goutam Mandal (Co-PI) | Assessment of Efficiency of Three Organic Compounds in Vegetable Cultivation (Extension for Cucumber and Cabbage) | Krishi Rasayan, Kolkata | Rs. 0.50 lakh |
| 2 | Joydip Mandal (Co-PI) and Kalipada Pramanik (PI) | Bio-efficacy, phytotoxicity and residue of herbicides on transplanted rice, cumin, sunflower and mustard | M/S Parijat Industries (India) Pvt. Ltd. | Rs. 11.7 lakh |

Chapter-2

| | | | | |
|---|--------------------|------------------------------------|--|------------------|
| 3 | Dr. Prahlad Deb | Leaf Tissue Analysis Laboratory | National Horticulture Mission through, Dept. of FPI & Horticulture , Govt. of WB | Rs. 20.0 lakh |
|---|--------------------|------------------------------------|--|------------------|

Extension activities/NSS/Cultural and other activities organised 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.).

Department takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').

- Joydip Mandal was committee member in 'Halakarshana' programme, 2020.

Lectures

Goutam Mandal

- Two Radio talk on Kitchen garden "Cultivation of fruits and its care at Akashbani Santiniketan

Joydip Mandal:

- Delivered lecture on "Kharif Vegetable Production in Purulia District" in farmers' forum organized by KVK, Kalyan, Purulia on 17.06.2020.
- Delivered lecture on "Seedling Production under Protected Structure for Business" in a3-day training programme on "Polyhouse / Greenhouse Farming for Ari-entrepreneurship" organized by SAMETI-West Bengal, Ramkrishna Mission Ashram, Narendrapur, Kolkata on 11.01.2021.
- Delivered lecture on "Vegetable Nursery Management" in DAESI programme organized by RKVK, Visva-Bharati, Birbhum on 19.01.2021.
- Delivered lecture on "Vegetable Nursery Management" in DAESI programme organized by RKVK, Visva-Bharati, Birbhum on 22.01.2021.

- Delivered lecture on “Package and Practices of Cultivation of Solanaceous Vegetables” in DAESI programme organized by RKVK, Visva-Bharati, Birbhum on 30.03.2021.
- Delivered lecture on “Package and Practices of Cultivation of Solanaceous Vegetables” in DAESI programme organized by RKVK, Visva-Bharati, Birbhum on 09.04.2021.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Snehasish Chakravorty

Life Member of the following professional societies

- The Society for the Advancement of Horticulture, Mohanpur, W.B..
- The Indian Society of Vegetable Science, Varanasi, U.P.
- Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
- International Journal of Bio-Resources and Stress Management
- 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

- The Horticultural Society of India
- The Indian Science Congress Association
- Society for Advancement of Horticulture
- Indian Society of Arid Horticulture
- Indian Society of Agricultural Engineers
- 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 BCKV, Nadia, WB
- Acted as Teacher Warden, Elmhirst Boys Hostel, Sriniketan; Visva-Bharati.

Joydip Mandal

Life Member of the following professional societies

Chapter-2

- The Horticultural Society of India, New Delhi.
- The Indian Society of Vegetable Science, Varanasi, U.P.
- The Society for the Advancement of Horticulture, Mohanpur, W.B.
- The Orissa Horticultural Society, Bhubaneswar, Odisha.
- Indian Journal of Hill Farming, Barapani, Meghalaya.
- Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
- Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS), Cooch Behar, W.B.
- **Biosciences & Agriculture Advancement Society (BAAS), Meerut, UP.**
- The Karnataka Horticultural Society, Arabhavi, Karnataka.
- Indian Society of Alliums, ICAR-DOGR, Rajgurunagar, Pune
- Performed as Guest Teacher in Department of Horticulture, Institute of Agricultural Sciences, Calcutta University.
- BOS member of Department of Environmental Studies, Visva-Bharati.
- Member of the Editorial Board (2019) in the Journal “*HortFlora Research Spectrum*”.
- Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in OUAT, Bhubaneswar (Odisha) and Calcutta University (Kolkata, West Bengal).

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:

- The Horticultural Society of India, New Delhi
- The Society for Promotion of Horticulture, Bangalore
- Fruit Science Society of Bangladesh, Mymensingh, Bangladesh
- Hort Flora Research Spectrum, Meerut, Uttar Pradesh
- Crop & Weed Science Society, BCKV, Nadia, WB
- Journal of Bio-resource and Stress Management, Kolkata
- Society for Bioresource, Environment and Agricultural Research
- Executive Committee Member of International Society for Minor Fruits, Medicinal and Aromatic Plants.
- 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.

Publications:

Goutam Mandal

- N P Reshmi, Goutam Mandal and R Thokchom 2020. Study on osmotic dehydration and drying methods for the preparation of dry aonla (*Emblica officinalis* Gaertn) segments.. *Research on Crops*, 21 (3)
- Elavena War, Goutam Mandal and Prahlad Deb 2020. Quality Evaluation of Artificially Ripened Banana under the Influence of Ethylene and its Mode of Application. *Research Journal of Agricultural Sciences* 11 (6), 1225-1228.
- Goutam Mandal and Rocky Thokchom 2020. Performance of promising litchi cultivars in Red and lateritic zone of Birbhum. *Agricultural Science Digest* 40 (2), 144-148

Joydip Mandal

- T. Biswas, **Joydip Mandal** and Smaranika Mohanta. 2020. Evaluation of some cooking type Watermelon [(*Citrullus lanatus* (Thunb.) Matsum and Nakai)] genotypes under Laterite Belt of Eastern India. *Journal of Crop and Weed*. 16(1): 245-249. P ISSN: 0974-6315; E ISSN: 2349-9400. (<https://doi.org/10.22271/09746315.2020.v16.i1.1301>)
- H. R. Parida, **Joydip Mandal** and S. Mohanta. 2020. A note on morphological characterization of brinjal (*Solanum melongena* L.) genotypes. *Journal of Crop and Weed*. 16(1): 250-255. P ISSN: 0974-6315; E ISSN: 2349-9400. (<https://doi.org/10.22271/09746315.2020.v16.i1.1302>)
- Y. Indrani Devi, M. Dasgupta, **Joydip Mandal** and M. R. Sahoo. 2020. Role of Ascorbate–Glutathione (AsA–GSH) Pathways in *Phytophthora* Leaf Blight Disease Resistance in Taro (*Colocasia esculenta* L. Schott). *International Research Journal of Pure & Applied Chemistry*. 21(12): 66-75. Article no. IRJPAC 60503. ISSN: 2231-3443, NLM ID: 101647669. (DOI: 10.9734/IRJPAC/2020/v21i1230240)
- V. Anumala, **Joydip Mandal** and S. Mohanta. 2020. Study on Off-season Performance of Some Vegetable Type Watermelon ((Thunb.) *Citrullus lanatus* Matsum and Nakai) Landraces. *Indian Journal of Ecology*, 47(4): 1135-1139. ISSN 0304-5250.

Chapter-2

- T. Das, **Joydip Mandal** and S. Mohanta. Influence of Mother Bulb Weight and Spacing on Quality Seed Yield of Onion. *Indian Journal of Ecology*, 47(4): 1130-1134. ISSN 0304-5250.
- P. Acharyya, A. Banerjee, D. Mukherjee, **Joydip Mandal** and B. Sahoo. 2020. Impact of Different Types of Organic Mulch on Growth, Yield, Soil Dynamics and Weed Infestation in Beetroot (*Beta vulgaris* L.cv. Detroit Dark Red) Plots. *International Journal of Current Microbiology and Applied Sciences*, 9(7): 1419-1427. ISSN: 2319-7706. (<https://doi.org/10.20546/ijcmas.2020.907.163>)
- H. R. Parida, **Joydip Mandal**, N. R. Chakraborty and S. Mohanta. 2020. Production Performance of Brinjal (*Solanum melongena* L.) Genotypes in Laterite Belt of Eastern India. *International Journal of Current Microbiology and Applied Sciences*, 9(7): 912-919. ISSN: 2319-7706. (<https://doi.org/10.20546/ijcmas.2020.907.106>)
- **Joydip Mandal**, P. Acharyya, R. Bera and S. Mohanta. 2020. Response of Onion to NPK, S and Micronutrients. *International Journal of Current Microbiology and Applied Sciences*, 9(6): 1137-1144. ISSN: 2319-7706. (<https://doi.org/10.20546/ijcmas.2020.906.141>)
- S. Mondal, G. K. Ghosh and **Joydip Mandal**. 2020. Effect of Graded Levels of Sulphur as Magnesium Sulphate on Yield and Quality of Onion (*Allium cepa* L.) in Red and Lateritic Soils of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, 9(4): 2858-2866. ISSN: 2319-7706. (<https://doi.org/10.20546/ijcmas.2020.904.335>)
- S. Rahaman, **Joydip Mandal**, D. Saha and Mohanta, S. 2020. Varietal Screening of Short Day Onions (*Allium cepa* L.) under Coastal Saline Area. *Agricultural Science Digest*, 10.18805/ag.D-5210.

Prahlad Deb

- Prerna Baraily and Prahlad Deb 2020. Effect of Postharvest Chemical Treatments on Fresh Cut Pineapple Cubes, *Chemical Science Review and Letters*, 9(36):895-901 (ISSN: 2278-6783)
- Durbadal Mahanty, Prahlad Deb and Goutam Mondal 2020. Effect of Integrated Nutrient Management on Growth, Flowering and Fruit Development of pineapple (cv. Kew) under Red and Lateritic Belt of West Bengal, *Indian Agriculturist*, 63(3&4): 155-162.

- Deveshwar Prasad Patel, Prahlad Deb and Yogesh Kumar Patel 2020. Effect of Fruit Bagging on Yield and Quality of Tomato (*Solanum lycopersicum* L), International Journal of Chemical Studies, 8(5): 2191-2197
- Gangaram Rana, Prahlad Deb, Buddhishatya Dowarah and Kanne Sushmitha 2020. Effect of Seed Pre-treatment on Seed Germination and Seedling Growth of Papaya, International Journal of Current Microbiology & Applied Science, 9(4): 1066-1071
- Gangaram Rana, Roshan Lal Sahu and Prahlad Deb 2020. Effect of various treatments on breaking seed dormancy and germination enhancement in Custard apple (*Annona reticulata* L). Local cultivar, Journal of Pharmacognosy and Phytochemistry, 9(3): 787-789

Number of paper published in Peer/reviewed journals : 18

To be entered as:

- Departmental Publication:
- Individual Publication: a) Single author
- b) Joint authors(of the same Department): 18

A brief history on the development of the 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.

Horticulture Farm

This section has a small garden covering a total area of 13.0 hectares with an office building inside. It undertakes the work of development and maintenance of garden including orchards and nurseries etc. in Palli-Siksha Bhavana campus. The numbers of staff are only 4 (four) Malis.

Activities

- Distribution of fruit plants among the farmers of rural areas adjacent to Visva-Bharati, during '*Halakarshana Utsava*' at free of cost.

Chapter-2

- Selling of fruit plants and seedlings of seasonal flowers at minimum prices) and tender of mango orchard.
- Supply of potted plants and ornamental flowers during various cultural programmes and festivals of different units of Sriniketan.
- Taking special care and attention to the beautification and decoration of the campus of the Palli Siksha Bhavana.
- Conducting research trials of PG & Ph.D. students throughout the year.
- Practical classes of UG and PG courses in Horticulture
- Renovation of office building is yet to be completed.
- Construction work of micro irrigation system is in progress.

DEPARTMENT OF PLANT PATHOLOGY

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

- C. Shanmugaraj, ICAR-SRF (AIR 02) (admitted to Ph.D. in Plant Pathology at ICAR-IARI)
- Sathiyaseelan K. ICAR-SRF(AIR 06) (admitted to Ph.D. in Plant Pathology at ICAR-IARI)

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

Mohan Kumar Biswas

- Participated and act as Co-Chairman in the International Webinar on “Covid-19 Pandemic: Vaccine development and future therapies”. Organized by Dinabandhu Andrews College, Garia, Kolkata, South 24 parganas on 14.06.2020 and 16.06.2020.
- Participated and act as a Resource person in the International Webinar on “Combating Covid-19 Crisis & It’s Aftermath, Insights by Young Researchers”. Organized by Rabindra Mahavidyalaya, Champandanga, Hooghly, West Bengal on 17.07.2020 and 18.07.2020.
- Participated and delivered a keynote lecture on Features of Quality Spawn (Mushroom Seed) and their Production Techniques for the Production of Mushroom in the National Web Conference on “Mushroom Production: An Emerging Avenue for Rural Youth and Self Employment” organized by Bihar Agricultural University, Sabour, Bhagalpur held on 26.08.2020 and 27.08.2020.

Bholanath Mondal

- Attended the programme and acted as Assistant Organizing Secretary in the National Webinar on ‘Modern Agricultural Technology: A Step Towards Rural Self-Reliance’, organized by the Institute of agriculture, Visva-Bharati held during 12.06.2020 – 14.06.2020.
- Attended the National Seminar (Online) on Intellectual Property Right (IPR) Tools and and delivered lecture on ‘Introduction to Intellectual Property Right (IPR)’ as an invited speaker held on, organized by Hiranmaypur Agro-Horticultural Society for Technology and Rural Development and IP Facilitation Centre for MSME, ICAR-CRIJAF, Barrackpore, Kolkata on 22.08.2020.

Chapter-2

- Attended the International Programme and delivered lecture as a Guest Speaker on ‘Conflict between Biodiversity Conservation and Rural Livelihood Management in Sundarban areas’ and also acted as an evaluator of the Poster Presentation event on the same day, organized by Termite Society, Barisal, Bangladesh on 24.02.2021.

Vivek Kumar Khare

- Participated in online webinar organized by Indian Phytopathological Society, on topic “Next generation sequencing for deciphering host- pathogen interaction” during 04.02.2021 – 05.02.2021.

Ongoing Research Projects in the Department

| Sl. No. | Name of the Teacher | Name of the Project | Sponsoring Agencies | Amount Sanctioned (Rs. In Lakh) |
|---------|---------------------|---|---|---------------------------------|
| 1. | Prof. Ranjan Nath | Bio-Efficacy and Residue Studies of Some fungicides on Different Crops | Willowood Chemicals Private Ltd., New Delhi-110025 | 7.48 |
| 2. | Prof. Ranjan Nath | Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops | Willowood Chemicals Private Ltd., New Delhi-110025 | 8.47 |
| 3. | Prof. Ranjan Nath | Studies on the Bio-efficacy of some fungicides on Different crops | Willowood Chemicals Private Ltd., New Delhi-110025 | 2.668 |
| 4. | Prof. Ranjan Nath | Bio-efficacy of Dimethomorph 50 WP against diseases of potato | Coromandel International limited, Secunderabad, 500 003 | 1.61 |
| 5. | Prof. Ranjan Nath | Evaluation bio-efficacy, phytotoxicity and Residual effect of Picoxystrobin 22.52% w/w SC on Rice crops | Coromandel International limited, Secunderabad, 500 003 | 0.805 |

| | | | | |
|-----|----------------------|--|---|-------|
| 6. | Prof. Ranjan Nath | Evaluation of Bio-efficacy, Phytotoxicity and Residual effect of Carbendazim 50%WP on Brinjal crops | Coromandel International limited, Secunderabad, 500 003 | 0.92 |
| 7. | Prof. Ranjan Nath | Studies on the Bio-efficacy of Three Fungicides (WCPL 6060, WCPL-ST & Kresoxim-methyl 44.3% SC) on Different crops | Willowood Chemicals Private Ltd., New Delhi- 110025 | 5.175 |
| 8. | Prof. Ranjan Nath | Evaluation of Mancozeb and Azoxystrobin Combination against diseases of different crops for two seasons | Coromandel International limited, Secunderabad, 500 003 | 4.68 |
| 9. | Prof. Ranjan Nath | Studies on the Bio-efficacy of some fungicides on Different crops during Kharif and Rabi season' | Willowood Chemicals Private Ltd., New Delhi- 110025 | 8.32 |
| 10. | Dr. Bholanath Mondal | Bio-efficacy evaluation of different pesticides against pests and diseases of crops | Indofil Industries Ltd. (The trials under this project continuing from 24.07.2018) | 49.40 |
| 11. | Dr. Bholanath Mondal | Bio-efficacy and phytotoxicity studies of different agrochemicals used to manage different diseases of crops | Bayer CropScience Ltd. (The trials under this project continuing from 17.02.2020) | 9.60 |
| 12. | Dr. Bholanath Mondal | Bio-efficacy evaluation of different agrochemicals of Bioscience Research Foundation in different field and horticultural crops. | Bioscience Research Foundation (The trials under this project continuing from 03.09.2020) | 3.90 |

Chapter-2

Extension activities/NSS/Cultural and other activities organised 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.

Cleaning of campus was done in collaboration with NSS unit, PSB

Cleaning of campus and the Department was done during the observation of Gandhi punyaho on 10 March, 2021.

Ranjan Nath

- Resource person in ' *Krishi Darshan*' programme organised by Doordarshan, Santiniketan

Mohan Kumar Biswas

- Acted as a resource person and delivered lectures on the topic Importance and procedure for oyster mushrooms cultivation, Cultivation procedure milky mushroom and Disease and contaminant management in oyster and milky mushrooms in Skill Development Course for "Automated system for Mushroom cultivation and spawn production" from 20.3.21 to 26.03.21 in the College of Agriculture, Department of Plant Pathology, OUAT, Bhubaneswar under Institutional Development Plan (IDP), National Agricultural Higher Education Project (NAHEP)
- Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on "*Diseases and pest management of Vegetables in summer*" 23.05.2020.
- Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on "*Control of pest and diseases through biological agents*" 04.08.2020 at 6.30 P.M.
- Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on "*Cultivation of Paddy Straw mushroom*" which was broadcast on 14.12.2020 at 6.30 P.M.

- Acted as a resource person in the ALL INDIA RADIO broadcast programme “KISHAN VANI” and delivered lecture on “*Nematode Diseases of crops and their management*” 04.03.2021.

Bholanath Mondal

- Acting as a Professional Director in the Board of Directors of Birbhum District Central Co-operative Bank Ltd. since 11 May, 2020.
- Acting as a member of Kishanvani Programme Advisory Committee (AIR, Santiniketan) for Birbhum District since 14 September, 2020.
- Delivered lecture on ‘Disease Management of Different Crops’ for DAESI participants of the Jalpaiguri District on 25 August, 2020, organized by Jalpaiguri Krishi Vigyan Kendra, W.B. University of Animal and Fishery Sciences, Ramsai, Jalpaiguri.
- Delivered lecture on ‘Disease Management of Rabi Vegetables’ for DAESI participants of the Birbhum District on 2 October, 2020, organized by Rathindra Krishi Vigyan Kendra, Palli-Siksha Bhavana, Visva-Bharati.
- Visited different project areas (Bolpur-Sriniketan, Labpur, Illambazar and Santhia block) of Tomorrow’s Foundation to promote organic agriculture and kitchen garden on 25 November, 2020 organized by Tomorrow’s Foundation, Birbhum.
- Delivered lecture on ‘Disease and Pest Management of Crops by Non-chemical means’ organized by Tomorrow’s Foundation on 2 December, 2020 at Training Hall of Tomorrow’s Foundation, Kisan Mandi, Birbhum.
- Participated in different awareness programme organized by several Govt. and Non-Govt. organizations on COVID-19 and Amphan disaster, as well as distributed food materials, medicines, mask, sanitizers, tarpaulin, water etc
- Acted as an agricultural expert in AIR, Santiniketan; Department of Agriculture, GoWB; NGOs and delivered lectures on different topics on sustainable agriculture.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Ranjan Nath

Membership of National Society / Journal

- Indian Society of Mycology and Plant Pathology (ISMPP), published the *Journal of Mycology and Plant Pathology*. Office: MPUAT, Udaipur, Rajasthan.

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- Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the *Journal of Agriculture and Technology*. Office: UBKV, Coochbehar, West Bengal.
- Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New –Delhi, India, publish the *Journal of Indian Phytopathology*.

Academic collaboration with other Institute/ University

- Appointed as an External Examiner for Ph.D. thesis evaluation of BCKV, Mohanpur Nadia, West Bengal

Thesis Guidance

- Two M.Sc. Students submitted thesis and were awarded degree.
- One Ph. D. student awarded degree

Mohan Kumar Biswas

Award

- Received BEST SCIENTIST Award (6th September -2020) in 8th Academic Achievement Award -20 from EET CRS Research Wing for Excellence in Professional Education & Industry, Educationexpotv, Mumbai, India.
- Received Best Teacher Award 2020 in recognition of valuable contribution to the academic community and students from Institute of Scholars (InSc), Bangalore, India.

Thesis Guidance

- Two M.Sc. Student (Shanmugaraj and Sagnik Chatterjee) submitted thesis and awarded degree.

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, Puspa 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

- Appointed as an External Examiner and question setter for the subject of Fundamental of Plant Pathology (PPT-121) of OUAT, Bhubaneswar, Odisha.on 16.06.2019.

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 Ph.D. 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.

Bholanath Mondal

- Received ‘SAS Best Academician Award 2020 (Agriculture)’ in recognition and appreciation of the academic and research contribution on Agriculture on the event of ‘SAS International Conference & Awards 2020’ on 3 August, 2020, organized by Scholars Academic & Scientific Society, Assam, India.
- Completed Two-Week Online Faculty Development Programme on ‘Advanced Techniques and Tools in Social Science Research’ during 24 November – 7 December, 2020 organized by Department of Management and Business Administration, Aliah University in collaboration with SPSS, South Asia.

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.

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- 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 Throtling 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
- Fellow member of the Scholars Academic and Scientific Society, Assam.

Other Achievements

- Two M.Sc. students awarded degree during the academic year.
- Reviewer of different journals including Indian Phytopathology.
- Attend different awareness programme organized by WHO and Govt. of India on COVID-19 Coronavirus.
- Acting as Chief advisor, Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.
- Acting as PG Course coordinator in the Department of Plant Pathology, Palli-Siksha Bhavana, Visva-Bharati
- Acting as a member of 'Committee for Development & Commercial Utilization of Water Bodies' of Visva-Bharati.

Vivek Kumar Khare

Award

Awarded with Best article award by Agriculture & Food: e-Newsletter for article entitled "Small scale mushroom cultivation for additional income generation" March, 2021

Orientation Programme

- Attended Four-week Induction/Orientation Programme for "Faculty in Universities/ Colleges/Institutes of Higher Education" organized by Teaching Learning Centre, Ramanujan College, University of Delhi during 11.02.2021 – 13.03.2021.

Publications :

Departmental Publication

Monographs/manual

- Practical Manual for Introductory Plant Virology (2020) Ranjan Nath, Mohan Kumar Biswas and Bholanath Mondal
- Practical Manual for Introductory Plant Bacteriology (2020) Bholanath Mondal, Ranjan Nath and Mohan Kumar Biswas
- Practical Manual on Mushroom Cultivation Technology (2020) Mohan Kumar Biswas, Ranjan Nath and Bholanath Mondal

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- Laboratory Manual : Agricultural Microbiology (2020) Mohan Kumar Biswas, Ranjan Nath and Bholanath Mondal
- Practical Manual on Phytonematology (2020) Mohan Kumar Biswas, Ranjan Nath and Bholanath Mondal

Individual Publication

- Cultural and morphological variability among *Trichoderma harzianum* and *Trichoderma asperellum* collected from chickpea growing areas of Rayalaseema Region of Andhra Pradesh. Nagamani P, Bhagat Someshwar, Viswanath K, and Biswas M K. *Journal of Food Legumes*, **33**(2), 93-100. 2020. Print ISSN: 0970-6380. Online ISSN: 0976-2434, NAAS-4.82.
- ‘A Review on Mushroom Borne Microbes with their Harmful and Beneficial Roles’ Tanmay Ghosh and **Mohan Kumar Biswas**. *Journal of Oriental Research*, **XCI-XLII**, **51-63**. (2020) ISSN:0022-3301, UGC approved Care listed Journal
- ‘Alternaria blight of Mustard Caused by *Alternaria brassicae*:’ Anuj Mangain and **Mohan Kumar Biswas** *Alochana Chakra Journal*. 19(5),6843-6859: (2020) Print ISSN: 2231-3990, UGC approved Care listed Journal
- ‘Study of Antibacterial Activity of Chrysopogon zizanioids (vetiver) and its Antivenom Potential Aspect.’ Tanmay Ghosh; **Mohan Kumar Biswas**; Debokinandan Maity, and Pradyut Dutta. *Research Journal of Agricultural Sciences* **11**(4),889-894, (2020) NAAS-4.54, Print ISSN: 0976-1675, UGC approved Care listed Journal
- ‘Potential Impact of Biological Control Agents on Alternaria Blight in Rapeseed and Mustard’. Anuj Mangain and **Mohan Kumar Biswas**.. *Research Journal of Agricultural Sciences*, **11**(4),914-918, (2020) NAAS-4.54, Print ISSN: 0976-1675, UGC approved Care listed Journal
- ‘Edible Mushroom: A Newish Arm in Medical and Agricultural Field’. Tanmay Ghosh and **Mohan Kumar Biswas** *Wesleyan Journal of Research*, **13**(47), ISSN: 0975-1386, (2020). UGC approved Care listed Journal
- ‘Effects of Fungal Filtrates on Maize Plant Anatomy and Seedlings and Treatment with *Datura stramonium* by its Phytochemical Properties.’ Tanmay Ghosh and **Mohan Kumar Biswas**. *Journal of Maharaja Sayajirao University of Baroda*, **54**(2), (2020) ISSN: 0025-0422, UGC approved Care listed Journal
- ‘Influence of edaphological factors on *Sclerotium rolfsii* Sacc. Causing collar rot of betelvine (*Piper betle* L.) Under coastal saline zone of West Bengal.’ Garain, P. K., **Mondal, B.** and Dutta, S. *Plant Archives*, 20(1): 1943-1946. (2020) ISSN:0972-5210 (P)

- & 2581-6063 (O), An UGC Approved Journal (Group “A” of UGC-CARE List Sl. No.-365), NAAS: 4.41.
- ‘Survey of Major Diseases in Mitha Pata variety of Betelvine (*Piper betle* L.) under Coastal Saline Zone of West Bengal, India.’ Garain, P. K., **Mondal, B.**, Maji, A. and Dutta, S.. *International Journal of Current Microbiology and Applied Sciences*, 9(3): 2490-2498. (2020) DOI:10.20546/ijcmas.2020.903.285, ISSN: 2319-7692 (P) & 2319-7706 (O), NAAS: 5.38.
 - ‘Biodiversity of Medicinal Plants in Homestead garden of Bolpur-sriniketan Block of West Bengal, India.’ Thakur, N., Das, S., Singh, R. K. and **Mondal, B.** *Scholars Academic Journal of Biosciences*, 8(8): 244-248. (2020) DOI: 10.36347/sajb.2020.v08i08.003, ISSN 2347-9515 (P) & 2321-6883 (O).
 - ‘Selection of Culture Media and Laboratory Evaluation of Fungitoxicants for the Pathogen Causing Early Blight Disease of Potato.’ Bouri, U., Pal, S. and **Mondal, B.** *Haya: The Journal of Life Sciences*, 5(10): 215-219. (2020) DOI: 10.36348/sjls.2020.v05i10.004, ISSN: 2415-623X (P) & 2415-6221 (O).
 - ‘Evaluation of newer fungicides in managing the blast disease of rice in Sundarbans, West Bengal, India.’ Nath, S. and **Mondal, B.** *Plant Archives*, 20(2): 4992-4996. (2020) ISSN: 0972-5210 (P) & 2581-6063 (O), an UGC Approved Journal (Group “A” of UGC-CARE List Sl. No.-365), NAAS: 4.41.
 - ‘A Study on the Knowledge Level and Extent of Adoption of Plant Protection Measures against Blast Disease of Rice by the Farmers of Indian Sundarbans.’ Nath, S., **Mondal, B.** and Mondal, P. *Annual Research & Review in Biology*, 35(12): 84-97. (2020) DOI: 10.9734/ARRB/2020/v35i1230314, ISSN: 2347-565X, NLM ID: 101632869, NAAS: 4.79.
 - ‘Management of early blight of potato through fungicides under field and laboratory conditions.’ Bouri, U., Pal, S., **Mondal, B.** and Singh, R. K... *European Journal of Biotechnology and Bioscience*, 8(2): 31-34. (2020) ISSN: 2321-9122, NAAS: 3.04.
 - ‘Status of rice blast in Sundarban region of West Bengal, India.’ Nath, S. and **Mondal, B.** *Journal of Plant Disease Sciences*, 15(2):166-171. (2020) ISSN: 0973-7456 (P) & 0976-2388 (O), NAAS: 4.20.
 - ‘Occurrence of Diseases of Medicinal and Aromatic Plants in Homestead Garden under Red and Lateritic Zone of West Bengal.’ Thakur, N., Das, S. and **Mondal, B.** *International Journal of Current Microbiology and Applied Sciences*, 9(12): 1809-1817. (2020). <https://doi.org/10.20546/ijcmas.2020.912.215>, ISSN: 2319-7692 (P) & 2319-7706 (O), NAAS: 5.38.
 - ‘Effect of fungicides and bio-botanicals on lesion Development of late and early blight of potato in Field condition’ Middy, R., Islam, S. and **Mondal, B.** *Asian Journal of*

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Microbiology, Biotechnology & Environmental Sciences, 23(1): 73-79. (2021) ISSN-0972-3005, UGC approved journal (No. 8799), NAAS: 5.0.

- “Small scale mushroom cultivation for additional income generation”, **Vivek Kumar Khare**, *Agriculture & Food: e-Newsletter*, Vol-3, issue-3, pp. 47-49. 2021 ISSN: 2581 - 8317.

Joint authors (of the same Department)

- ‘Identification of new resistant sources against downy mildew disease from a selected set of cucumber germplasm and its wild relatives.’ Gautam Dikshant, **Nath Ranjan**, Gaikwad A. B., Bhat K. V., **Mondal Bhola**, Akhtar Jameel, Jat Gograj Singh, Iqubal Asif Mir, Tiwari Badrish and Archak Sunil *Indian J. Genet.*, **80**(4) 427-431. (2020) DOI: 10.31742/IJGPB.80.4.8. NAAS Score: 6.47

Books / Text books

- *PLANTS: Antimicrobial Potential and Role In Disease Management*. Tanmay Ghosh and **Mohan Kumar Biswas** Bangalore, H.S.R.A. Publication, No.2, Sri Annapoorneshwari Nilaya, Ist Main, Byraveshwara Nagar, Laggere, Bangalore 560058, (2020) ISBN:9-788194- 760825, pp-115.
- *Alternaria Blight of Brassicas: Identification, Characterization, Epidemiology and Management*. Anuj Mangain and **M. K. Biswas**. Jodhpur. AGROBIOS (INDIA), Behind Nasrani Cinema, Chopasani Road, Jodhpur, 342003. (2021) ISBN:978-81-949237-8-7, pp-203
- *Stresses of Cucurbits: Current Status and Management. 1st Edition*, **Mondal, B.**, Mondal, C. K. and Mondal, P. Singapore, Springer, Singapore, pp. 297. (2020). ISBN: 978-981-15-7891-8 (P) and 978-981-15-7891-5 (eBook), <https://doi.org/10.1007/978-981-15-7891-5>

Any other relevant information

The newly formed Department of Plant Pathology after bifurcation of erstwhile Department of Plant Protection has been accredited by ICAR, New Delhi for its post-graduate teaching. Two M.Sc. students achieved ICAR-Senior Research Fellowship and got admission in Ph.D. in Plant Pathology at ICAR-IARI a premier institute in the field of Agricultural Research.

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 programmes 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 programme. 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.

National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

| Sl. No. | Title of Conference /Seminar etc. | International/ National level |
|---------|---|----------------------------------|
| 1. | 27.08.2020. M. C. Kundu (2020). Presented a research paper in the National Webinar on “Agrochemicals for upkeeping environment” organized by the Society for Fertilizers and Environment in collaboration with Bidhan Chandra Krishi Viswavidyalaya. <i>Title of presentation:</i> “Boron nutrition of rice-based cropping systems”. | National |

Chapter-2

Ongoing Research Projects in the Department

| Name of the Teacher | Name of the Project | Sponsoring Agencies | Amount Sanctioned |
|-----------------------|--|---------------------|-------------------|
| Prof. Goutam Kr Ghosh | Soil Health Card (SHC) Scheme since 2016 | Centrally Sponsored | 45.85 Lakhs |

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

Gandhi punnyaha: cleaning of the department and laboratories were done by the students of the department

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

G.K. Ghosh:

- Joint Coordinator of the Project Implementation Group of DST-PURSE Project.

Y.V. Rao

- Member of the Project Implementation Group of DST-PURSE Project.

Publications :

Other books

Departmental Publication:

- Soil Health Management through Low Cost Biochar Technology. Shaon Kumar Das and Goutam Kumar Ghosh. In: Singh J., Singh C. (eds) Biochar Applications in Agriculture and Environment Management. Springer, Cham © Springer Nature Switzerland AG 2020. DOI https://doi.org/10.1007/978-3-030-40997-5_9. ISBN 978-3-030-40996-8 (Print), 978-3-030-40997-5 (Online)
- Distribution of DTPA-extractable micronutrients and their relationship with some soil properties in rice growing soils of Birbhum district, West Bengal, India. Sunandana Mandal and Goutam Kumar Ghosh. Proceedings of II. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 1-3 September, 2020, pp. 570 – 593. ISBN: 978-975-374-279-5

Departmental Publication:

- “Encapsulation, release and insecticidal activity of *Pongamia pinnata* (L) seed oil.” Aloke Purkait, Ayan Mukherjee, Dipak Kumar Hazra, Kusal Roy, Pabitra Kumar Biswas and Ramen Kumar Kole. *Heliyon* 7 (2021) e06557, www.cell.com/heliyon.
- “Removal of multiple pesticide residues from Water by low-pressure thin-film composite membrane.” Ayan Mukherjee, Romil Mehta, Soumen Saha, A.Bhattacharyya, Pabitra Kumar Biswas and Ramen Kumar Kole. *Applied Water Science* 10:44 (2020). <http://doi.org/10.1007/s13201-020-01315-y>
- “Development of nanoemulsion formulation of mustard oil, its chemical characterization and evaluation against post-harvest anthracnose pathogens.” Aloke Purkait, Rodas, Ezezew Worede; Deewakar Baral, Dipak Kumar Hazra, Birendra Nath Panja, Pabitra Kumar Biswas and Ramen Kumar Kole. *Indian Phytopathology* (2020), <https://doi.org/10.1007/s42360-020-00237-8>
“Effect of Graded Levels of Sulphur as Magnesium Sulphate on Yield and Quality of Onion (*Allium cepa* L.) in Red and Lateritic Soils of West Bengal, India.” Shreya Mondal, G. K. Ghosh and Joydip Mandal (2020). *International Journal of Current Microbiology and Applied Sciences*. 9(4): 2858-2866. ISSN:2319-7692(Print), 2319-7706(Online)
- “Valorizing biomass to engineered biochar and its impact on soil, plant, water, and microbial dynamics: a review.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Biomass Conversion and Biorefinery* (2020) 1-17. ISSN 2190-6815, 2190-6823 (online). DOI: 10.1007/s13399-020-00836-5
- “Evaluating biomass-derived biochar on seed germination and early seedling growth of maize and black gram.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Biomass Conversion and Biorefinery* (2020) 1 – 14. ISSN 2190-6815, 2190-6823(online). DOI: 10.1007/s13399-020-00887-8
- “Leaching pattern of phosphate glass fertilizers with different compositions under Soxhlet distillation conditions.” B. Mandal, G. Hazra, G. K. Ghosh and T. Das. *Cerâmica* 66: 250-255. ISSN 0366-6913, 1678-4553 (Online). DOI: 10.1590/0366-69132020663792874
- “Application of biochar in agriculture and environment, and its safety issues.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Biomass Conversion and Biorefinery* (2020), 1-11. DOI: 10.1007/s13399-020-01013-4. ISSN 2190-6815

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- “Biochar application for environmental management and toxic pollutant remediation.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Biomass Conversion and Biorefinery* (2020), 1 – 12. ISSN 2190-6815. DOI: 10.1007/s13399-020-01078-1
- “Morpho-mineralogical exploration of crop, weed and tree derived biochar.” Shaon Kumar Das, Goutam Kumar Ghosh, Ravikant Avasthe and Kanchan Sinha. *Journal of Hazardous Materials*, (2020). ISSN: 0304-3894. DOI: 10.1016/j.jhazmat.2020.124370
- “Ecotoxicological responses of weed biochar on seed germination and seedling growth in acidic soil.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Environmental Technology & Innovation* (2020) 20: 101074. ISSN: 2352-1864. DOI: 10.1016/j.eti.2020.101074
- “Compositional heterogeneity of different biochar: Effect of pyrolysis temperature and feedstocks.” Shaon Kumar Das, G. K. Ghosh, Ravikant Avasthe and Kanchan Sinha. *Journal of Environmental Management* 278(Pt 2):111501 ISSN: 0301-4797, DOI:10.1016/j.jenvman.2020.111501
- “Balanced Nutrient Management on Rice (*Oryza sativa*) in Red and Lateritic Soils of West Bengal.” Nitin Chatterjee, Gayatri Sahu and G. K. Ghosh. *Ind. J. Pure App. Biosci.* (2020) 8(5), 436-445. ISSN: 2582 – 2845
- “Root Architecture, Yield and Phosphorus Uptake by Rice: Response to Rock Phosphate Enriched Compost and Microbial Inoculants.” Kasturikasen Beura, Amit Kumar Pradhan, G. K. Ghosh, Anshuman Kohli and Mahendra Singh. *International Research Journal of Pure and Applied Chemistry* (2020) 21(19):33-39. ISSN: 2231-3443
- “Fractional Release Kinetics of Phosphorus from Compost Amended with Phosphate Rock.” K.S. Beura, G.K. Ghosh, A.K. Pradhan, A. Kohli, M. Singh, S. Shambhavi & S. Kumar. *Communications in Soil Science and Plant Analysis* (2021) Pp 1-6. ISSN: 103624. 15322416 (online) <https://doi.org/10.1080/00103624.2021.1872606>
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- “Conversion of crop, weed and tree biomass into biochar for heavy metal removal and wastewater treatment.” Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. *Biomass Conversion and Biorefinery* 2021; pp. 1-14. ISSN 2190-6815, E-ISSN 2190-6823 <https://doi.org/10.1007/s13399-021-01334-y2>

“Indigenous Traditional Tools and Implements Used in Agriculture and Allied Sector in Tripura.” Giri, U., Paul, N., Dey, D., Giri, S., & Kundu, M. C. (2020). *International Journal of Current Microbiology and Applied Sciences*, 9(05), 2102-2117. doi: <https://doi.org/10.20546/ijcmas.2020.905.241>. [ISSN: 2319-7692 (Print), 2319-7706 (Online)]

- “Enhancing groundnut productivity through integrated nutrient management and liming - a review.” Dey, D., Kundu, M. C. & Sen, D. (2020). *Innovative Farming*, 5(1), 30-33. [ISSN: 2455-6521]
- “Stock and stability of organic carbon in soils under major agro-ecological zones and cropping systems of sub-tropical India.” Basak, N., Mandal, B., Datta, A., Kundu, M.C., Rai, A.K., Basak, P., Mitran, T. (2021). *Agriculture, Ecosystems & Environment*, 312:107317. [ISSN: 0167-8809]

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- “Identification and characterization of protease(s) from *Tabernaemontana divaricate*.” Y. Vasudeva Rao & Merrine Raju. *Agriculture and Natural Resources* 2020; 54: 279-286. DOI: 10.34044/j.anres.2020.54.3.07
- “Study of Catalase, Protease, Antioxidant and Antimicrobial activities in *Tabernaemontana divaricate* latex.” Merrine Raju & Y. Vasudeva Rao. *Journal of Medicinal Plants and By-products-Jmpb* 2020; DOI: 10.22092/JMPB.2020.127797.1140
- “Herbicides: Classification, Mode of action and their Management strategies.” Sayantani Basu & Y. Vasudeva Rao *International Journal of Bio-resource and Stress Management* 2020; 11(6):518-535. DOI: 10.23910/1.2020.2069d
- “Distribution of DTPA-extractable micronutrient cations (Zn, Fe, Mn, and Cu) and its relationship with physico-chemical properties in soils of Birbhum district, West Bengal.” CP Mohammed Nisab, Mamta Sahu and GK Ghosh. *International Journal of Chemical Studies* 2020; 8(3): 253-257. ISSN: 2349–8528, 2321–4902 (online).
- “Enhancing nutrient availability, yield and quality of safflower (*Carthamus tinctorius* L.) through zinc and sulphur in Alfisol.” Nandini Roy and Goutam Kumar Ghosh. *Journal of Pharmacognosy and Phytochemistry* (2020) 9(1): 693-697. ISSN: 2349-8234, 2278-4136 (online).

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- “Effect of Balanced Nutrient Management on Blackgram (*Vigna mungo* L.) in Red and Lateritic Soils of West Bengal.” Nitin Chatterjee, Gayatri Sahu and G. K. Ghosh. *The Bioscan* (2020) 15 (4) 453-457. ISSN 0973-7049.
- “Variation of total acidity as influenced by land uses and soil depths in lateritic belt of West Bengal.” Debnath, J., & Kundu, M. C. (2020). *International Journal of Chemical Studies*, 8(3), 2449-2452. [ISSN: 2349-8528 (Print), 2321-4902 (Online)]
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Number of paper published in Peer/reviewed journals: 29

A brief history on the development of the Vibhaga concerned with an indication of the future plans for 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

PATHA BHAVANA

(Institute of Primary, Secondary & Higher Secondary Education)

Patha Bhavana is an institute of Pre-primary, Secondary and Higher Secondary Education of *Visva Bharati*. It holds a very important place in the history of *Visva Bharati*. More than a century ago, in the idyllic retreat of Santiniketan in 1901, Gurudev Rabindranath Tagore founded his school, *Brahmacharyashrama*, modelled on the *tapovana* of ancient India.

The school later grew into a university, *Visva Bharati*, in 1921. The school was an integral part of the university from the very beginning and continues to be so. It was renamed as *Patha Bhavana* in 1924. When *Visva Bharati* was made a central university and an “Institute of National Importance” by an act of the Parliament in 1951, *Patha Bhavana* was incorporated as one of its institutes.

Tagore wished to give a child the joy of freedom amidst nature in his school. Even today, classes in *Patha Bhavana* are held in the open air in the shade of trees. Facilities are there to let one’s sensitive heart feel a harmony that exists in nature and to be at one with it.

Patha Bhavana still upholds Tagore’s idea of education, which he conceived going beyond pedantic learning to add to the completeness of an individual. It is still a deviation from conventional institutions. At *Patha Bhavana* activities are designed to help children to learn the value of innovation and creativity. Students are exposed to nature study, music, dance, paintings, clay modelling, handicraft and other creative assignments along with regular subjects. Every student has to take part in the games & sports. All these are given equal importance in the learning process.

Attending weekly prayer meetings at *Upasana Griha* every Wednesday and participating in activities of *Ashram Sammilani* and festivals of the university are parts of the life of being a student of *Patha-Bhavana*.

Ashram Sammilani is an institution designed by Tagore for inculcating self-governance in students. It has several wings, namely, *Sahitya Vibhaga (Literary wing)*, *Seba Vibhaga (Social Service)*, *Paribesh Vibhaga (Environment)*, *Sasthya Vibhaga (Health)*, *Krira Vibhaga (Sports and Games)*, *Aharjya Vibhaga (Food and Refectory)* and *Sakha Sangha (Cultural wing)*. Apart from lessons in self-discipline and self-reliance, the activities of *Ashram Sammilani* contribute to the holistic development of a child.

Even after a century, *Patha Bhavana* continues to uphold and practise Tagore’s vision of education for fullness. As a part of its vision plan, *Patha Bhavana* looks forward to upholding an alternative method of education, where complete and overall development of

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the child is ensured through creative activities, in-depth research work along with hands on experience in “learning through doing” and generation of knowledge, replacing mundane repetitive gathering of information. Joy, freedom and co-operation, are its basic principles.

Patha Bhavana is primarily a residential school, though there is a facility to study as a day scholar. It imparts education from kindergarten to Class XII. A child is admitted at 4+ years to Mrinalini Ananda Pathshala, the kindergarten unit of Patha Bhavana, established in 1954 and named after Tagore’s wife Mrinalini Devi. The students appear in School certificate Examination and Pre-Degree Examination after completion of Class X and Class XII respectively. At present the total number of students of Patha-Bhavana is 1156 out of which 352 are residents and 804 are day scholars.

National and International Standard (Conferences / Seminars / Workshops /Exhibitions etc. attended by Teachers in details.

A. Priti C. Nartiang

1) **Bharat" -**

To commemorate the 151 birth anniversary of Mahatma Gandhi organised an Online Art work Workshop and Exhibition on 2 October 2020 organised by **NGMA** (National Gallery of Modern Art) **New Delhi**.

2) Title-"**Gandhi Jayanti**", solemn observation of the 150th Birth Anniversary of Mahatma Gandhi was held at **Riti Academy, Shillong** on 2 October, 2020 with the online Seminar and Exhibition.

B. Bodhirupa Sinha

1. 24.04.2020: Delivered Talk on All India Radio entitled “ Mental wellbeing of children During Lockdown” Organized by “All India Radio”
2. 16.09.2020: Delivered Lecture Virtually as Guest Speaker entitled “Creation of a Complete Human Being through Learning with Joy” Organized by: “Soulful School”, Master class on Alternative Education, New Delhi.
3. 01.02.2021: Delivered Lecture Virtually as Guest Speaker entitled “Tagore’s Philosophy of Education” Organized by “Tata Institute of Social Sciences”, Mumbai.
4. 11.04.2021: Attended Two-Day Workshop Virtually entitled “Why Schools Matter” Organized by: “INSPIRE”, Future School Leaders, New Delhi.

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

- i.) Virtual Sahitya Sabha through Zoom Meeting App on 26th March, 2021
 - ii.) Web-seminar on “How to Combat Mental Stress of Students Caused by Covid-19 Pandemic”
- Activities of *Ashram Sammilani*, a Students’ Self Government
 - Online Sahitya Sabha in Patha Bhavana

SIKSHA-SATRA

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

Siksha Satra has an active NSS group. However, the Covid-19 Pandemic in 2020 did not allow routine NSS & cultural activities during the entire Academic Session.

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

Siksha Satra is a Senior Secondary School under Visva-Bharati located in Sriniketan, Birbhum, West Bengal. The 'Poet's School' was established in 1924 with the primary objective 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 Santiniketan which are everyday becoming more and more like so many schools 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.

In respect to objective, curriculum, pedagogy and methodology, Siksha-Satra today functions as a non-residential institution parallel to the other institutes 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 the Pre-Degree Examination after Class-XII conducted by Visva-Bharati. Apart from formal education, students in Siksha-Satra also learn weaving, wood work, agriculture, artistic handicraft, painting, dance, modelling and music. Exposure to various curricular activities in school plays a vital role to nourish the concept of complete education among the students.

We are all aware of the devastation of the pandemic Covid- 19 that was unleashed all over the world. As a result offline classroom teaching at Visva-Bharati came to a halt from 14 March 2020. Consequently, the year-long activities of students got severely hampered in 2020. However, the teachers of Siksha-Satra have carried on teaching and successfully conducted

examinations through regular online classes.

In January 2020, the students of class XI had been to Gangtok and its surrounding areas for their annual study tour. On 20th January the teachers and students paid homage to Maharshi Debendranath Tagore. Annual Sports Day, picnic. Gandhi Pannahya had been celebrated wholeheartedly. The students sang songs in Halakarshana, Shilpotsaba and Sriniketan Barshik Utsava. The senior students (from class IX to XII) and the middle school students (from class V to VIII) have published the E-magazines entitled Annwasha and Oitijhya respectively. The theme of Annesha was the forced confinement. An online debate had been organized by the students of class X. The topic was Online Teaching and Learning.

On 11 November, the birthday of great freedom fighter and erudite Moulana Abul Kalam Azad, we have observed National Education Day as per the announcement by the Central Government. On this auspicious day the students have participated in an online essay competition on the life and works of Moulana Abul Kalam Azad. On 3 December 20 students of class X took part in the celebration of Agriculture Education Day at Palli Siksha Bhavana.

During the academic session 2020 the N.S.S unit of Siksha-Satra successfully joined the march past on the Republic day and the Independence Day. An Awareness Camp was organized by Siksha-Satra N.S.S. unit on 6 March 2020. The N.C.C cadets from Siksha-Satra acted as pilots in the march past. Kazi Nisha Parvin of class VII stood 3rd in the best cadet category under 50 Bengal Battalion Wing. Covid situation did not allow the NCC cadets and NSS group to undertake their usual activities.

This year four Pre-Degree students from Siksha-Satra have qualified in JEE and Medical Entrance Examination and accordingly taken admission in Kharagpur. Roorkee and Guahati ITT and North Bengal Medical College.

May our current state of confinement be over soon, may the entire world be freed from the curse of the pandemic, may the children return to the open space of nature once again, may the world wide death toll cease- these are our earnest prayers.

Future Plans

Siksha-Satra aspires to become one of the leading centres for school education. It envisages some major initiatives like provisions for residential facilities for the students, upgrading 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. Siksha-Satra proposes to procure modern equipments for upgradation of Science Laboratory.

- **Smart Classroom:** We have plans to introduce Smart Class teaching once the academic session resumes normalcy. We hope to overcome this pandemic situation soon so that Smart Class teaching can be introduced without delay. A preliminary set-up has already

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been installed with necessary devices. The demonstration session for teachers will be organized shortly.

- **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. A 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.

AGRO-ECONOMIC RESEARCH CENTRE

National and International standard Conference/ Seminar/ Workshop/ Exhibition etc.:

During 2020-21, due to Covid the Centre could not organise the project workshop but the staff of the centre did attend a few webinars/seminars and online workshop/conferences organised by the AER Division, Ministry of Agriculture and Farmers Welfare, Government of India; ADRTC-ISEC, Bangalore; ICAR-NIAP, New Delhi; Govt. of Tripura; etc.

Participation & Presentation of papers by the staff of AERC, Santiniketan

| Sl. No. | Name of the Conference/ Seminar/ Workshop | Period | Venue | Participants/ Presentation |
|---------|--|----------------------|--|---|
| 1 | 28th Annual Conference of Agricultural Economics Research Association (AERA) | 16-18 December 2020. | University of Agricultural Sciences, Bangalore | B. C. Roy (Co-chaired the Technical Session) |
| 2 | Webinar on Agro-Economic Research Centres | 8 December 2020. | AER Division, MoA&FW, GoI, New Delhi | B. C. Roy (Presentation on AERC studies) |
| 3 | Webinar on Agricultural Performance Indicators | December, 2020 | ADRTC-ISEC, Bangalore; | B. C. Roy (Invited Lecture) |
| 4 | Brainstorming Workshop on Continuous Village Survey Study | May, 2020 | NIAP-ICAR, New Delhi | B. C. Roy (Invited Lecture) |
| 5 | International Webinar on Ancient Buddhist Education System | 7 December 2020. | University Bt & Evening College, Cooch Behar | P. Roy (Invited Lecture) |
| 6 | International Webinar On Contemporary Environmental Issues and | 19 December | Department of Geography & IQAC, Gazole | P. Roy (Chaired the Technical |

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|---|---|-----------------|---|--------------------------|
| | Challenges from Multidisciplinary Standpoint: Sustainable Development at The Crossroads | 2020 | Mahavidyalaya, Malda | Session) |
| 7 | Adwaita Mallabarman Award Ceremony Festival | 1 January 2021. | Department of Sc Welfare, Govt. Of Tripura | P. Roy (Invited Lecture) |
| 8 | Adwaita Mallabarman Birth Anniversary Programme | 2 January 2021 | Department of Culture and Information, Govt. Of Tripura | P. Roy (Invited Lecture) |

On-going Research Projects in the Department

| Sl. No | Name of the Project Co-ordinator/ Team Leaders | Name of the Project | Sponsoring Agency | Amount Sanctioned |
|--------|--|--|--|-------------------|
| 1. | Prof. B. C. Roy Dr. Debjit Roy | Impact evaluation study on Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in Sikkim. | | |
| 2. | Prof. B. C. Roy Dr. R. K. Biswas | Assessment of feed and fodder in West Bengal | Ministry of Agriculture and Farmers Welfare, Government of India | Rs.233.00 lakh |
| 3 | Prof. B. C. Roy Mr. D. Majumder | Village Survey Study in West Bengal | | |
| 4 | Prof. B. C. Roy Mr. K. S. Chattopadhyay | Assessment of ratio of different products/forms of Spices being marketed: Study based on Ginger and Turmeric in Sikkim | | |

- 5 Mr. D. Majumder Agricultural Performance
Mr. K. S. Indicators for NITI Ayog
Chattopadhyay

Extension activities/NSS/Cultural and other activities organised by the Department

Besides organizing workshop and seminar, the Honorary Director, AERC regularly took part in district and state level expert group meetings, and delivered invited lecture organised by the Department of Agriculture, Government of West Bengal. The researchers of the Centre also regularly participated in various outreach and extension programmes in All India Radio (FM 103.1) and Doordarhan Broadcasting Programme of the following:

Bidhan Chandra Roy

- Expert in live-phone in programme on “Central Government Schemes and Initiatives for the Welfare of Farmers” Kisan Vani, Prasar Bharati, All India Radio, Santiniketan on 02.05.2020.
- Expert in live-phone in programme on “Pradhan Mantri Garib Kalyan Yojana’ Kisan Vani, Prasar Bharati, All India Radio, Santiniketan on 18.08.2020.
- Jute Economy in India- Issues & Challenges, (State Level Officers Training under National Food Security Mission, West Bengal; Krishi-Bhavana, Berhampur, Murshidabad on 25.09.2020.
- Doubling Farm Income: Myth and Realities, (State Level Officers Training under National Food Security Mission, West Bengal; Office of the SDA, Bolpur on 31.12.2020.
- Marketing & Trade in Potato with special reference to Potato Export Zones in West Bengal; State level training meeting, Bolpur on 03.02.2021.
- Rabindranather Krishi Bhavna o Sriniketaner Tatparya, As Acharya in the Weekly Mandir, Visva-Bharati, Santiniketan on 10.02.2021.

Publications :

Books

- P. Roy, Sk Rashidul Haque & Afazuddin Sk (2021). Teaching Techniques and Learning Style: Of Geography in School Education, Lap Lambert Academic Publishing, Germany, Isbn-978-6203306088

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- P. Roy, Afazuddin Sk, & Sk Rashidul Haque (2021). Education and Sustainable Development: In Thoughts of Rabindranath Tagore, (25 January 2021), Prohlad Roy, Afazuddin Sk & Sk Rashidul Haque, Lap Lambert Academic Publishing, Germany, Isbn-978-6203306088

Book Chapters

- P. Roy (2020). Problem in India Languages and Education System, Arnab Enterprises, New Delhi, Isbn-978-81-93658-55-0
- A.Mondal & P. Roy (2020). Inter-Relationship Indigenous Knowledge and Sustainable Development: A Review of Bolpur Subdivision, Arnab Enterprises, New Delhi, Isbn-978-81-93658-55-0

Monogram

- Roy, D and Majumder, D. (2020). Improving Water Use Efficiency in India's Agriculture: The Impact, Benefits and Challenges of Micro-Irrigation under the Pradhan Mantri Krishi Sichai Yojana: Per Drop More Crop (PMKSY-PDMC) in Sikkim; Study No.-190, Agro-Economic Research Centre (For the States of West Bengal, Sikkim and Andaman & Nicobar Islands), Visva-Bharati, Santiniketan, West Bengal; pp-xxiii+74
- Roy, B. C.; Mondal, B.; Majumder, D.; Biswas, R. K. and A. Roy (2020). Assessment of Livestock Feed and Fodder in the State of West Bengal; Study No.-191, Agro-Economic Research Centre (For the States of West Bengal, Sikkim and Andaman & Nicobar Islands), Visva-Bharati, Santiniketan, West Bengal, pp.-xi+94

Research Papers

- Giri, D.; Roy, B. C.; Sarkar, D. and Das, S. (2020). Constraints of Bio-based Farming System: A Study in Hooghly and South 24 Parganas Districts of South West Bengal, Innovative Farming, www.innovativefarming.in, 5(2):103-109.
- Jai Prakash and B. C. Roy (2020). Growth and Instability in Wheat Prouction: A Temporal Analysis in Santal Region of Jharkhand. *Agro-Economist-An International Journal*, AAEBM, 7(1): 25-29 (ISSN: 2350-0786 and 2394-8159).
- Datta, V.; Chattopadhyay, K.S.; Roy, D. and Majumder, D. (2020). An Economic Analysis of Protected Cultivation under MIDH in Sikkim; *Agricultural Situation in India*, Government of India, April 2020, Vol. LXXVII, No.01, pp-38-41 (ISSN: 0002-1679)

- Roy, D. and Majumder, D. (2020). Improving Water Use Efficiency in India's Agriculture: The Impact, Benefits and Challenges of Micro-Irrigation under the Pradhan Mantri Krishi Sinchayee Yojana: Per Drop More Crop (PMKSY-PDMC) in Sikkim; Agricultural Situation in India, Government of India, November 2020, Vol. LXXVII, No.08, pp-28-34 (ISSN: 0002-1679)
- Roy, P. and Siddique Wasim (2020). Prince Dara Shikoh: A Diverse Hero In The Complex Socio-Culture Situation Of 17th Century Mughal, Khoai, UGC Approved And Reviewed Journal, UGC Care Listed, ISSN: 2319-8389, Vol-41, Issue-41, 23rd December 2020, Santiniketan, Birbhum, West Bengal, India.
- Roy, P. and Punam Pradhan (2020). Educational Implication During the Transition of Gorkhaland Movement From 1986—2017, Gorteria, UGC-Care List Journal, ISSN: 0017-2294, Vol -33, Issue -12, December, 2020(1st Author).

Number of paper published in Peer/reviewed journals: 6

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

The agricultural sector being the main source of livelihood in India, was given high priority in economic planning and development in the country with a number of schemes and programmes. For successful implementation of these schemes and programmes, it was felt that region specific problems related to agriculture and allied sector need to be studied for having appropriate feedback from the grass-root level.

The Agro-Economic Research Centre for East India was established in 1954 at Visva-Bharati in tune with the University's long tradition of research in agricultural economics centering around the rural reconstruction programme of Rabindranath Tagore at Sriniketan. The main planks of activities of these centres initially included conducting continuous village surveys, studies, investigations of the fundamental problems being experienced in an agricultural economy and rural development as also to provide technical advice to the central as well as state governments on the issues referred to by them. With the passage of time and with a large number of villages surveyed and resurveyed, the Centre finally switched over to problem-oriented studies, rather than, policy oriented studies. At present, the Centre has been operating in an area which comprises the whole of West Bengal, Sikkim and Andaman Nicobar Islands.

The Centre became permanent in May, 1990 and stands integrated with Visva-Bharati with effect from April 1995 and being treated as a special centre by the recent amendment of statute by the visitor (Honourable President of India) of Visva-Bharati. Since its inception, the centre has been functioning within the Visva-Bharati University, its affairs being governed and

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managed by the University. The centre is sponsored by annual grants-in-aid from the Ministry of Agriculture and Farmers' Welfare, Government of India, New Delhi.

By 2020-21, this Centre had completed more than 191 studies covering a wide spectrum of subjects pertaining to agricultural growth and development which inter-alia include investment, subsidies, livelihoods, credit, marketing, farm inputs, co-operation, food economics, fisheries, agro-rural industries, etc

Any other relevant information

The Centre was selected as a National Coordinating Centre for Village Survey Studies to be undertaken by all the AERCs/AERUs in the country. As part of this, the Centre organised two national level workshop, with participants from all the participating AERCs and AERUs in India as well as experts from Ministry of Agriculture and Farmers Welfare. The Centre also prepared the study design, chapter design & table designs for the Village Survey Study and shared with all the participating AERCs/AERUs in the country. The Centre also reviewed the draft reports prepared by the participating AERCs/AERUs and sent our comments to revise the drafts. In spite of Covid and manpower shortage, the Centre submitted quarterly reports on Agricultural Performance Indicators for the state of West Bengal for NITI Ayog (co-ordinated at National Level by ADRTC-ISEC, Bangalore). Dr. P. Roy, Deputy Director (In-charge), received Dr. Abdul Kalam Memorial Award for The Year 2021 as Innovative Researcher Organized by Society for Research in Education & Extension (Sree) Bhopal & J.S.E.E. Chennai.

OFFICIAL LANGUAGE (RAJBHASHA) CELL

To implement the Official Language Policy of the Government of India in Visva-Bharati, the Rajbhasha Cell was established in March, 1993.

The Rajbhasha Cell has two broad programmes, viz.

1. Implementation Programme
2. Training Programme

1. Implementation Programme

It is the administrative part of the Cell. The Rules and Regulations relating to implementation of the Official Language (Rajbhasha) Policy issued by the Govt. of India from time to time are implemented as prescribed for Region "C" to which Visva-Bharati belongs. The Cell also extends Support to other departments in translation matters.

2. Training Programme

The first programme of policy implementation of the Govt. of India is the compulsory training in Rajbhasha Hindi to all the Non Hindi speaking staff from grade C onwards for acquiring working knowledge in Hindi. Visva-Bharati has been participating in this programme since July, 1994. Visva-Bharati has a full time Centre for training in Rajbhasha Hindi in the premises. Visva-Bharati has also incorporated the staff-members of the other Central Govt. Organisations located at Bolpur for training in Rajbhasha Hindi for acquiring working knowledge in Hindi from July-December, 2001. It was non-functional from 2002 to 2005. It commenced functioning again from 2006 onwards.

Activities:

- i. Under the training programme 10 Staff-members have completed (Pragya) the prescribed courses of Hindi Teaching Scheme of Govt. of India conducted at Visva-Bharati, Santiniketan Centre during the year 2020.
- ii. OLIC Meeting – Organized on 06.03.2021 in Conference Hall, Central Library, Visva-Bharati.

RABINDRA-BHAVANA

The work of Rabindra-Bhavana was initiated soon after Rabindranath's death on 1st July, 1942 inside Udayana building in Uttarayana complex under the guidance and patronage of Rathindranath Tagore who donated his father's entire belongings including books, manuscripts, paintings and memorabilia for the development and formation of a Tagore research centre and Museum in Uttarayana Complex, Santiniketan. Soon the necessity of a separate building was realized and Vichitra building or Rabindra- Bhavana was inaugurated by Pandit Jawaharlal Nehru in the birth centenary year of Tagore in 1961. Gradually Rabindra Bhavana has become the greatest repository of Rabindranath's manuscripts, photographs, paintings and personal belongings and attracts tourists and Tagore scholars from India and abroad. It comprises an Archive, Library, Photo Archive and Reprographic Unit to cater to the needs of Tagore researchers and scholars throughout the year. The Museum with its galleries and artifacts exhibits important information on life and works of Tagore and his illustrious family. So the galleries and the five residential houses of Tagore inside Uttarayana complex have been the focal point of attraction for tourists all over the world. The Preservation Unit has been established to restore and conserve Tagore manuscripts, rare books, periodicals and paintings. Santiniketan Griha built in 1863 by Maharshi Debendranath Tagore happens to be the oldest building in Santiniketan and was converted into a museum by Rabindra Bhavana and Visva Bharati in 2008. Lipika Manuscriptorium which has a rich collection of manuscripts of ancient and medieval period falls under the jurisdiction of Rabindra Bhavana administration. Due to the outbreak of COVID-19 pandemic the institution was forced to remain closed and the day to day regular work with its scholar service, public display of museum with its galleries and conservation processes were postponed for indefinite time period. The detail of the works performed by these units furnished by the Departmental officers in the financial year 2020-21 is furnished below:

MUSEUM

Rabindra-Bhavana Museum is a biographical museum on Rabindranath Tagore with a huge collection of 4385 memorabilia and artifacts as on 31.03.2021 of which 20% (approx) are displayed in different galleries and rest are preserved in Museum Store and Strong Room. The main gallery emphasizes the Life and literary works of Rabindranath and is located on the 1st floor of the Vichitra building. The Gitanjali Gallery on the ground floor of Vichitra is a special gallery on Rabindranath's Nobel-winning book of poems *Gitanjali*. Apart from the six historical houses of Rabindranath and his family at Uttarayana for public display, Rabindra-

Bhavana has arranged two galleries on the life of Rabindranath's father Maharshi Debendranath Tagore (*Debendra Kaksha*) and his eldest brother Dwijendranath Tagore (*Dwijendra Kaksha*) at the Santiniketan Griha. Two separate galleries on the 'life of illustrious ladies of Tagore family' (*ঠাকুরবাড়ির সীমন্তিনীরী*) and 'Brahma-Vidyalyaya to Visva-Bharati' (*ব্রহ্মবিদ্যালয় থেকে বিশ্বভারতী*) have been inaugurated on 16th August 2020 by Honourable Governor of West Bengal and Rector, Visva Bharati, Shri Jagdeep Dhankar to commemorate the death anniversary of Tagore. Besides, *Guhaghar* which was the studio of Rabindranth's eldest son Rathindranth Tagore who was a great artist in his own right has been converted into a museum for displaying the paintings and artifacts created by him.

Exhibitions and Special Lecture Organized by Rabindra-Bhavana

Due to Covid- 19 situation the museum gallery was closed and we did not get any scope to organize any exhibition and special lecture.

Special Visitors:- Last year Rabindra-Bhavana was totally closed for visitors. Only Special visitors like the Education minister of India, the Minister of Home affairs of India, the Governor of Bengal visited our Rabindra-Bhavana.

Digitization and Physical Verification: With our normal responsibility we are doing digitization of museum objects and paintings of Rabindranath Tagore and other than Rabindranath Tagore with Physical verification.

ARCHIVES

Rabindra-Bhavana Archives 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. Total 50 Academicians and Researchers from different parts of the country and abroad visited the Archives during this financial year (2020-21). Presently the unit is serving the academicians and scholars by providing digitized images (DVD, JPEG and TIFF Image) for research purpose and exhibitions. Original documents are being preserved in the Rabindra Bhavana in an environment controlled strong room.

To make the Archive more scholar- friendly Smart card (Card printed by Sri Priyabrata Roy, Data Entry Operator, Rabindra Bhavana) for every scholar had been introduced in July 2018. Separate files for each scholar have been prepared; Ten (10) computer terminals have been connected through N- computing device, digital photographs of AV unit of Tagore and

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others have been shown to the scholar as Archival service, Additional photocopies (Xerox) of archival materials and 'Patha Bhavana Protibedan khata' are getting scanned through overhead official scanner. The Archive is providing Temporary registration on urgent basis to scholars for a few days of a week. Besides this Rabindra Bhavan's Library digital collection is storing in archive's server. The Unit has already completed the first part of descriptive cataloguing of Additional Collections earlier (Catalogue- 15). The Unit is in the process of cataloguing the second part of Additional Collections. A revised edition of Catalogue - 13 (Abstract Catalogue) is also being prepared for publication. Rabindra Bhavana Archives organizes a series of in-house exhibitions on the life and works of Rabindranath by selecting and providing materials. Listing and cataloguing of Copy-Files (containing photocopies of archival materials received from various sources) is also under progress.

Due to Covid-19 the University had to stop the Archival scholar service from 23 March 2020 to mid-September and in December 2020 the service resumed, maintaining all Covid protocols. Maximum five scholars were allowed to work in the archives through e-mail permission. Gradually it was noticed that the number of scholars in the archives has been reduced.

Although the presence of scholars has become less in the archive, Rabindra Bhavana Archives is engaged with lot more other important work which have been listed below.

Service rendered :

| <i>Sl. No.</i> | <i>Description</i> | <i>Activity/Remarks</i> |
|----------------|---|--|
| 01 | Registration of Smart card | 20 |
| 02 | Temporary Registration | 06 |
| 03 | No. of scholars in Archive | 115 |
| 04 | Mobile/e-mail information rendered to Scholars/Researchers/users at different times. | 75 occasions |
| 05 | Nos. of Manuscripts cleaned | 150 |
| 06 | Print-outs given to official purpose/ users. | 1200 |
| 07 | Nos. of images from JPEG transferred in CD/DVD/Pen drive for Scholars/ Researchers/ Official Purpose. | 100 |
| 08 | Scholars service on Photos and Paintings | 10 |
| 09 | Monitoring of the Strong Room/ Recording & monitoring of relative humidity and temperature. | At least 02 times on each working day. |
| 10 | Scan of copy file of archival material | 200 files |

| | | |
|-----|--|----|
| 11 | Digital photograph shown in archive | 12 |
| 12, | Scan of Library and Lipica materials | |
| 13. | Print out given on demand | |
| 14. | Unit maintained of every official works | |
| 15. | Maintained of archival materials in the Strong Room | |
| 16. | Recording of Acquisition Register | |
| 17. | Digital painting transferred through Archives e-mail | |

AUDIO VISUAL & REPROGRAPHIC UNIT

The Reprographic & Audio- Visual 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 DV cassettes of Video Coverages. Films depicting Rabindranath and Santiniketan which are based on Tagore's stories and poems are preserved here. Gramophone Disc and audio-cassettes of Tagore's songs 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 Rabindranath's paintings of the Bhavana collection. We have also the high quality digital images of Tagore's painting collection of 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 have also documented the Photo and Video coverage of VVIPs, who are visiting Visva-Bharati which is also part of our responsibility. In recent past we covered the visit of the Honorable Prime-Minister of India **Shri. Narendra Modi** (Virtually), the Honorable Home Minister of India **Shri. Amit Shah**, the Honorable Education Minister of India **Shri. Ramesh Pokhriyal (Nishank)**, the Honorable Governor of West Bengal **Shri. Jagdeep Dhankhar**, etc.

Digitization processes of Photo Section are going on. The photographs of Rabindranath, his family and other eminent personalities of national and international reputation are a growing part of the photo-section collection. The work of a digital descriptive data catalogue of the photo archive holdings has started and it is in progress. This catalogue helps the scholars to search photographs in a more versatile manner. Now digitization of the museum objects and paintings are in process.

All our holdings are treasures of National importance. It is our duty to preserve it in a proper manner. Our day to day coverage and other work make the treasure richer day by day which is a very important part of Visva-Bharati because it is not only a treasure but the living

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wealth of our culture, custom, ritual, festival, history and idealism of Gurudev Rabindranath which should be transferred and preserved audio-visually for future generations.

Unit's routine work (Reprographic and Audio-Visual Unit):

| | |
|---|--|
| 1. Audio recording (V.B function and festivals, including the V.B Lecture Series & seminars): | 1800 Minutes |
| 2. Video recording (V.B function and festivals, Events etc.): | 2300 Minutes |
| 4. Video recording (Different enquiry committees of VB whereas no copy kept at RB AVU to maintain confidentiality) | 2000 Minutes(Approx.) |
| 3. Still Photography (V.B function, festivals & other programmes): | 9,705 Images |
| 4. Digitization of Museum objects: | 121 Objects & 1074 Images |
| 5. Audio-Video service rendered to the scholars: | 950 Minutes (Approx.) |
| 6. Print Issued from Rabindra Bhavana A/V Unit: | 150 Numbers(Approx.) |
| 7. Photograph/Book/Negative Scanned or Digitised: | 214(Photos or Negatives) + 1314(Books) Images |
| 8. Arrangement of Audio Visual Equipment for Different programmers of Rabindra Bhavana & Visva-Bharati: | 2000 Minutes (Approx.) |
| 9. Digital Audio-Visual Clip given to Scholars: | 55 Minutes |

Unit's routine work (Photo- Section):

| | |
|---|---------------------------------|
| 1. Number of scholars attended: | 26 Individuals, 1850 Minutes |
| 2. Digital images on CD/Pen Drive/E-mail given to Scholars: | 132 Numbers |
| 3. Digital images given to different departments of VB: | 205 Numbers |
| 4. Descriptive Catalogue of Photo archive collection: | 6 Files 69 Images |
| 5. Digital images (archival) given for RB exhibition & gallery: | 69 Images |
| 6. Description of Photographs (archival) given to Scholars: | 406 Numbers |
| 7. Prepare One Catalogue (Printed Version) of all Photographs of Japan. | 240 Images |

8. Photographs Indexing of Photo Archive Collection in
Microsoft Access: **177 Images**
9. Photographs Encapsulation: **191 Images**
10. Physical Verification of Photographs Folder Wise: **44 Files 611 Images**

RABINDRA BHAVANA LIBRARY

PART: - A

1. Acquisition of Documents:

| Name of the Items | | Book | Manuscripts Periodicals | Other (Excluding Periodical) Pamphlets |
|---|------------------|-------------------|----------------------------|--|
| Number at the | | | | |
| Beginning of the Year (01.04.2020) | | RB48743 | 13955 | 1987 |
| Added during the Year | Purchased | 72 | 34 | - |
| | Gifted | UG2164-UG3151=988 | 52 | 727 |
| End of the Year (31.03.2021) | | RB48814 | 14040 | 2713 |

2. Numbers of Books and Journals in the Library as per the year 2020-21:

| Sl. No. | Items | 2020-21 | |
|--------------|---|-------------|-------------|
| | | Books | Periodicals |
| 1 | Rabindra Sahitya & Reference Books etc. | 1060 | 86 |
| Total | | 1060 | 86 |

3. Number of Books and Journals acquired in the Year 2020-21 according to Languages:

| Sl. No. | Languages | 2020-21 | |
|--------------|--------------------|-------------|-------------|
| | | Books | Periodicals |
| 1 | English | 610 | 32 |
| 2 | Hindi | 06 | - |
| 3 | Regional / Bengali | 440 | 54 |
| 4 | Others | 04 | - |
| Total | | 1060 | 86 |

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4. Periodical Status during 2020-21:

| | |
|---|---------------------------------------|
| Current titles of periodicals subscribed during the year (Please enclose the list, in a separate sheet) | Title of periodicals received as gift |
| Annexure I | None |

PART:- B Fund and its Utilization:

1. Budget head wise Allocation & Expenditure during 2020-21:

| Budget Head | Amount Sanctioned (Rs.) | For Books | | For Periodicals | | Amount spent for Furniture* Rs. |
|---|-------------------------|------------------------|------------|--|------------|---------------------------------|
| | | No. of Books purchased | Amount Rs. | No. of Periodical titles subscribed | Amount Rs. | |
| Annual Grant (Capital) | 30,000/= | 72 | 32,440/= | | | |
| Revenue Budget | 45,000/= | | 46,024/= | | | |
| In case of receiving/procuring furniture, Computer(s)etc. from Central Library, please mention items, numbers, date of received only. | | | | Received one, i3 Laptop of Hp from Central Library on 22.01.21 | | |

2. Status of Catalogue processing of Library Collections:

| Library Collections | Volumes catalogued during the year 2020-21 | | Volumes pending to catalogue during the year 2021-22 | |
|---------------------|--|---------|--|---------|
| | Manual | Machine | Manual | Machine |
| Books | | 1324 | | 875 |

PART: - C Library Use during the Year 2020-21:

1. Regular Library members & pattern of Library Use (in Figures only)

| Users nature | Teachers | Scholars | Students | Staff | Others including V.B. members | Grand Total |
|--------------------------|-----------|------------|-----------|-----------|-------------------------------|-------------|
| Total Registered members | 56 | 318 | 26 | 13 | 24 | 437 |

2. Services offered to the Users (categorically) during the year 2020-21:

| Services | Teachers | Scholars | Students | Staff | Others including V.B. members | Grand Total |
|--------------------|--------------------------------------|------------|-----------|-----------|-------------------------------|--|
| Issue | | | | | | May be retrieved by CL, from the LibSys |
| Return | No issue return in RB Library | | | | | |
| Reference Services | 15 | 156 | 25 | 02 | 02 | 200 |

3. Distinguished Visitors / Users (Non-members, in figures only)

| International | National / other States | West Bengal | Refresher Course Participants | Temporary users (Students) | Temporary users (Scholars) | Any others |
|---------------|-------------------------|-------------|-------------------------------|----------------------------|----------------------------|------------|
| 02 | 02 | - | - | 02 | 04 | - |

Part E: - Publication and Seminar/Conference, Workshop attended by the Library staff

Part F: - Floor Space of the Library (Sq. meters.): 508.365 Sq Mt

Part G: - Is there separate provision for Reading Room? Yes

Part H: - Information for Physical Verification:**

| Volume of documents Physically Verified during the year 2020-21 | Status of Verification report | Volume of documents to be Physically Verified during the year 2021-22 |
|---|-------------------------------|---|
| 5847 | | 7556 |

** In case of Physical verification of Library Documents, all are requested to complete verification at least 20% of collections in each year as per the guidance of GFR, Govt. of India.

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Part A

SI No 4. Periodicals purchased at Rabindra Bhavna Library 2020-2021

দেশ (সাপ্তাহিক)

বইয়ের দেশ

শারদীয়া আনন্দবাজার

শারদীয়া বর্তমান

শারদীয়া দেশ

শারদীয়া কৃতিবাসী

শারদীয়া পত্রিকা

শারদীয়া কথাসাহিত্য

শারদীয়া প্রতিদিন

শারদীয় কলেজস্ট্রীট

শারদীয়া এইসময়

শারদীয়া আজকাল

শারদীয়া মাসিক বসুমতী

Part E:

Publication and seminar

Sabahat Nausheen

- 1) 03.10.2020-04.10.2020: Presented a paper in the Two-Days International Webinar on “ Pandemic Pedagogy: Teach from Home, Students At Home” organized by the Universal Briefing ,Kolkata, West Bengal.. Title of the presentation “In need of Libraries indeed”
- 2) 07.10.2020- 20.10.2020: Qualified 24th Refresher Course in Library and Information Science, from. UGC-Human Resource Development Centre, University of Mysore, Karnataka with Grade A
- 3) 24.11.2020: Awarded PhD Degree, VB.
- 4) 28.12.2020 - 10.01.2021: Qualified in Refresher Course in Library & Information Science from HRDC, Gauhati University, Guwahati with Grade A.
- 5) “Choice is yours: Dinosaur or Phoenix”, Sabahat Nausheen & Dr Md Ziaur Rahman, in *Together Towards Tomorrow: Role of Persian ,Marathi,Hindi and other Languages for sustainable Development* ed Dr Md Faique. New Delhi: Arnab Enterprises, 2020, pp 10-16. ISBN 978-8193658-55-0.

PRESERVATION UNIT

This Unit takes care of the conservation requirements of old archival materials, rare and brittle and torn books and museum objects. Fumigation, pagination, de-acidification, tissue lamination, tissue repair and binding of books are carried out in this Unit.

Particulars of work done in the financial year-2020-21

| Sl. No. | Type of Particulars | Total Number of Books/ Others | Total Number of pages | Total Number of sheets | Treatments |
|---------|--|----------------------------------|-----------------------|------------------------|--|
| 1 | Tissue Lamination | - | 120 | - | P.H. Test, Deacidification and applied conservation process |
| 2 | Archival Book Binding(Leather) | - | - | - | Archival Binding Process (Leather) |
| 3 | Book Binding (Board with cloth binding) | 150 | - | - | General Binding Process. |
| 4 | News Paper Clippings | - | - | - | Mark wise cutting date, pasting on handmade paper and mark by seal and number. |
| 5 | Binding Paper Clippings | - | - | - | - |
| 6 | Miscellaneous works, day to day stitching for entire Bhavana's requirements and occasionally helping the sales counter | 25 (approx) | - | - | - |

RESEARCH

1. Preparation of four volumes of Kalanukramik Rabindra Patrabali : 1878 -1912, including collection of letters from archives and library, editing and proof reading.
2. Composing old handwritten journals by students, teachers and Ashramites of Santiniketan Brahmacharyasrama: Bagan (Work is completed), Shanti (Work under progress).
3. Typing of hand written manuscript of a Bengali dictionary acquired from Lipika Manuscriptorium.
4. Typing, Editing, and proof checking of correspondences between Nirmalkumari Mahalanabis and Rabindranath for next volume of *Chithipatra* vol. 20 is in progress.
5. Work of reprint of *Bharatbarsher Jatiya Sangit* by Prabodhchandra Sen is in progress.(Typing completed).
6. Compilation and editing of literary works of Nirmalchandra Chattopadhyaya is in progress.
7. Typing of letters written by J.D. Anderson to Rabindranath is completed.
8. The work of Kalanukramik Rabindra Rachanabali, vol.7 is complete and ready for publication and research work of 8th volume is going on.

LIPIKA MANUSCRIPTORIUM

Lipika Manuscriptorium is a Centre for Manuscript studies and preservation of Nation's written heritage with a collection of more than 12500 Manuscripts pertaining to different Language and archaic scripts such as Sanskrit, Bengali, Odia, Tibetan, Arabic-Persian and Tamil. Apart from that this, the Manuscriptorium has a proud possession of old land records of Surul Zamindar and endowment records of Joydeb Kenduli (Late Mahanta Harikantasarana Deva Brajabasi, Nimbark Ashram). The writing materials of the manuscripts are in Palm-Leaf, Teret palm leaf, *Sanchipat* and *Tulot* paper (old handmade 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 users' activities and Editing of manuscripts are carried out by the Centre with the avowed objective of promoting higher research based work on manuscripts. The Centre has also been imparting occasional demonstration classes on Manuscriptology for Manuscriptologic research work. During the period number of Mss conserved : Curative Odia Mss 118 bundles and Sanskrit Mss 150 bundles.

Work has been done V.B. Ms. No. 1762 Bangla Abhidhan page (12-582). Transcribe and 1st press copy proof of *Bengal Abhidhan* has been completed. Present ongoing project is the compilation of Descriptive Catalogue of 'Eight Khanda' (Vol.-VIII) Bangla 'Puthi Parichaya'.

VISVA-BHARATI LIBRARY NETWORK

Due to Covid-19 outbreak, during this period library services in physical mode was totally closed. Therefore, the online service through Remote Access (Open Athens) & Discovery Services was the only the way to cater library services. In addition to continuation of existing activities and services, following steps have been taken by the VBLN to address the needs of the academic community during lockdown:

Creation of WhatsApp group; Telegram group; Library face book; YouTube Channel; tabulating the Open Access Educational Resources and notify through different channels (e-mail, university website, library website, WhatsApp, etc. etc.); organization of webinar on different academic/research related topic to update the academic fraternities; arranged online demonstration program on e-resources, Research Tools (like Grammarly, RAXter) LSDiscovery (which VBLN is planning to subscribe for its unlimited access and single window search in place of existing Open Athens (Discovery services) for limited users and facilities); organized hands-on training program for registration in Vidwan and IRINS (Indian Research Information Network System) databases (it is to be noted that before September 2020 Visva-Bharati fraternity does not have registration, but now VB is third among all the Central Universities); extending co-operation to the academic departments for holding online PhD final viva, BoS meeting, Pre-submission seminar of the PhD scholars, etc.; extend co-operation to the university administration for arranging online meeting, VB Lecture Series and Young Scholar Series in online mode, etc.

AQAR and SSR based on last five years i.e. from 2015-16 to 2019-20 has also been prepared properly for the visit of NAAC peer team.

QR code on library services and resources has been updated to encourage the users' community to use the library in fewer headaches.

URKUND anti-plagiarism software for checking of similarity/significance for thesis and other publications is being done with several awareness programs.

Annual Report of the Central Library for the period 2020-21 (1st April 2020 to 31st March 2021)

1. Total Number of Books /Periodicals added during the Year 2020-21

| | |
|---------------------------------------|-------------|
| a) Books purchased (Print) | 1637 |
| b) E-books purchased (Perpetual mode) | 1464 |
| c) E-books (complimentary) | 389 |
| d) Books received as gift (print) | 128 |

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| | |
|--|------------|
| e) Total print books added during the year (a+d) | 1765 |
| f) Titles of journal subscribed (For Central Library 207(including 52 Magazine, and for Sectional Libraries -87) | 294 |
| f) Newspapers procured (CL 18 (titles) and Sectional Libraries 32nos.) | 50 |
| g) Issues of journals received as gift | 8675 |
| h) CD/DVDs (contained in journals)subscribed | 20 |
| i) Total Number of Books / Periodicals accessioned as on 31. 03. 2021 | |
| a) Books: Purchased : | 441290 |
| Books: Gift : | G10118 |
| Total Books (Print) : | 451408 |
| E-Books: Purchased (No.) : | 1464 |
| E-Books- Purchased (Rs.) : | 109,30,242 |
| E-Books (Complimentary) : | 389 |
| Total E-Books : 3836+1280 + 1464+ 389 = | 6969 |
| b) Accessioned Issues of Journals & Newspaper (Subscribed) : | 13415 |
| c) Accessioned Issues of Journals (Gift) : | 8675 |
| d) Accessioned for Bound Journals : | 21 |
| j) Total Number of Books transferred to Departmental /Sectional Libraries | |
| a) Seminar Libraries – 36; b) Sectional Libraries - 77 | |
| K) Issue and Return of Books/ Periodicals | |
| a. Number of Books Issued- 2,855; b) Number of Books Returned- 7,077 | |
| c. Total Transactions of Circulation Section (a+b)- 9,932 | |
| 2. Other Modern Technology-based Services | |
| a) Total ESS Inflibnet e-journals full-text downloads or views by users | 119273 |
| b) Total Users Used OPAC search Facilities | 19073 |
| c) Inter Library Loan service through DELNET & BCL | 01 |
| d) Number of documents digitized on reader's request | 56 |
| g) Total pages digitized on reader's request | 6440 |
| 3. Total Hits; Views; download and Browsing in different e-resources | |
| a) Inflibnet (Journal + database): 119273;b) JGate+: 6396; c) Sage online journals: 10341; | |
| d) Indiastat: 6725; e) IOP Journals: 678; f) Bentham Science Journals: 474; g) EPWRF: 791 | |
| 4. Membership for Inter - Library Loan (ILL) / Document Delivery Service (DDS) | |
| British Council Library, Kolkata (More than 7,000 e-journal and 1,00,000+ e-books); DELNET, New Delhi; JCCC@INFLIBNET; J-gate (More than 37,000 e-journals) | |

5. Library Members *

- Total Registered Members
7350
(Teachers – 598, Scholars – 845, Students – 5368, Staff – 504, Others -15)
- Total number of users who accessed the resources through library site 1,12,539

6. Library Timing:

a) Central Library:

All days except weekly holidays (Saturday & Sunday): 7 am - 8 pm
Saturday and Sunday: 10 am - 5 pm. Other holidays: 10.00 a.m. - 5.00 p.m. (Only Reading Room)

Total no. of days Library was open in the year: 192 days (Lockdown 106 days, Weekly Holidays - 33 and other Holidays -34).

b) Sectional Libraries: Most of them are open during 9.30 am – 6pm, weekly off days are Saturday and Sunday while the same is Wednesday and Sunday for Rabindra Bhavana and Patha Bhavana Library (service hour 6.30am to 1.00pm).

7. Documents Processing

Purchased Books: **3292**, Gift Books: **128**; Total number of Books catalogued: **3420**
Total Uploading of Digitized Books: **56**

8. Publications: Following items have been updated and published through library website, e-mail, etc.

a) Monthly Library e-Newsletter (12 issues released); b) Library Bulletin – ‘Current Journals-2020’ for Visva-Bharati subscribed Journals; c) Library User’s Manual, Brochure; d) Library Reference Manual has published.

9. Exhibition of Books:

Total twenty-six (26) - exhibitions of books and allied materials on important personalities have organized in the Reference Section during August 2020 – March 2021.

10. Library Automation:

Visva-Bharati 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. have also been provided by the Library.

Library Management Software LibSys-7 (Unicode Web compliant) is being used for automating the library activity and services. Library catalogue database are now accessible on Intranet (<http://172.16.2.2:8380/opac/>) / Internet (<http://14.139.211.2:8380/opac/>). L-Search Mobile Apps, e-mail alert on overdue books etc. are the unique features on the way of modernization of VBLN.

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Uploading of digitized books on the Library server has been done fully and is accessible through Intranet. Current Theses available received in softcopy are also being uploaded. In addition to e-resources Central Library has made an **Institutional Repository** of syllabuses of various courses. Question papers of different examinations held at Visva-Bharati. This **Institutional Repository** is being regularly used by the library members. The Open Archive now contains near about 156 articles of faculties of VB.

E-Resources:

i. Current title of E-journals purchased

Bentham Science Collection- 63 E-Journals and IOP Science Collection- 71 E-journals

ii. Current title of E-journals accessed from ESS (Inflibnet): 7032+

American Chemical Society - **49 Journals**; American Institute of Physics- **19 Journals**; American Physical Society- **15 Journals**; Annual Reviews- **43 Journals**; Economic & Political Weekly- **1 Journal**; JSTOR- **3165 Journals**; Oxford University Press- **262 Journals**; Project Muse- **676 Journals**; Springer Link 1700 Collection and Nature Journal- **1724 Journals**; Taylor and Francis- **1078 Journals**.

iii. Current title Online database accessed from ESS (Inflibnet): 05

Institute for Studies in Industrial Development (ISID) Database; JGate Plus (JCCC); MathSciNet; Web of Science; and URKUND Similarity Checking Software.

iv. Current title of Database subscribed : 06

Indiastat.com; Odia Patrapatrika Sangraha (Digital Compilation of Odia Periodicals) 1856-1950; Developing Library Network(DELNET); Secret Files from World Wars to Cold War from Taylor & Francis; China and the Modern World: Hong Kong, Britain and China, 1841-1951 from Cengage Learning India Pvt. Ltd.; and EPWRF India Time Series.

11. Seminar / Workshop / Exhibition / other programs organized:

Four (04) National Webinars were organized by Visva Bharati Library Network: on 02-11 May, 16-29 June, 31 July – 04 August, and on 14 August. Total 33 lectures were delivered in these Webinars.

- **1st National Webinar on Research Methodology:** Visva-Bharati Library Network organized eleven days National Webinar during 02-12 May, 2020. Speakers and topic have been noted under individual invited lecture.
- **2nd National Webinar-2020 on Research Methodology:** Visva-Bharati Library Network (VBLN) organized 2nd National Webinar during 16-18, 22-27 & 29 June 2020. Speakers and topic have been noted under individual invited lecture.

- **Speakers and lecture topics:** The webinar was started with the valuable lecture on “Comprehending Research Methodology” by Prof. Bidyut Chakrabarty, Hon’ble Vice-chancellor on (16/06). For other speakers and topic have been noted under individual invited lecture.
- **3rd National Webinar on “Gandhiji” :** Visva-Bharati Library Network (VBLN) organized 3rd. National Webinar during 31 July and 03-04 August 2020 to pay homage to great luminary Mahatma Gandhi. In this Webinar six hundred and thirty four (634) candidates registered through the link: <https://forms.gle/AK8jaWKgwdC1LFZn6> from the 18 states of India and abroad too.

Date: 31 July and 03-04 August, 2020

Speakers and topics: The Webinar was started with the illustrious lecture on “How to Conceptualize Gandhi?” by Prof. Bidyut Chakrabarty, Hon’ble Vice-Chancellor (31/07). Prof. Asha Mukherjee, Registrar (Acting) and Professor & Head, Dept. of Philosophy and Comparative Religion, Visva-Bharati presented on “Gandhi’s Vaishnava Vedanta and Concern to Other” (03/08); Ms. Harsha Tiwary, Research Scholar, Dept. of Economics & Politics, Visva-Bharati, presented on “Gandhian idea of Rural Reconstruction and the MGNREGP of India” on (03/08); Prof. Saumya Chakrabarti, Dept. of Economics & Politics, Visva-Bharati presented on “The Condition of the Informal Sector in India & Some Post-covid Exigencies: A Gandhian Perspective” on (04/08) and Prof. Biswajit Roy, Dept. of Bengali, Visva-Bharati presented on “The Idea of Ahimsa: Gandhiji Rabindranath Comparison” (04/08).

- **4th National Webinar-2020 on “New Education Policy-2020 of Govt. of India”** It was a matter of great pride that, Hon’ble Human Resource Development Minister of India, Shri Ramesh Pokhriyal ‘Nishank’ Ji has delivered Inaugural Address as a Chief Guest and Prof. D. P. Singh, Chairman; UGC has delivered Special Address as a Guest of Honour of the event and Prof. Bidyut Chakrabarty, Vice Chancellor, Visva-Bharati delivered his Welcome Address. Prof. Asha Mukherjee, Registrar (Acting), Visva-Bharati, Santiniketan, WB delivered word of thanks after inaugural session.

Date: 14 August 2020

Speakers and topics : Prof. Bidyut Chakrabarty, Vice-Chancellor, Visva-Bharati, Santiniketan, WB; Prof. Asha Shukla, Vice-Chancellor, Dr B. R. Ambedkar University of Social Sciences, Dr Ambedkar Nagar, Indore, MP; Prof. Ajay P. Singh, Director General, RRRLF (Ministry of Culture), Kolkata, WB; Prof. Sanat Kumar Ghosh, Formerly Professor, Rabindra Bharati University, Kolkata, WB; Prof. Bharatendu K. Singh, Professor, Dept. of Physics, BHU, UP; Prof. Amrit Sen, Professor, Dept. of English and Director (Acting), Granthan Vibhaga, Visva-Bharati delivered on New Education Policy-

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2020 with their own views. Dr. Nimai Chand Saha, University Librarian (Acting), Visva-Bharati has extended word of thanks at the end of the thematic session.

Besides these four National Webinars, Visva-Bharati Library Network arranged five more International/National Webinar and one e-Workshop in collaboration with the other Departments of Visva-Bharati.

- On the occasion of 6th International Day of Yoga, **International Webinar on “Evidence-based lifestyle modification through Yoga in Covid-19 Pandemic”** has been jointly organized by Department of Yogic Art & Science, Vinaya Bhavan and Visva-Bharati Library Network during 19-20 June 2020.
- **Webinar on “Mental Health and Well-being of the University’s Students and Staff during and after lockdown”**— has been jointly organized by the concern committee constituted by the appropriate authority and Visva-Bharati Library Network on 06 June 2020.
- **Webinar on “Importance of Intellectual Property Rights for Academic Institutions”** jointly organized by Internal Quality Assurance Cell (IQAC) and Visva-Bharati Library Network on 21 September 2020. Invited speech on the theme has been delivered by Dr Ashiwini Siwal, Associate Professor in IP and IT Laws, Faculty of Law, University of Delhi and Director, LC-II Entrepreneurial Law Clinic.
- The Proctor Office of Visva-Bharati and Visva-Bharati Library Network has jointly organized a **Webinar on “Stress Management and Relief for Students of Higher Educational Institutions”** for the students of the University on October 14, 2020 at 5.00pm. Participation of the students in the question-answering session was notable.
- On the occasion of National Constitution Day, one Webinar arranged by Visva-Bharati on **“Role of Indian Constitution in Gender Justice”** on 26 November through Zoom platform. Ms. Sohini Dutta, Guest Faculty, Department of Economics and Politics was the speaker and the session was chaired by Prof. Bidyut Chkrabarty, Hon’ble Vice Chancellor, Visva-Bharati. Around 150 participants have joined in the session.
- **E-workshop:** As instructed by University authority, One-Week National e-Workshop on “Using Open Source Learning Management System for Online Teaching” was arranged jointly by the Department of Statistics, Siksha Bhavana and Visva-Bharati Library Network (VBLN) during 17th August to 25th August 2020.
- **Special Sessions:** Fourteen (14) special session on Discovery Service, Grammarly, Raxter, Registration on Vidwan and IRINIS, Virtual training on EPWRF India Time Series (ITS Mendley, EndNote, and LS Discovery etc. have been arranged on 23th April, 22 July, 24 July, 27 July, 28 July, 30 July, 18 December, 21 December, 2020, 10 Feb, 12 Feb, 26 Feb, 29 – 31 March, 2021 for VB fraternities.

- **Observation of Gandhi Punyaha:** Gandhi Punyaha has been observed on 10 March 2021 as a mark of pay homage to Mahatma Gandhi and his visit of Santiniketan.
- **International Womens' Day:** This year, a special drive was taken by the Women's Association of Visva-Bharati and Visva-Bharati Library Network with the support of Visva-Bharati administration to observe the International Women's Day on 08 March 2021. For this, following COVID-19 protocol, a rally has been organized from Upasana Griha to Central Library and around 300 members of VB fraternity have joined in this rally. A Book Exhibition was inaugurated by the Hon'ble Vice-Chancellor. Then, the significance of the day and objectives of observation of International Women's Day have been stated by Prof. Bidyut Chakrabarty, Hon'ble Upacharya, Visva-Bharati followed by the introductory speech by the President, Women's Association of VB.
- **Observations of Library Day-2020:** Like every year, 'Library Day-2020' (20 December 2020) has been organized by Visva-Bharati library Network at Conference Hall, Central Library, VB on 21 December 2020.
- **Meet with newly appointed faculty members:** The meeting was arranged on 20th January, 2021 at Conference Hall, Central Library following COVID-19 protocol for an awareness program on "VB Library Resources, Services and Facilities" to enable them to utilize library resources properly to steer their academic activities.
- **Observation of Teachers' Day:** Teachers day has been observed on 5 September at Central Library to pay tribute to the great teacher Dr Sarvepalli Radhakrishnan who was a staunch believer of education and was a well-known diplomat, scholar, the President of India and above all, a teacher.
- **Observation of Librarians' Day:** Librarians' day has been observed on 10 August 2020 to pay tribute to Dr S. R. Ranganathan Iyer, the father of Indian Library Science.
- **Demonstration Program on E-resources:** As part of procurement of e-resources, VBLN has organized demonstration program on e-resources of 26 world class publishers/aggregators during 22-25 September 2020 from 11am to 1.30pm.
- Visva Bharati Library Network has taken active part in organizing ten (10) lectures of **Visva-Bharati Lecture Series** on virtual mode (from 20th - 29th lecture) on 4.9.2020, 9.9.2020, 25.9.2020, 12.10.2020, 18.11.2020, 23.11.2020, 19.01.2021, 18.02.2021, 5.03.2021 and 19.03.2021.

12. Invited Lecture etc. by the Library Professionals:

All Staff: Visva-Bharati Library Network has organized different events throughout the year with active support and cooperation (participated and acted in different capacities like hosting the webinar, assisting for technical assistance, publicity, participants etc.) from the most of the staff of the VBLN.

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Dr Nimai Chand Saha

1. 13 April 2020: Delivered an Invited lecture in the International Level Conference (Webinar) on 'COVID-19: Preventive measure and health management during lockdown' organized by the Dept of Physical Education and Sports, Govt Girls' PG College, Ghazipur, UP. Title of Presentation - "Towards Uninterrupted Academic Activities as well as addressing Covid-19: Role of Libraries".
2. 15 March 2021: Delivered an Invited lecture in the UGC sponsored Refresher Course in Library and Information Science on 'Bridging the Gap between Library Service and Library Education' organized by the DLISc, UGC-HRDC, North Bengal University. North Bengal University. Title of Presentation - on 'Academic Integrity and Inseparable role of LISian"
3. 03 March 2021(2.30pm – 4.00pm). Invited and acted as an Adjudicator for seminar session of six participants in the UGC sponsored Refresher Course in Library and Information Science on 'Bridging the Gap between Library Service and Library Education' organized by the DLISc, UGC-HRDC, North Bengal University.
4. 15 February 2021 (2.15pm – 4.30pm): Delivered an Invited lecture in the UGC sponsored 2nd Faculty Induction Programme at the UGC-HRDC, University of Burdwan, Purba Bardhaman. Title of Presentation - on 'Reaching Academic Integrity and Handling Plagiarism: Issues and Concern".
5. 23 January 2021 (1.30pm – 2.00pm): Delivered an Invited lecture in the Three-day (22-24 January 2021) National Web-Seminar on ' Management issues in Libraries of 21st Century: Problems and Prospects' jointly organized by the Central Library, Sikkim Central University and ICSSR, NE Zone. Title of Presentation - on 'Employability and Requirements of Professional Skills for library services in the current society: Issues and Challenges'.
6. 12 October 2020 (11.10am – 12.00pm): Delivered an Invited lecture in the two-day (11-12 October 2020) National Webinar on 'E-learning Management System' organized by the Central Library, Abhedananda Mahavidyalaya, Sainthia. Title of Presentation - on 'E-learning, E-library, E-ethics: Open Approach" on.
7. 24 September 2020 (2.30pm – 3.00pm): Delivered an Invited lecture in the three-day (22-24 September 2020) 23rd NACLIN (National Conference on Knowledge, Library and Network) as Virtual, Interactive Conference on 'Next-Gen Libraries, Enabling Technologies, Emerging Knowledge Services and Engaging Users'. Title of Presentation – Conference Theme.
8. 20 September 2020 (12.00pm – 1.05pm): Delivered an Invited lecture in the National Webinar on 'Reshaping Library Services to Meet New Educational Requirements: Open Approach' jointly organized by the IQAC and Central Library, Banipur Mahila

- Mahavidyalaya, Banipur, Habra, West Bengal in collaboration with National Library, Kolkata. Title of presentation – Main Theme of the webinar.
9. 03 September 2020 (1.30pm – 2.15pm): Delivered an Invited lecture in the National Webinar on ‘College Library Services: Changing Scenario’ organized by the Central Library, Maharaja Uday Chand (MUC) Women’s College Library, Burdwan, East Burdwan. Title of presentation – ‘Status of College Library Services: Is it Ready for Changing Scenario?’.
 10. 25 August 2020 (10.30am – 12.00pm): Delivered an Invited lecture in the National Level Week-long (during 17-25 August 2020) e-Workshop on ‘Using Open-Source Learning Management for Online Teaching’ jointly organized by the Department of Statistics and Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - ‘Discovering Open Access Resources for Online Teaching-Learning’ on.
 11. 24 August 2020 (7.00pm – 8.30pm): Delivered an Invited lecture in the National Webinar organized on ‘Towards User’s Centric College Library Services for Inclusive Education and NAAC: Role of Stakeholders’ by the Central Library, Dinabandhu Mahavidyalaya, Bongaon. Title of presentation – Theme of the Webninar.
 12. 08 August 2020 (6.00pm – 7.30pm): Delivered an Invited lecture through online in the National Level SALIS Webinar Series :35 organized by the Society for Advancement of Library and Information Science (SALIS). Title of Presentation - ‘Joint Use Library Services: Way to Satisfy the User Community in the 21st Century’.
 13. 18 July 2020 (6.00pm – 7.30pm): Delivered an invited lecture in the National Webinar on ‘Scholars–in–web Series – 2020’ organized by Department of Commerce, Dibrugarh University, Assam. Title of Presentation - ‘Academic Integrity in Research & Publications: Towards Safe Practices’.
 14. 16 July 2020 (6.00pm – 7.30pm): Delivered an invited lecture in the National Webinar on ‘Scholars–in–web Series – 2020’ organized by Department of Commerce, Dibrugarh University, Assam. Title of Presentation - ‘Open Access Resources in Research: Utilize in Friendly Manner’.
 15. 15 July 2020 (3.30pm – 5.15pm): Delivered an Invited lecture in the National Webinar on “Library Resources for Educational Institutions during Covid-19: Adventurous Journey” organized by the Central Library, Berhampore Girls’ College, Berhampore, Murshidabad. Title of Presentation - “Open Access Educational Resources during Pandemic: Library to March Ahead”.
 16. 15 July 2020 (11.30am – 1.15pm): Delivered an Invited lecture in the National Webinar on “Covid-19 and Post Pandemic Challenges in Higher Education: Paradigm Shift in Pedagogical Intervention” jointly organized by the IQAC and Central Library, Sudhiranjan

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Lahiri Mahavidyalaya, Majhdia, Nadia. Title of Presentation - “Paradigm Shift of Library to accelerate Higher Education during New Normal: Issues and Challenges”.

17. 13 July 2020 (12.15pm – 1.30pm): Delivered an Invited lecture in the National Webinar on ‘Library in Online Teaching-Learning: A Challenge During Covid-19 Pandemic’ jointly organized by the Central Library, and IQAC, Mrinalini Dutta Mahavidyalaya, Birati, Kolkata in collaboration with National Library, Kolkata. Title of Presentation - “Reshaping Library for Online Teaching-Learning: Expectations and Reality”.
18. 10 July 2020 (10.30am – 12.45pm): Delivered an Invited lecture in the One-Week during (06-11 July 2020) National Level Online Faculty Development Program (O-FDP) on “Main Theme: Online Class Management” organized by the Internal Quality Assurance Cell (IQAC) Dibru College, Dibrugarh, Assam. Title of Presentation - “Accessing Libraries Online”.
19. 06 July 2020 (4.30pm – 5.30pm): Delivered an Invited lecture in the National Webinar on “Access to Open Educational Resources During Pandemic” jointly organized by the Central Library, and IQAC, Raj College, Burdwan, East Burdwan. Title of Presentation - “Open Educational Resources: Way to make it Open”.
20. 03 July 2020 (3.30pm – 4.50pm): Delivered an Invited lecture in the National Webinar on “Role of Library in Higher Education: Present & Future” organized by the Library Deshabandhu Mahavidyalaya, Chittaranjan, West Burdwan. Title of presentation - “Library Services in Pre & Post Lockdown: Requirements and Readiness”.
21. 29 June 2020 (11.00am – 1.00pm): Delivered an Invited lecture in the 2nd National Level Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan, and delivered lecture on “Research Tools: RAXter and Grammarly”.
22. 18 June 2020 (11.30am – 1.10pm): Delivered an Invited lecture in the One-day State Level Webinar on “Challenges and Strategies to Run Library Services of Educational Institutions During Covid-19” jointly organized by Internal Quality Assurance Cell (IQAC) and Knowledge Resource Center (Library), Sree Chaitanya Mahavidyalaya, Habra-Prafullanagar, North 24 Parganas. Title of Presentation - “Academic Library Services During Covid-19: Challenges and Strategies”.
23. 17 June 2020 (4.10pm – 5.00pm): Delivered an Invited lecture in the National Webinar on “Impact of COVID-19 on Teaching-Learning Environment” by the IQAC, Banwarilal Bhalotia College, Asansol. Title of Presentation - “Open Educational Resources for Teaching-Learning: Current Context”.
24. 17 May 2020 (3.45pm – 4.20pm): Delivered an Invited lecture as panelist in the 10th session of the MPLA Webinar Series on “Development of SOPs for Libraries for the post Lockdown” organized by the Madhya Pradesh Library Association (MPLA), Madhya

- Pradesh. Title of Presentation - “Operating Library Services after COVID-19: Issues and Challenges”.
25. 12 May 2020 (11.00am – 1.00pm): Delivered an Invited lecture in the National Level Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Open Access Resources and Tools in Research”.
 26. 06 May 2020 (11.00am – 1.00pm): Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Academic/Research Integrity (Checking level of significance through URKUND)”.
 27. 27 April 2020 (12pm – 1.30pm): Delivered an Invited lecture in the National Level Webinar organized by Library Division, Khaitan & Co., Mumbai. Title of Presentation - “Re-engineering of Knowledge Resource Centre in the current context: Academic Perspective” on.

Dr Sujit Kujur

1. 04 May 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “on Mendeley: The Reference Management Software”.

Dr Koushik Ghosh

1. 03 May 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Resources, Services, and Facilities of VB Library”.
2. 17 June 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Inflibnet in accelerating Research activities”.

Sri Ramprasad Majumdar

1. 22 June 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Guidelines and Experiences on Dspace”.
2. 05 May 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “KOHA/ DSpace: Guidelines”.

Dr Partha Pratim Ray

1. 18 June 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Library and Community Development: Tagorean Perspectiv”.

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2. 11 May 2020: Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "Ethical Aspects of Research".
3. 07 May 2020: Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "Research Output".

Dr Tapas Kumar Das

1. 25 June 2020: Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "JASP: a fresh way to do statistics".
2. 10 May 2020: Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "Literature Review and In-text & End-text Citation".

Sri Ajay Kumar Sharma

1. 27 July 2020: Delivered an Invited lecture in the International Webinar on "Reference Management Tools and Detection & Avoidance of Plagiarism in Research", organized by Central Library, Mahapurusha Srimanta Sankaradeva Viswavidyalaya (MSSV), Nagaon, Assam in collaboration with Library and Information Science Professionals' Association (LISPA), Assam. Title of Presentation - "Reference Management Tools in Research with special reference to Zotero".
2. 21 July 2020: Delivered an Invited lecture in the One-week (17 -23 July 2020) National Level Online Workshop on 'Techno-Pedagogy and Research Methodology', organized by organized by B.Ed. Section & IQAC, Kalna College, Kalna, Purba Bardhaman, West Bengal in collaboration with School of Education, Mahatma Gandhi Central University, East Champaran, Bihar, Department of Education, Raiganj University, Raiganj, West Bengal and Ramakrishna Mission Sikshanamandira, Belur Math, Howrah, West Bengal. Title of Presentation - "Conception and Uses of Different Google Apps in Teaching-Learning Process" on during.
3. 26 June 2020 (11.00am – 1.00pm): Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "Zotero: The Reference Management Software".
4. 02 May 2020: Delivered an Invited lecture in the National Webinar on 'Research Methodology' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - "Google Tools for Teachers".

Dr Sabahat Nausheen

1. 3-4 October 2020: Delivered an Invited lecture in the Two-Days International Webinar on “Pandemic Pedagogy: Teach from Home, Students At Home” organized by the Universal Briefing, Kolkata, West Bengal. Title of the presentation “In need of Libraries indeed”
2. 23 June 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Role of Libraries in Ranking and Accreditation of the Institutions”.
3. 08 May 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Remote Access & Discovery Services”.

Dr Sanat Bhattacharya

1. 25 June 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Web-based sources of resources for knowledge enhancement”.
2. 09 May 2020: Delivered an Invited lecture in the National Webinar on ‘Research Methodology’ organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan. Title of Presentation - “Technical Writings in Research”.

13. Publications

Book:

Dr Nimai Chand Saha

Information Science for Rural Development: 21st Century Perspectives. Debabrata Dasgupta and Nimai Chand Saha. Jodhpur: Agrobios (India), 2021. ISBN: 978-81-949237-7-0

Book Chapter:

Dr Koushik Ghosh

ICT Applications in Respects of Service, Facilities and Resources at Visva-bharati Library Network In *ICT and Library in Higher Education: An Indian Perspective.* Koushik Ghosh. Kolkata: Chandidas Mahavidyalaya, 2020, (pp. 129-140). ISBN- 9789389208252

Dr Sabahat Nausheen

“Choice is yours: Dinosaur or Phoenix”, Sabahat Nausheen & Dr Md Ziaur Rahman, in *Together Towards Tomorrow: Role of Persian, Marathi, Hindi and other Languages for sustainable Development* ed Dr Md Faique. New Delhi: Arnab Enterprises, 2020, pp 10-16. ISBN 978-8193658-55-0.

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Journal Article:

Sri Smritimoy Ghosh

“Administration of Libraries in Ancient India” . Smritimoy Ghosh. *Journal of Education and Development*, Vol.-11, No.-20, pp. 69-78. ISSN- 2248-9703,

14. Information related to Total number of Books of VBLN up to 31 March 2021

| Sectional libraries | Books up to 31 March 2021 | Books Added | | Journals Added | |
|-------------------------|---------------------------|-------------|------|----------------|------|
| | | Purchase | Gift | Subscribed | Gift |
| Cheena Bhavana | 46151 | 17 | 11 | 1 | 2 |
| Siksha Bhavana | 20922 | 359 | 36 | NIL | NIL |
| Path Bhavana | 39550 | 159 | 07 | NIL | NIL |
| Darshan Sadana | 9755 | 13 | 4 | NIL | NIL |
| Hindi Bhavana | 37175 | 140 | 40 | 1 | 8 |
| Sangit Bhavana | 37607 | 194 | 4 | 8 | NIL |
| PalliSangathan | 37885 | 246 | 19 | NIL | NIL |
| Vinaya Bhavana | 22687 | 238 | 17 | NIL | NIL |
| Rabindra Bhavana | 48814 | 72 | 988 | NIL | NIL |
| Palli Siksha Bhavana | 54174 | 1327 | NIL | 40 | 14 |
| Kala Bhavana | 17758 | 71 | NIL | 7 | 1 |
| Siksha Satra | 27829 | 413 | NIL | 30 | NIL |
| All Sectional Libraries | 400307 | 3249 | 1126 | 87 | 25 |
| Central Library | 451408 | 1637 | 128 | 225 | 19 |
| GranthanVibhaga | 8600 | | | | |
| Bangladesh Bhavana | 3100 | | | | |
| Total Print Books | 863415 | | | | |
| E-books and Theses | 9828 | | | | |
| Total Books | 8,73,243 | | | | |

However, database holds 7,84,586 copies and rest around 90,000 books purchased & accessioned initially at Central Library and thereafter those books have been transferred to different sectional Libraries for the interest of the users and re-accessioned in the concern sectional library i.e. these 90000+ books having double accessioned/counted.

GRANTHANA VIBHAGA KOLKATA

Grantha Vibhaga set up in 1923 was mandated to publish the writings of Rabindranath Tagore along with books on Indian culture. Since its inception it has published the authoritative edition of Rabindranath Tagore's complete works. A major publication of the Granthana Vibhaga is the Visvavidya Samgraha which introduces dense ideas on philosophy, social sciences and science to lay readers, Tagore's Gitabitan and Swarabitan makes the entire corpus of Tagore's songs and notations available for generations of readers and performers.

Presently, Granthana Vibhaga functions from its premises at 6 AJC Bose Road, Kolkata 700 017 with 23 permanent staff members.

Publications :

| | | |
|---------------------------|----------|----------------|
| Total Publications | : | 24 nos. |
| New Title | : | 01 no. |
| Reprint Titles | : | 23 nos. |

New Publication

- 1. CHARUKOLA BHABNA**
Author : Jogen Chowdhury
Price : Rs. 500.00
ISBN : 978-81-7522-683-8

Reprint Publications

- 1. BUDDHADEV**
Author : Rabindranath Tagore
Price : Rs. 110.00
ISBN : 978-81-7522-563-3
- 2. GALPOGUCHCHHA (TEXT)**
Author : Rabindranath Tagore
Price : Rs. 75.00
ISBN : 978-81-7522-593-0

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- 3. GITABITAN (VOL.1)**
Author : Rabindranath Tagore
Price : Rs. 200.00
ISBN : 978-81-7522-030-0
- 4. GITICHARCHA (VOL.1)**
Author : Abanindranath Tagore
Price : Rs. 100.00
ISBN : 978-81-7522-040-9
- 5. HITOPODESHER GALPO**
Author : Rabindranath Tagore
Price : Rs. 120.00
ISBN : 978-81-7522-663-0
- 6. JAPANJATRI**
Author : Rabindranath Tagore
Price : Rs. 200.00
ISBN : 978-81-7522-425-4
- 7. KHEYA**
Author : Rabindranath Tagore
Price : Rs. 120.00
ISBN : 978-81-7522-488-9
- 8. KSHANIKA**
Author : Rabindranath Tagore
Price : Rs. 200.00
ISBN : 978-81-7522-058-4
- 9. LETTERS FROM RUSSIA**
Author : Rabindranath Tagore
Price : Rs. 250.00
ISBN : 978-81-7522-682-1
- 10. LIPIKA**
Author : Rabindranath Tagore
Price : Rs. 120.00
ISBN : 978-81-7522-418-6
- 11. MANTRA KOBITA GAAN**
Author : Rabindranath Tagore
Price : Rs. 125.00
ISBN : 978-81-7522-456-8

- 12. PATHE O PATHER PRANTE**
Author : Rabindranath Tagore
Price : Rs. 150.00
ISBN : 978-81-7522-628-9
- 13. RABINDRA SMRITI**
Author : Rabindranath Tagore
Price : Rs. 150.00
ISBN : 978-81-7522-171-0
- 14. RABINDRA RACHANAVALI (Popular) (VOL.1)**
Author : Rabindranath Tagore
ISBN : 978-81-7522-356-1
- 15. RABINDRA RACHANAVALI (Popular) (VOL.3)**
Author : Rabindranath Tagore
ISBN : 978-81-7522-358-5
- 16. RABINDRA RACHANAVALI (Popular) (VOL.7)**
Author : Rabindranath Tagore
ISBN : 978-81-7522-362-2
- 17. RABINDRA RACHANAVALI (Popular) (VOL.17)**
Author : Rabindranath Tagore
ISBN : 978-81-7522-467-4
- 18. SAHAJ PATH (VOL. 2)**
Author : Rabindranath Tagore
Price : Rs. 90.00
ISBN : 978-81-7522-116-1
- 19. SANKALITA (VOL.1)**
Author : Rabindranath Tagore
Price : Rs. 65.00
ISBN : 978-81-7522-006-5
- 20. SANKALITA (VOL.2)**
Author : Rabindranath Tagore
Price : Rs. 75.00
ISBN : 978-81-7522-023-2

Chapter-2

- 21. SIKSHA**
Author : Rabindranath Tagore
Price : Rs. 150.00
ISBN : 978-81-7522-441-4
- 22. SONAR TORI**
Author : Rabindranath Tagore
Price : Rs. 120.00
ISBN : 978-81-7522-545-9
- 23. SVRABITAN (VOL. 28)**
Author : Rabindranath Tagore
Price : Rs. 100.00
ISBN : 978-81-7522-550-3

Due to the unprecedented Covid Pandemic, the activities of Granthana Vibhaga were affected in both Production and Sale of books. However the dedicated staff have still managed to keep the production and sale of books running to the best of their abilities.

Sale Statement

Gross Sale in the year 2020-2021 : Rs. 1,05,61,429.00
Net Sale in the year 2020-2021 : Rs. 75,93,698.10

BANGLADESH BHAVANA

Cultural and other Activities:

- 05.06.2020: Visva-Bharati organized ‘Sabujayan’(Tree plantation) on International Environment Day at Bangladesh Bhavana.
- 12.08.2020: The Hon’ble Rector of Visva-Bharati (The Governor of West Bengal) Shri Jagdeep Dhankar addressed the Teachers and Academic staff of Visva-Bharati at the Auditorium of Bangladesh Bhavana.
- 20.12.2020: The Hon’ble Union Home Minister Shri Amit Shah addressed the Teachers and Academic staff of Visva-Bharati at the Auditorium of Bangladesh Bhavana.
- 21.02.2021: Visva-Bharati observed solemnly the ‘International Mother Language Day’ at Bangladesh Bhavana premises. The Bangladesh Bhavana and the Foreign Students Assistance Cell jointly organized the programme on behalf of Visva-Bharati.
- 17.03.2021: On behalf of Visva-Bharati, Bangladesh Bhavana paid tribute to Bangabandhu Sheikh Mujibur Rahman with a daylong Academic and Cultural event on 101st Birthday of the Great leader of the Indian subcontinent.

A Brief History with present situation:

The Bangladesh Bhavana is, no doubt, a new feather on the precious crown of Visva-Bharati in recent time, which the University was befitting in 2018. The Hon’ble Prime Ministers of India and People’s Republic of Bangladesh, Shri Narendra Modi and Sheikh Hasina respectively inaugurated the Bhavana before an august audience from both the countries on 25 May, 2018. Bangladesh Bhavana was constituted as a monument of the bilateral relationship between the neighboring two countries to mark the common history, struggle, language and culture(partly), ethnicity and obviously on the common emotional attachment of the two nations. Gurudeva Rabindranath Tagore, undoubtedly, has been one of the common inspirations in building up the National entity in the both countries. Especially, the Bengali folk of both the sides possess a common legacy for a thousand years. The Prime Minister of Bangladesh Sheikh Hasina expressed her earnest desire to the Government of India for establishing this Bhavana while her visit to New Delhi in 2010; and in 2013, the then President of India Shri Pranab Mukherjee announced the proposal in Dhaka thereafter and urged to set the site at Santiniketan. Santiniketan has been a natural selection for site of the Bhavana as this ‘abode of peace’ of the bard still causes vibrance in the Bengali psyche on both the sides of the divisive political border. The cost of building up the Bhavana was entirely borne by the Govt. of Bangladesh. On the other hand, a land of 28880 sq.ft was donated by Visva-Bharati with the consent to the Govt. of India.

Chapter-2

The architectural uniqueness of the Bhavana attracts people from home and abroad to the Bhavana.

The Bhavana runs mainly on the interest incurred of the one-time corpus fund amounting to Rupees 10 Crores gifted by the Government of Bangladesh on 29.01.2019.

Here is a brief account of present situation and performances during the academic year 2020-21 of the newly established Bangladesh Bhavana at Santiniketan.

The main wings:

a) Museum:

- The Museum was officially declared open to all on 18 September 2018.
- Normal visit at the Museum has been barred since LOCKDOWN to date due to the pandemic COVID-19.

b) Library

- Bangladesh Bhavana Library is unique in its nature as almost all books stacked here are published solely from Bangladesh and donated by Bangladesh Govt. Books on Mother Language Movement (1952) and Liberation War of Bangladesh (1971) certainly outweigh others in the Library. Nonetheless, the Books by Rabindranath, Nazrul, Lalan Fakir are other items worthy to be mentioned. The two types of entire sets of *Rabindra Rachanavali* and two sets of complete *Nazrul Rachanavali* enrich the concerned scholars, and the scholars from outside of Santiniketan come to study in this library free of cost.
- The Library has been gifted more than 1350 Books by the 'Bengal Foundation' of Dhaka, Bangladesh as a token gift to Visva-Bharati on their part. The books have been classified for disbursement among the libraries under aegis of the VBLN with cooperation of the Central Library of Visva-Bharati.

Normal admittance of the readers has been barred at the Library since LOCKDOWN to till date due to the pandemic COVID-19.

C.) Auditorium, Seminar Halls and Cafeteria:

Bangladesh Bhavana has the biggest Auditorium of Visva-Bharati having 453 seats with all modern amenities. There is a spacious Cafeteria and two Seminar Rooms (partitioned by a movable wall with a capacity to accommodate 350 persons) for any academic or cultural program of Visva-Bharati. Bangladesh Bhavana provides the hall to Visva-Bharati for meetings/ Assembling. Bangladesh Bhavana has been a place for uniting the Visva-Bharati fraternity in taking collective decisions and endeavors.

Future Planning: As per the MoU signed between Govt. of Bangladesh and Visva-Bharati on 25.05.2018, the University is aspirant to make a Study and Research Centre in Bangladesh Bhavana in future.

The comments from the desk of the Chief Officials of the Bhavana:

Bangladesh Bhavana is in very initial stage of its existence. It is trying its best for thriving in near future. The Bhavana is mainly dependent on the money incurred as interest from the corpus fund received from the Govt. of Bangladesh. The Bhavana is now finding out the source of constant and consistent flow of means to go ahead with its motto of bridging up the two neighboring countries. A Sustainability Committee formed by the competent authority of the University has already submitted (and duly approved) a report regarding its sustainability in the last AY. The University has been in dialogue with its manufacturer agency on a regular basis regarding the pending work and lapses found in the building of this Bhavana.

A.K. DASGUPTA CENTRE FOR PLANNING AND DEVELOPMENT

1. Name of the Department and detailed information as per Proforma I and II enclosed.
2. Only National and International standard conference/Seminar/ Workshop / Exhibition etc.

A.K. Dasgupta Centre for Planning and Development, 'Nirala' 33 Purbapalli, Santiniketan. [A Centre sponsored by the NITI AAYOG], Visva-Bharati [National Workshop: 5 Nos.]

| | |
|-----------------------------|---|
| 3 Oct-9 Oct, 2020 | Contemporary Methodologies and Tools in Research |
| 27 Nov-3 Dec.2020 | Use of Statistical Software 'R' in Research and Development |
| 10 Dec-16 Dec. 2020 | Planning and Development of Massive Open Online Courses [MOOCs] |
| 6 January- 12 January, 2021 | Planning, Management and Development of Human Resources |
| 22 Feb.-3March, 2021 | Research Methods and Data Analysis using R & SPSS |
| | |

3. On going research projects in the Department

All research projects are carried under the A.K. Dasgupta Centre for Planning and Development.

1. Puppetry: Communication and Livelihood in Rural Bengal with particular reference to Covid-19 Pandemic.
2. Brewing Covid-19 Pandemic: Effect on Livelihood of Tea Garden Workers of Darjeeling Hills
3. Assessing the Scope in Harnessing Social Innovations in Community Based Rural Tourism [CBRT] in Pandemic Environment: A Study in the district of Birbhum, West Bengal;
4. Women SHGs in Rural areas and Marketing of their Products: A Study in Cachhar District of Assam

A brief History of the Centre

In 1995 the erstwhile Planning Commission took up a scheme to set up a Unit and a Chair, in some selected Universities, to promote teaching, research, extension and service. Visva-Bharati is one of those Universities which obtained the endowment fund to establish such a Centre and a Chair. The objective of setting such Centre will be clear from the correspondence made by the erstwhile Planning Commission on this subject which 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 different 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 at the residence of Late 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.

Any other relevant information:

The Centre mobilized community youths [15 nos.] both male and female, to receive training from KVK, Visva-Bharati. The training was imparted on Mushroom cultivation, Bio-fertilizer preparation and Bee Keeping. The Centre has a plan to start Skill Development Programme on the above mentioned area for empowering the local community.

SC/ST Cell

Visva-Bharati has set up a Special Cell for SC & ST in 1983 and it has the following activities:

The Special Cell for SC & ST has been set up by Visva-Bharati to look after the implementation of reservation policy in respect of student admission, recruitment of Teaching and Non-teaching staff and promotion of Non-teaching staff. Hostel accommodation and quarter allotment. A Professor-in-Charge and an Assistant Registrar are posted to look after the activities of the Cell and they are assisted by one Section Officer, one Personal Assistant, Level-B (presently vacant), two Senior Assistants, one Junior Assistant-cum-Typist and one Peon (Casual Worker). Now, this Cell is functioning as SC/ST/OBC and PWD Cell.

Prof. Larisha M Lyndem, Zoology Department, Siksha-Bhavana, Prof. Debasis Bhattacharya, Palli Siksha-Bhavana and Dr. Sanjoy Ghosh, Joint Registrar (Accounts), Visva-Bharati have been appointed as Liaison Officer for (SC/ST & PWD), EWS and OBC category respectively.

A Standing Advisory Committee on SC/ST has been constituted by the Upacharya to review and monitor the implementation of reservation policies in respect of the employees (Teaching and Non-teaching) recruitment & other matters and Students' Admission. Moreover, a "Committee for Monitoring Reservation in Admission" has also been constituted for proper implementation of reservation policy in respect of admission for SC, ST, OBC, PWD and EWS students in different Bhavanas.

The SC/ST Cell is maintaining the reservation roster of SC/ST/OBC / EWS Persons with Disabilities of Teaching and Non-teaching posts in Direct Recruitment and in promotion. The Reservation Registers are also introduced for PWD in all groups of A, B, C & D posts in direct recruitment and in case of promotion of Group C & D of Non-Teaching posts only. The Govt. of India Guidelines/Circular regarding reservation policy and other related matters are implemented with the approval of the Executive Council of the University. A special recruitment drive was made to fill up the backlog and shortfall of SC/ST and OBC in teaching vacant posts in the year 2010 and 2019. Apart from this, according to the UGC's guidelines vide letter No, F.1-5/2006 (SCT) dated 25/07/2006 the posts of Professor and Associate Professors have also been brought under the purview of reservation and a few vacant posts of Professors and Associate Professors have been filled up, However, it will take time to clear the shortfall in recruitment of SC/ST candidates on these posts.

The Scheme of 'Remedial Coaching', 'Coaching for NET' and 'Coaching for Entry into Services' at UG & PG level was introduced for SC/ST/OBC and Minority students of the University as the UGC scheme under General Development Assistant grant during XII Plan

Merge Scheme and students of these communities have benefited, However at present the scheme is not functioning.

The Cell regularly collects and maintains statistical data on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commission for SC, ST, OBC/ Lok Shabha/ Rajya Shabha in the prescribed format from time to time.

Any complaints /grievances lodged by the SC/ST/OBC students or employees are looked into in a timely manner and brought to the notice of the University administration for their timely and proper redressal,with the approval of the competent authority of the University. The Cell is following 5% reservation for PWD in case of admission and 4% in case of recruitment. The Cell is following the Central List of OBC in case of admission/recruitment.

INDIRA GANDHI CENTRE

Indira Gandhi Centre was established in the year 1985 by Late Rajib Gandhi, in Memory of his mother Late Srimati Indira Gandhi, the earlier alumna of Visva-Bharati as well as late Chancellor of Visva-Bharati. Famous Professor Late Nemai Sadhan Bose and Late professor of history Profesor Sabyasachi Bhattacharya took former initiatives for the beginning and functioning of the Indira Gandhi Centre. At that time the Centre was called Indira Gandhi Centre for National Integration. Late Governor Professor Nurul Hasan, who was also the Rector of the University, inaugurated this building. The date was 5 Dec, 1985.

In the Year 2012 under the Tagore Memorial Institute Programme (TMI) the Centre came to be known as Indira Gandhi Centre.

Objectives:

The idea and purpose of this institution is to work for national integration, fight against communalism, combat casteism and do away with superstitions. The major objectives include study of political, religious, socio-cultural, demographic and sociological aspects suggesting remedial measures to strengthen the national unity and to emphasize the pluralistic nature of the Indian society.

INDIRA GANDHI CENTRE with its prominent responsibility of national and international understanding will act as the nodal organization of the University to promote and carry out specific programmes which will maintain the national importance of Visva-Bharati along with its projection at the international arena with its legacy and prospects of the modern era.

On-going Research Projects in the Department

Indira Gandhi Centre is a small research centre of Visva-Bharati, research proposals are taken here and infrastructure facility is provided by the Centre. A Research Associate looks after the projects.

a. Name of the Project:

- a) INDUS VALLEY CIVILIZATION AND THE HEALTH PRACTISES
- b) BILL BOARDS, MASS COMMUNICATION AND THE HEALTH ISSUES

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

Indira Gandhi Centre has accommodated “Foreign Students Assistance Cell” to help the foreign students who come to Visva-Bharati for academic purposes. Indira Gandhi Centre,

“Foreign Students Assistance Cell” Bangladesh Bhavana, Sangeet Bhavana and Kormi Mondoli of Visva-Bharati jointly organized International Mother’s language day on 21/02/2021. Foreign students, students of Sangeet Bhavana, the faculty from Sangeet Bhavana, Director of Indira Gandhi Centre, Staff members of Indira Gandhi Centre, Members from Karmi Mandoli, and other faculty members of Visva-Bharati along with Vice- Chancellor of Visva-Bharati Prof. Bidyut Chakrabarty, Director of Bangladesh Bhavana, staff members of Bangladesh Bhavana took part in the morning procession. Students sang many patriotic songs during their walk in the procession. At the end of the morning procession there was a small musical programme at the Bangladesh Bhavana. Students from Sangeet Bhavana and the faculty took part in the programme. The programme ended with Ashram Sangeet.

In the evening of 21 February, there was a cultural programme done by the foreign students as well as the students from CMELLCS. The programme was appreciated by the audience. The cultural programme staged at Bharat-Tirtha, Ramkinkar Bajj Mancho.

A brief history on the development of the Bhavana/ Sadana/Vibhaga concerned with an indication of the future plans for development, to be given by the concerned Adhyaksha.

Indira Gandhi Centre was established on 1985, 5 December. First Director- Coordinator of the centre was Sri Pijush Mukhopadhyay and the present Director is Professor Sandip Basu Sarbadhikari , Department of History, Visva–Bharati. In its long run, the centre has taken research projects, published books, organized festivals, workshops, seminars, cultural programmes and many more of academic interests.

At present, the centre is taking its bend towards International Arena. This is a time which is marking, pointing towards three very important occasions of Indian history, the history of Visva-Bharati, as well as the history of our neighbouring nation state BANGLADESH. It is the 50th year of Bangladesh formation, 75th year of Indian Independence and last but not the least the 100 years of Visva-Bharati, our beloved University. Indira Gandhi Centre is planning and preparing to commemorate the following significant issues jointly with the appropriate Departments of Visva-Bharati.

CHAPTER-3

ACADEMIC CALENDAR/PROGRAMMES for the year : 2020-21 ACADEMIC SESSION FROM 1ST JULY 2020 TO 30TH JUNE 2021

| | Programmes | Time Schedule |
|-----------|---|--|
| 1. | Admission | |
| a) | Admission form of different courses and prospectus available through University website. | From 10 th August, 2020 |
| b) | Last date for receipt of application form through online | 15 th September, 2020 |
| | Online publication of merit list | 26 th September 2020 |
| | Counseling of candidates (UG) | October 2020 – November 2020 |
| | Commencement of Classes | As per Bhavana |
| d) | Admission Test – PG Courses & results thereof | October 2020 – November 2020 |
| e) | Admission to PG Courses | November 2020 – December 2020 |
| 2. | Commencement of classes | |
| a) | Patha-Bhavana and Siksha-Satra (Secondary and Higher Secondary education) | 4 th January & 1 st August, 2020 |
| b) | UG-I, III, V, VII, PG-I, III, B.Ed., B.P.Ed. and Diploma in B. Fine Arts Courses | October, 2020 |
| c) | UG-II, IV, VII, VIII and PG-II, IV Courses | By 4 th January, 2021 |
| 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) | Advertisement: 10 th August, 2020 Admission Process: October, 2020 |
| 4. | Form fill-up for End-Semester Examinations | |
| a) | School Certificate/ Pre-Degree Examination (Annual) | From 27 th May, 2021 to 08 th June, 2021 |
| b) | UG-I, III, V, VII & PG-I, III Semesters | Within 07 th March, 2021 |

| | Programmes | | Time Schedule |
|-------------|--|--|---|
| c) | UG-II, IV, VI, VIII, PG-II and PG-IV Semesters/other final years | | Within 31 st December, 2020 |
| 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 | | 1 st Semester to be completed within 31 st March, 2021 and 2 nd Semester to be completed within 15 th February, 2021. |
| a) | School Certificate | | To be completed by July, 2021 |
| | Pre-Degree | | To be completed by July, 2021 |
| b) | UG-I, III, V, VII and PG-I, III & V Semesters | | To be completed by 31 st March, 2021 |
| c) | UG-II, IV, VI, VIII and PG-II, IV Semesters | | To be completed by 15 th February, 2021 |
| d) | M.Phil. | | To be completed by 31 st December, 2020 |
| 7.A. | Vacation for - | a) First spell (Summer vacation) | b) Second spell (Puja Vacation) |
| | Patha-Bhavana | 01 th June to 15 th June, 2020 | 17 th October to 31 th October, 2020 |
| | Siksha-Satra | 01 th June to 15 th June, 2020 | 17 th October to 31 th October, 2020 |
| 7.B. | Vacation for Faculty | | |
| a) | First spell – Summer Vacation | | 11 th June to 20 th June, 2020 |
| b) | Second spell – Puja Vacation | | 22 nd October to 26 th October, 2020 |
| 8. | Publication of Results | | |
| a) | School Certificate/Pre-Degree | | By 01 st week of August, 2021 |
| b) | UG-I, III, V, VII and PG-I, III Semesters | | Within one month from the completion of Examination. |
| c) | UG-II, IV, VI, VIII and PG-II, IV Semesters | | Within one month from the completion of Examination. |
| 9.a) | Selection of Research Scholar – Department wise | | July of every year |
| b) | Commencement of Ph.D. Coursework | | August of every year |
| c) | Publication of Results of Ph.D. Coursework (one semester only) | | April of every year |

Chapter-3

1. Endowment Lectures:

The following endowment lectures were organised during the year 2020-21.

- (a) Maharshi Debendranath Memorial Lecture.
- (b) Prof. Ashin Das Gupta Memorial Lecture.
- (c) Hazariprosad Dwivedi Memorial Lecture.
- (d) Dr. Devakinandan Srivastava Memorial Lecture.
- (e) Pijush Kumar Mukhopadhyay Memorial Lecture.
- (f) Prof. Ashok Rudra Memorial Lecture.
- (g) Dr. Sibani Shankar Chakraborty Memorial Lecture.
- (h) Miss Karabi Mukherjee Memorial Lecture.
- (i) Benode Behari Mukherjee Archives and Research Centre Endowment.

CHAPTER-4

Students' statistics as on 31.03.2021

New admission for the academic year 2020-21

Name of the course: under graduate

| Programme | General | | Scheduled caste | | Scheduled tribe | | Physically Handicapped | | OBC | | Minority category | | Citizenship | | Resident students | |
|-----------|---------|-----|-----------------|----|-----------------|----|------------------------|---|-----|-----|-------------------|---|-------------|---|-------------------|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| UG Sem-I | 332 | 382 | 151 | 90 | 49 | 51 | 39 | 0 | 174 | 197 | 17 | 0 | | | | |

Name of the course: Post graduate

| Programme | General | | Scheduled caste | | Scheduled tribe | | Physically Handicapped | | OBC | | Minority category | | Citizenship | | Resident students | |
|-----------|---------|-----|-----------------|-----|-----------------|----|------------------------|---|-----|-----|-------------------|---|-------------|---|-------------------|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| PG Sem-I | 379 | 460 | 127 | 125 | 47 | 53 | 30 | 0 | 202 | 194 | 182 | 0 | - | - | - | - |

Name of the course: M.Phil/Ph.D

| Programme | General | | Scheduled caste | | Scheduled tribe | | Physically Handicapped | | OBC | | Minority category | | Citizenship | | Resident students | |
|-----------|---------|----|-----------------|----|-----------------|---|------------------------|---|-----|----|-------------------|---|-------------|---|-------------------|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| M.Phil | 29 | 23 | 13 | 5 | 3 | 0 | 0 | 0 | 15 | 9 | 11 | 0 | - | - | - | - |
| Ph.D | 89 | 60 | 28 | 15 | 7 | 8 | 0 | 0 | 30 | 32 | 24 | 0 | | | | |

Name of the course: Diploma/Certificate

| | General | | Scheduled caste | | Scheduled tribe | | Physically Handicapped | | OBC | | Minority category | | Citizenship | | Resident students | |
|---------------------|---------|----|-----------------|----|-----------------|---|------------------------|---|-----|----|-------------------|---|-------------|---|-------------------|---|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| 1 st yr. | 17 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 0 | - | - | - | - |
| 1 st yr. | 68 | 98 | 12 | 22 | 7 | 3 | 0 | 0 | 19 | 18 | 20 | 0 | - | - | - | - |

Chapter-4

School Section

Students' Statistics

Patha-Bhavana and Mrinalini Ananda Pathsala. Students' strength as on 31.03.2021

| Class | General | | Scheduled Caste | | Scheduled Tribe | | Physically Handicapped | | OBC | | Minority Category | | Citizenship | | Resident Students | |
|--------------|------------|------------|-----------------|------------|-----------------|-----------|------------------------|----------|------------|------------|-------------------|-----------|-------------|----------|-------------------|------------|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| *MAP 1st Yr. | | | | | | | | | | | | | | | | |
| MAP 2nd Yr. | 7 | 13 | 6 | 6 | 2 | 3 | - | - | 5 | 8 | - | - | - | - | | |
| Class I | 6 | 6 | 9 | 8 | 1 | 3 | - | - | 8 | 8 | 3 | - | | | | |
| Class II | 13 | 16 | 6 | 11 | 2 | 3 | | | 12 | 8 | 7 | - | | | - | - |
| Class III | 18 | 9 | 10 | 12 | 4 | 7 | | | 14 | 20 | 9 | 7 | | | 6 | 5 |
| Class IV | 21 | 17 | 8 | 15 | 5 | 2 | | | 16 | 17 | 8 | 5 | | | 15 | 14 |
| Class V | 16 | 21 | 12 | 14 | 5 | 5 | | | 19 | 12 | 7 | 7 | | | 14 | 15 |
| Class VI | 21 | 24 | 8 | 12 | 3 | 4 | | 1 | 10 | 5 | 6 | 6 | 1 | 1 | 13 | 15 |
| Class VII | 18 | 17 | 18 | 17 | 6 | 3 | 1 | 1 | 8 | 9 | 2 | 2 | | | 21 | 27 |
| Class VIII | 16 | 28 | 12 | 11 | 4 | 3 | - | 1 | 16 | 16 | 5 | 5 | 1 | 2 | 19 | 26 |
| Class IX | 25 | 22 | 13 | 8 | 4 | 4 | 1 | - | 7 | 5 | 4 | 4 | 1 | | 21 | 18 |
| Class X | 14 | 24 | 7 | 13 | 2 | - | - | - | 2 | 3 | 2 | 3 | 1 | | 7 | 13 |
| Class XI | 34 | 28 | 10 | 11 | 2 | 7 | 2 | - | 14 | 4 | 8 | 5 | | | 36 | 25 |
| Class XII | 26 | 26 | 10 | 14 | 1 | 5 | - | - | 3 | 12 | 3 | 3 | 1 | | 16 | 23 |
| Total | 235 | 251 | 129 | 152 | 41 | 49 | 4 | 3 | 134 | 127 | 64 | 47 | 5 | 3 | 168 | 181 |

Siksha-Satra

Students' Statistics

Student strength as on 31.03.2021:

| Class | General | | Scheduled Caste | | Scheduled Tribe | | Physically Handicapped | | OBC | | Total | Minority students | | Citizenship | Resident students | |
|--------------|------------|------------|-----------------|-----------|-----------------|-----------|------------------------|-----------|-----------|-----------|------------|-------------------|-----------|-------------|-------------------|----|
| | M | F | M | F | M | F | M | F | M | F | | M | F | | M | F |
| KG-I | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| KG-II | 05 | 06 | 03 | 03 | 02 | 00 | 00 | 00 | 03 | 02 | 24 | 04 | 02 | Indian | -- | - |
| Class I | 04 | 04 | 03 | 06 | 01 | 00 | 00 | 00 | 03 | 03 | 24 | 03 | 03 | Indian | -- | - |
| Class II | 10 | 05 | 03 | 02 | 02 | 00 | 00 | 00 | 04 | 01 | 27 | 04 | 01 | Indian | -- | - |
| Class III | 08 | 12 | 12 | 02 | 01 | 03 | 01 | 00 | 10 | 04 | 53 | 03 | 05 | Indian | -- | - |
| Class IV | 18 | 09 | 06 | 07 | 03 | 02 | 00 | 00 | 08 | 11 | 64 | 10 | 04 | Indian | -- | - |
| Class V | 17 | 13 | 09 | 03 | 05 | 01 | 01 | 00 | 11 | 05 | 65 | 08 | 05 | Indian | -- | - |
| Class VI | 13 | 13 | 09 | 08 | 04 | 01 | 02 | 00 | 06 | 07 | 63 | 00 | 04 | Indian | -- | - |
| Class VII | 16 | 24 | 13 | 05 | 05 | 05 | 00 | 01 | 08 | 12 | 89 | 05 | 02 | Indian | -- | - |
| Class VIII | 20 | 22 | 06 | 09 | 02 | 03 | 01 | 00 | 10 | 10 | 83 | 06 | 03 | Indian | -- | - |
| Class IX | 25 | 26 | 07 | 05 | 06 | 01 | 00 | 00 | 15 | 07 | 92 | 08 | 02 | Indian | -- | - |
| Class X | 28 | 27 | 09 | 09 | 06 | 02 | 00 | 00 | 07 | 11 | 99 | 08 | 04 | Indian | -- | - |
| Class XI | 24 | 32 | 14 | 09 | 02 | 01 | 00 | 00 | 09 | 03 | 94 | 05 | 00 | Indian | -- | - |
| Class XII | 38 | 31 | 06 | 07 | 03 | 05 | 01 | 00 | 03 | 08 | 102 | 08 | 04 | Indian | -- | - |
| TOTAL | 226 | 224 | 100 | 75 | 42 | 24 | 06 | 01 | 97 | 84 | 879 | 72 | 39 | | -- | - |

CHAPTER-5

**Projects being executed under the item head "Campus Development"
out of Capital Assets for the year 2020-2021**

| Sl.No. | Name of work | Allocation (₹ in lakh) | Execution |
|--------------------|---|---------------------------|---|
| 1 | Water bodies: | | |
| i. | Repair/renovation of Bhubandanga Bandh | 25.00 | Joint Registrar (Estate) |
| ii. | Repair/renovation of water body near Fire Brigade, Purbapalli with land scaping and beautification of the surrounding area | 20.00 | |
| 2 | Repair/renovation of Demarcation Pillars | 5.00 | |
| 3 | Land development with improvement/renovation of nearby public utilities near Post Office at Ratan Palli, Santiniketan | 10.00 | |
| 4 | Roads: | | |
| i. | Repair/renovation/improvement of existing road from Sriniketan Bhojonagar to Silpa Sadana | 10.00 | University Engineer |
| ii. | Repair/renovation/improvement of existing road from Kali Sayer Crossing to Elmhirst Boys' Hostel, Sriniketan | 25.00 | |
| iii. | Repair/renovation/improvement of existing road from Santiniketan to Sriniketan | 10.00 | |
| iv. | Repair/renovation/improvement of existing road from the gate near SBI, Santiniketan to Office of Academic & Research Section via Estate Office | 11.00 | |
| v. | Repair/renovation/improvement of existing link road behind new Bhasha Vidya Bhavana Building to Santiniketan Road near WBSEDCL Office, Bhubandanga | 10.00 | |
| vi. | Repair/renovation/improvement of existing road from the gate of Sangit Bhavana (from Santiniketan-Sriniketan road) to the gate near Hati Pukur via Ananda Sadan | 4.00 | |
| 5 | Repair/replacement of old damaged water connection pipelines and improvement of pumping system | 10.00 | |
| 6 | Repair/augmentation of electrical system in the campus | 10.00 | |
| Grand Total | | 150.00 | |

CHAPTER-6

University Finance

| Head of A/C | Actual 2015-16 (Rs. In lakh) | Actual 2016-17 (Rs. In lakh) |
|-------------------------------|------------------------------------|------------------------------------|
| RECEIPTS : UGC Grant | 21706.99 | 22108.16 |
| Self-Generation | 873.41 | 892.73 |
| TOTAL : | 22634.40 | 23000.89 |
| PAYMENTS : Pay & Allowance | 13248.76 | 13390.70 |
| Pension & Retirement Benefits | 6303.98 | 6442.43 |
| Non-Salary Expenditure | 1953.26 | 2085.67 |
| TOTAL : | 21506.00 | 21918.80 |

Statement for Grants Released and Expenditure for Annual Reports

| | | 2017-18 Rs. in Lakh | 2018-19 Rs. in Lakh | 2019-20 Rs. in Lakh | 2020-21 Rs. in Lakh |
|----------------|-------------------|------------------------|------------------------|------------------------|------------------------|
| Salary | Opening Balance | 2870.75 | 2359.25 | -349.69 | -185.97 |
| | Grants Released | 17562.61 | 15231.46 | 21000.00 | 18488.32 |
| | Expenditure | 18074.11 | 17940.40 | 20836.28 | 18397.72 |
| | Closing Balance | 2359.25 | -349.69 | -185.97 | -95.37 |
| Recurring | Opening Balance | 472.10 | 15.48 | -115.79 | -818.84 |
| | Grants Released | 6549.90 | 9114.52 | 10866.44 | 10601.19 |
| | Internal Receipts | 894.67 | 883.73 | 1045.24 | 1100.28 |
| | Expenditure | 7901.19 | 10129.52 | 12841.10 | 11469.27 |
| | Closing Balance | 15.48 | -115.79 | -1045.21 | -586.64 |
| Capital Assets | Opening Balance | 0.00 | 0.00 | 0.00 | 0.00 |
| | Grants Released | 1669.83 | 1225.00 | 900.00 | 631.04 |
| | Expenditure | 1177.26 | 939.34 | 400.01 | 458.00 |
| | Closing Balance | 492.57 | 285.66 | 499.99 | 173.04 |

APPENDIX-A

PRINCIPALS OF BHAVANAS

| Sl.No. | Name of the Principal | Name of the Bhavana |
|--------|--------------------------------|---------------------|
| 1 | Prof. Sarbajit Sengupta | Vidya-Bhavana |
| 2 | Prof. Debasis Bhattacharya | PSB |
| 3 | Prof. Kahnu Charan Sahoo | Vinaya- Bhavana |
| 4 | Prof. Taraprasad Chottopadhyay | Siksha-Bhavana |
| 5 | Prof. Amit Kumar Hazra | PSV |
| 6 | Prof. Pankaj Panwar | Kala-Bhavana |
| 7 | Prof. Swapan Kumar Ghosh | Sangit Bhavana |
| 8. | Prof. Mukteswar Nath Tiwary | Bhasha-Bhavana |

PATHA BHAVANA & SIKSHA SATRA

Principal

| Sl. No. | Name of the Principal | Name of the Bhavana |
|---------|-----------------------|---------------------|
| 1 | Smt. Bodhirupa Sinha | Patha-Bhavana |
| 2 | Smt. Siuli Sinha | Siksha-Satra |

APPENDIX- B

Heads of Bhasha-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|-----------------------------|---|
| 1 | Prof. Abhra Bose | Bengali |
| 2 | Prof. Mukteswar Nath Tiwary | English |
| 3 | Prof. Nilanjan Chakraborty | Coordinator, CMELLCS |
| 4 | Prof. Niranjan Jena | Sanskrit, Pali & Prakrit |
| 5 | Prof. Mukteswar Nath Tiwary | Hindi |
| 6 | Prof. Sabita Pradhan | Odia |
| 7 | Prof. Wasif Ahmad | Arabic, Persian Urdu Islamic Studies |
| 9 | Dr. Gita A. Keeni | Japanese |
| 10 | Dr. Avijit Banerjee | Chinese Language & Culture |
| 11 | Prof. Mukteswar Nath Tiwary | Act as HOD, Santali |
| 12 | Prof. Aruna Ranjan Mishra | In-Charge of Centre for Buddhist Studies |
| 13 | Dr. Soma Mukherjee | Professor-In-Charge, Centre for Comparative Literature. |
| 14 | Prof. Amal Pal | Co-ordinator of Tagore Studies |

Heads of Vidya-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|------------------------------|---|
| 1 | Prof. Saumay Chakrabarty | Economics & Politics |
| 2 | Prof. Syed Ejaz Hussain | History |
| 3 | Dr. Anil Kumar | AIHC & A |
| 4 | Prof. Premangshu Chakrabarty | Geography |
| 5 | Dr. Anup Barman | Philosophy & Comp. Religion |
| 6 | Prof. Biplab Loha Choudhury | In-Charge, Centre for Journalism & Mass Communication |
| 7 | Dr. Arnab Ghosh | Anthropology |

Heads of Siksha-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|------------------------------|-------------------------------------|
| 1 | Prof. Tapas Roy Mohapatra | Mathematics |
| 2 | Prof. Asmita Sen Gupta | Physics |
| 3 | Prof. Goutam Brahmachari | Chemistry |
| 4 | Prof. Narayan Chandra Mandal | Botany |
| 5 | Prof. Ansuman Chattopadhyay | Zoology |
| 6 | Prof. Alak Kumar Datta | Computer & System Sciences |
| 7 | Prof. Sudhansu Sekhar Maiti | Statistics |
| 8 | Dr. Amit Roy | Department of Bio-Technology |
| 9 | Prof. Pratap Kr. Padhy | Department of Environmental Studies |

| Sl. No. | Name of the Head | Department |
|---------|---------------------------------|---|
| 10 | Prof. Subrata Sinha | In-Charge, Integrated Science Education & Research Centre (ISERC) |
| 11 | Prof. Prasanta Kumar Chatterjee | In-Charge, Centre for Mathematics Education, (CME), Siksha-Bh. |

Heads of Vinaya-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|--------------------------|----------------------|
| 1 | Prof. Kahnu Charan Sahoo | Education |
| 2 | Prof. Sumanta Kr. Mondal | Physical- Education |
| 3 | Prof. Samiran Mondal | Yogic Art. & Science |

Heads of Kala-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|-----------------------------|----------------|
| 1 | Dr. Meghali Goswami | History of Art |
| 2 | Shri Debashish Mahalanobish | Design |
| 3 | Shri Sutanu Chatterjee | Sculpture |
| 4 | Shri Sanchayan Ghosh | Painting |
| 5 | Shri Arpan Mukherjee | Graphic Art |

Heads of Sangit-Bhavana, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|------------------------------|--------------------------------------|
| 1 | Prof. Sabyasachi Sarkhel | Hindustani Classical Music |
| 2 | Prof. Konjengbam Sunita Devi | Rabindra Sangit Dance & Drama (RSDD) |

Heads of PSV, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|-------------------------|---|
| 1 | Prof. Arabinda Mondal | Silpa-Sadana, PSV |
| 2 | Prof. Amit Kumar Hazra | Department of Lifelong Learning and Extension (REC) |
| 3 | Prof. Asok Kumar Sarkar | Social-Work, PSV |
| 4 | Prof. Sankar Majumder | PCK, PSV |

Heads of PSB, Visva-Bharati

| Sl. No. | Name of the Head | Department |
|---------|-----------------------------------|--|
| 1 | Prof. Binoy Kumar Saren | Agronomy |
| 2 | Prof. Goutam Kumar Ghosh | Soil Science and Agricultural Chemistry |
| 3 | Prof. Debasis Bhattacharya | Agricultural Engineering |
| 4 | Dr. Jayanta Kumar Chatterjee | Animal Science |
| 5 | Dr. Goutam Mandal | Horticulture and Post Harvest Technology |
| 6 | Prof. Siddhartha Dev Mukhopadhyay | Agricultural Extension |
| 7 | Dr. Amitava Paul | Genetics & Plant Breeding |

Appendix

| Sl. No. | Name of the Head | Department |
|----------------|----------------------------|-------------------------|
| 8 | Prof. Debasis Bhattacharya | Crop Physiology |
| 9 | Prof. Debashis Sarkar | Agricultural Economics |
| 10 | Prof. Debasis Bhattacharya | Agricultural Statistics |
| 11 | Prof. Hirak Chatterjee | Agricultural Entomology |
| 12 | Dr. Ranjan Nath | Plant Pathology |

APPENDIX-C

Functionaries of the University

| | |
|---|--|
| Paridarsaka (Visitor) | Shri Ram Nath Kovind The Hon'ble President of India |
| Acharya (Chancellor) | Shri Narendra Modi The Hon'ble Prime Minister of India |
| Pradhana (Rector) | Shri Jagdeep Dhankhar The Hon'ble Governor of West Bengal |
| Upacharya (Vice-Chancellor) | Prof. Bidyut Chakrabarty |
| Director, Granthana Vibhaga (Acting) | Prof. Amrit Sen |
| Director of Culture and Cultural Relations (Acting) | Prof. Amal Kumar Pal |
| Director of Physical Education, Sports, National Service and Student Welfare (Acting) | Prof. Narayan Chandra Mandal |
| Director, Indira Gandhi Centre | Prof. Sandip Basu Sarbadhikari |
| Finance Officer (Acting) | Prof. Prasanta Kumar Ghosh |
| Proctor | Prof. Sankar Majumder |
| Registrar (Acting) & Joint Registrar (Estate/Legal) | Shri Ashok Kumar Mahato |
| Deputy Director (Physical Education) | Dr. Sudarsan Biswas |

Officers of the University

| | |
|---------------------------------------|----------------------------|
| Joint Registrar (Examinations) | Dr. Debashis Chakrabarty |
| Joint Registrar (Establishment) | Shri Debasish Dutta |
| Joint Registrar (Accounts) | Dr. Sanjoy Ghosh |
| Joint Registrar (Academic & Research) | Dr. Prashant Meshram |
| Joint Registrar (Development) | Dr. Debashis Chakrabarty |
| Joint Finance Officer | Shri Gouranga Dutta |
| Joint Registrar (Granthana Vibhaga) | Dr. Prajnalankar Bhikkhu |
| Joint Registrar | Shri Soumyendra Sen |
| Deputy Registrar | Dr. Tanmay Nag |
| Deputy Registrar | Shri Prasanta Kumar Ghosh |
| Librarian (Acting) | Dr. Nimai Chand Saha |
| Computer Centre In-Charge | Shri Santosankar Dasgupta |
| University Engineer | Shri Amit Sengupta |
| Chief Medical Officer (Acting) | Dr. Arindam Chatterjee |
| Medical Officer | Dr. Santosh Kumar Das |
| Medical Officer | Dr. Debasis Ghosh Dastidar |
| Medical Officer | Dr. Ananda Mohan Das |
| Medical Officer | Dr. Anirban Dasgupta |
| Medical Officer | Dr. Mohit Saha |
| Medical Officer | Dr. Soumitra Samanta |

Appendix

| | |
|---------------------|----------------------------------|
| Medical Officer | Dr. Chandra Sekhar Kundu |
| Assistant Registrar | Shri Suranjan Ghosh |
| Assistant Registrar | Shri Daibaki Nandan Das |
| Assistant Registrar | Shri Utpal Hazra |
| Assistant Registrar | Shri Bratin Roy |
| Assistant Registrar | Shri Maloy Sutradhar |
| Assistant Registrar | Shri Anirban Sircar |
| Assistant Registrar | Shri Hillol Mukhopadhyay |
| Assistant Registrar | Shri Pradip Saha |
| Assistant Registrar | Smt. Sutapa Basu |
| Assistant Engineer | Shri Goutam Ghoshal |
| Assistant Engineer | Shri Anshuman Das |
| Assistant Engineer | Shri Snehadri Sekhar Chakraborty |

APPENDIX-D

List of Professor

| Sl. No. | Name of Faculty | Department / Bhavana |
|---------|---------------------------------|---|
| 1. | Prof. Vibhas Ch. Jha | Geography / Vidya Bhavana |
| 2. | Prof. Dulal Pal | Mathematics / Siksha Bhavana |
| 3. | Prof. Narottam Senapati | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 4. | Prof. Sarbajit Sengupta | Economics & Politics / Vidya Bhavana |
| 5. | Prof. R. Siva Kumar | History of Art / Kala Bhavana |
| 6. | Prof. Kailash Ch.Pattanaik | Odia / Bhasha Bhavana |
| 7. | Prof. Tara Prasad Chattopadhyay | Physics / Siksha Bhavana |
| 8. | Prof. Sabita Pradhan (Dai) | Odia / Bhasha Bhavana |
| 9. | Prof. Kashinath Bhattacharya | Botany / Siksha Bhavana |
| 10. | Prof. Asim Kumar Das | Chemistry / Siksha Bhavana |
| 11. | Prof. Prasanta Ghosh | Social Work / Palli Samgathana Vibhaga |
| 12. | Prof. Swapan Raha | Mathematics / Siksha Bhavana |
| 13. | Prof. Somnath Chakraborty | Physics / Siksha Bhavana |
| 14. | Prof. Sarthak Choudhury | Agricultural Extension, / Palli Siksha Bhavana |
| 15. | Prof. Monoranjan Pradhan | Odia / Bhasha Bhavana |
| 16. | Prof. Sandip Basu Sarbadhikary | History / Vidya Bhavana |
| 17. | Prof. Pankaj Panwar | Sculpture / Kala Bhavana |
| 18. | Prof. Arun Mondal | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 19. | Prof. Malay Mukhopadhyay | Geography / Vidya Bhavana |
| 20. | Prof. Rup Kumar Kar | Botany / Siksha Bhavana |
| 21. | Prof. Chakradhar Tripathi | Hindi / Bhasha Bhavana |
| 22. | Prof. Narayan Ch. Mondal | Botany / Siksha Bhavana |
| 23. | Prof. Benudhar Chinara | Education / Vinaya Bhavana |
| 24. | Prof. Debashis Bhattacharyya | Agricultural Statistics /Palli Siksha Bhavana |
| 25. | Prof. S.P Sinha Babu | Zoology / Siksha Bhavana |
| 26. | Prof. Mukteswar Nath Tiwary | Hindi / Bhasha Bhavana |
| 27. | Prof. Alok Kr. Dutta | Computer & System Sciences / Siksha Bhavana |
| 28. | Prof. Uma Sankar Malik | Geography / Vidya Bhavana |
| 29. | Prof. Amit Kumar Hazra | Life Long Learning and Extension/ Palli Samgathan Vibhage |
| 30. | Prof. Sankar Majumdar | Palli Charcha Kendra / Palli Samgathana Vibhaga |
| 31. | Prof. Paramartha Dutta | Computer & System Sciences / Siksha Bhavana |
| 32. | Prof. Mrinal Kanti Mondal | Bengali / Bhasha Bhavana |
| 33. | Prof. Niaz Ahmed Khan | Arabic, Persian, Urdu & Islamic Studies / Bhasha Bhavana |
| 34. | Prof. Sudipta Bhattacharya | Economics & Politics / Vidya Bhavana |
| 35. | Prof. Prasanta Chatterjee | Mathematics / Siksha Bhavana |

Appendix

| Sl. No. | Name of Faculty | Department / Bhavana |
|----------------|---------------------------------|--|
| 36. | Prof. Dilip Kumar Mitra | Painting / Kala Bhavana |
| 37. | Prof. Manas Maity | Physics / Siksha Bhavana |
| 38. | Prof. Nilanjan Chakraborty | Centre for Modern European Languagesm, Literatures and Culture Studies (French) / Bhasha Bhavana |
| 39. | Prof. Swapan Mondal | Physics / Siksha Bhavana |
| 40. | Prof. Sirajul Islam | Philosophy & Religion (Comparative Religion) / Vidya Bhavana |
| 41. | Prof. Arun Barik | Agronomy, / Palli Siksha Bhavana |
| 42. | Prof. Amal Kr. Paul | Bengali / Bhasha Bhavana |
| 43. | Prof. Sabyasachi Sarkhel | Hindusthani Classical Music (Sitar) / Sangit-Bhavana |
| 44. | Prof. Binay Kumar Soren | Agronomy/ Palli Siksha Bhavana |
| 45. | Prof. Santanu Roy | Zoology / Siksha Bhavana |
| 46. | Prof. Sumanta Kumar Mondal | Physical Education / Vinaya Bhavana |
| 47. | Prof. Shibani Chaudhury | Environmental Sciences / Siksha Bhavana |
| 48. | Prof. Indrani Mukhopadhyay | Rabindra Sangit Dance and Drama / Sangit Bhavana |
| 49. | Prof. Paresh Ch. Kole | Department of Genetics & plant Breeding / Palli Siksha Bhavana |
| 50. | Prof. Bipasha Raha | History / Vidya Bhavana |
| 51. | Prof. Asok Kr. Sarkar | Social Work /Palli Samgathana Vibhaga |
| 52. | Prof. Ranjan Nath | Plant Prathology / Palli Siksha Bhavana |
| 53. | Prof. Sudip Basu | Bengali / Bhasha Bhavana |
| 54. | Prof. HIRAK Chatterjee | Agricultural Entomology / Palli Siksha Bhavana |
| 55. | Prof. Debotosh Sinha | Social Work /Palli Samgathana Vibhaga |
| 56. | Prof. Aparna Roy (Bhattacharya) | Bengali / Bhasha Bhavana |
| 57. | Prof. Sutapa Mukhopadhyay | Geography / Vidya Bhavana |
| 58. | Prof. Lalita Chakraborty | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 59. | Prof. Pranesh Chowdhury | Chemistry / Siksha Bhavana |
| 60. | Prof. Goutam Ghosh | Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana |
| 61. | Prof. Asmita Sengupta | Physics / Siksha Bhavana |
| 62. | Prof. Pranab Sarkar | Chemistry / Siksha Bhavana |
| 63. | Prof. Ashis Bhattacharyya | Physics / Siksha Bhavana |
| 64. | Prof. Syed Ejaz Hussain | History / Vidya Bhavana |
| 65. | Prof. Abhra Bose | Bengali / Bhasha Bhavana |
| 66. | Prof. Tapas Kundu | Physics / Siksha Bhavana |
| 67. | Prof. Bidhan Chandra Roy | Agricultural Economics /Palli Siksha Bhavana |
| 68. | Prof. Kahnu Charan Sahoo | Education / Vinaya Bhavana |

Appendix

| Sl. No. | Name of Faculty | Department / Bhavana |
|----------------|-----------------------------------|---|
| 69. | Prof. Aruna Ranjan Mishra | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 70. | Prof. Snehasish Chakraborty | Horticulture & Post Harvest Technology / Palli Siksha Bhavana |
| 71. | Prof. Indrani Das | Centre for Modern European Languagesm, Literatures and Culture Studies (Italian) / Bhasha Bhavana |
| 72. | Prof. Biplab Loha Choudhury | Journalism and Mass Communication / Vidya Bhavana |
| 73. | Prof. Apurba Chattopadhyay | Economics & Politics / Vidya Bhavana |
| 74. | Prof. Goutam Brahmachari | Chemistry / Siksha Bhavana |
| 75. | Prof. Pijush Kanti Ghosh | Physics / Siksha Bhavana |
| 76. | Prof. Goutam Das | Design / Kala Bhavana |
| 77. | Prof. Sakuntala Misra | Hindi / Bhasha Bhavana |
| 78. | Prof. Ansuman Chattopadhyay | Zoology / Siksha Bhavana |
| 79. | Prof. Swadesh Ranjan Biswas | Botany / Siksha Bhavana |
| 80. | Prof. Debarati Bandyopadhyay. | English / Bhasha Bhavana |
| 81. | Prof. Madhabi Ruj | Rabindra Sangit Dance and Drama / Sangit Bhavana |
| 82. | Prof. Prashanta Kumar Mandal | Mathematics / Siksha Bhavana |
| 83. | Prof. Tapas Roy Mohapatra | Mathematics / Siksha Bhavana |
| 84. | Prof. Sumita Bhattacharya | Bengali / Bhasha Bhavana |
| 85. | Prof. Sanjoy Kumar Mallik | History of Art / Kala Bhavana |
| 86. | Prof. Siddhartha Deb Mukhopadhyay | Agricultural Extension, / Palli Siksha Bhavana |
| 87. | Prof. Utpal Roy | Computer & System Sciences / Siksha Bhavana |
| 88. | Prof. Samiran Mondal | Physical Education / Vinaya Bhavana |
| 89. | Prof. Sisir Kumar Sahana | Design (Ceremic) / Kala Bhavana |
| 90. | Dr. Madan Mohan Panja | Mathematics / Siksha Bhavana |
| 91. | Prof. Jagatram Bhattacharya | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 92. | Prof. Padmini Balaram | Silpa Sadana (Design) / Palli Samgathana Vibhaga |
| 93. | Prof. Rabindranath Mishra | Hindi / Bhasha Bhavana |
| 94. | Prof. Manabendra Nath Saha | Bengali / Bhasha Bhavana |
| 95. | Prof. Sudhansu Sekhar Maiti | Statistics / Siksha Bhavana |
| 96. | Prof. Swastika Mukhopadhyay | Rabindra Sangit Dance and Drama / Sangit Bhavana |
| 97. | Prof. Amrit Sen | English / Bhasha Bhavana |
| 98. | Prof. Amitava Paul | Genetics & plant Breeding / Palli Siksha Bhavana |
| 99. | Prof. Dipak Mondal | Zoology / Siksha Bhavana |
| 100. | Prof. Souvik Ghosh | Agricultural Extension, / Palli Siksha Bhavana |

Appendix

| Sl. No. | Name of Faculty | Department / Bhavana |
|----------------|------------------------------|---|
| 101. | Prof. Samar Kr. Saha | Zoology / Siksha Bhavana |
| 102. | Prof. Swapan Kr. Ghosh. | Hindusthani Classical Music (Tabla & Pakhwaj)/ Sangit- Bhavana |
| 103. | Prof. Basavi Mukherji | Hindusthani Classical Music (Kheyal)/ Sangit Bhavana |
| 104. | Prof. Buddhadev Das | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 105. | Prof. Y. Hemant Kumar | Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana |
| 106. | Prof. Konjengbam Sunita Devi | Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana |
| 107. | Prof. Amit Ray | Bio Technology / Siksha Bhavana |
| 108. | Prof. Sruti Bandyopadhyay | Rabindra Sangit Dance & Drama / (Manipuri Dance), Sangit Bhavana |
| 109. | Prof. Rajarshi Roy | Education / Vinaya Bhavana |
| 110. | Prof. Sanjib Kr Das | Indo Tibetan Studies / Bhasha Bhavana |
| 111. | Prof. Avijit Banerjee | Chinese / Bhasha Bhavana |
| 112. | Prof. Gourab Kanti Das | Chemistry / Siksha Bhavana |
| 113. | Prof. Premanghsu Chakrabarty | Geography / Vidya Bhavana |
| 114. | Prof. Bhabatosh Mandal | Chemistry / Siksha Bhavana |
| 115. | Prof. Swapan Kumar Chandra | Chemistry / Siksha Bhavana |
| 116. | Prof. Subrata Mondal | Botany / Siksha Bhavana |
| 117. | Prof. Pratap Kumar Padhy | Environmental Science / Siksha Bhavana |
| 118. | Prof. Swati Ganguly | English / Bhasha Bhavana |
| 119. | Prof. Subhasis Ray | Mathematics / Siksha Bhavana |
| 120. | Prof. Dibyendu Banerjee | Mathematics / Siksha Bhavana |
| 121. | Prof. Ganesh Ch. Malik | Agronomy, / Palli Siksha Bhavana |
| 122. | Prof. Debashis Sarkar | Agricultural Economics /Palli Siksha Bhavana |
| 123. | Prof. Niranjan Jena | Sanskrit, Pali & Prakrit / Bhasha Bhavana |
| 124. | Prof. Tarapada Bag | Mathematics / Siksha Bhavana |
| 125. | Prof. Larisha M. Lyndem | Zoology / Siksha Bhavana |
| 126. | Prof. Manjari Bhattacharji | Geography / Vidya Bhavana |
| 127. | Prof. Wasif Ahmad | Arabic, Persian, Urdu & Islamic Studies (Arabic) / Bhasha Bhavana |
| 128. | Prof. Santanu Rakshit | Palli Charcha Kendra (Rural Development) / Palli Samgathana Vibhaga |
| 129. | Prof. Bijoy Krishna Dolui | Chemistry / Siksha Bhavana |
| 130. | Prof. Subrata Sinha | Integrated Science Education & Research Centre / Siksha Bhavana |
| 131. | Prof. Saumya Chakrabarti | Economics & Politics / Vidya Bhavana |

| Sl. No. | Name of Faculty | Department / Bhavana |
|---------|---------------------------------|--|
| 132. | Prof. Choudhury Habibur Rahaman | Botany / Siksha Bhavana |
| 133. | Prof. Manabendra Mukhopadhyay | Bengali / Bhasha Bhavana |
| 134. | Prof. Anil Kumar | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 135. | Prof. Arabinda Mondal | Silpa Sadana (Ceramic/Pottery) / Palli Samgathana Vibhaga |
| 136. | Prof. Bikash Chandra Gupta | Physics / Siksha Bhavana |
| 137. | Prof. Sujit Kumar Paul | Life Long Learning and Extension(REC) / Palli Samgathana Vibhaga |
| 138. | Prof. Tathagata Chaudhuri | Bio Technology / Siksha Bhavana |
| 139. | Prof. Adinath Majee | Chemistry / Siksha Bhavana |
| 140. | Prof. Sudipta Maitra | Zoology / Siksha Bhavana |
| 141. | Prof. Gopal Chandra Saha | Physical Education / Vinaya Bhavana |

List of Associate Professor

| Sl. No. | Name of Faculty | Department / Bhavana |
|---------|------------------------------|--|
| 1. | Dr. Rafiqul Islam | Life Long Learning and Extension / Palli Samgathana Vibhaga |
| 2. | Dr. Jayanta Kumar Chatterjee | Animal Science / Palli Siksha Bhavana |
| 3. | Dr. Romit Roy | German / Bhasha Bhavana |
| 4. | Dr. Gita A. Keeni | Japanese / Bhasha Bhavana |
| 5. | Dr. Bikash Mukherjee | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 6. | Shri Swapan Hazra | Social work / Palli Samgathana Vibhaga |
| 7. | Shri Sakshi Gopal Das | Design / Kala Bhavana |
| 8. | Smt. Tandrima Pattrea | Chinese / Bhasha Bhavana |
| 9. | Shri Anup Barman | Philosophy & Religion / Vidya Bhavana |
| 10. | Shri Ram Prasad Das | Social Work / Palli Samgathana Vibhaga |
| 11. | Dr. Tanuka Das | English / Bhasha Bhavana |
| 12. | Shri Ajit Seal | Graphic Art / Kala Bhavana |
| 13. | Dr. Sreekantha Sil | Physics / Siksha Bhavana |
| 14. | Dr. Sumitabha Paul | Sculpture / Kala Bhavana |
| 15. | Dr. Santadas Ghosh | Economics & Politics / Vidya Bhavana |
| 16. | Shri Tathagata Mukhopadhyay | Computer & System Sciences / Siksha Bhavana |
| 17. | Shri Vishal C Bhand | Silpa Sadana (Design) / Palli Samgathana Vibhaga |
| 18. | Dr Kousik Bhattacharya | Philosophy & Religion / Vidya Bhavana |
| 19. | Dr. Aparna Saha | Physics / Siksha Bhavana |
| 20. | Dr. Arpita Sen | History / Vidya Bhavana |

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| Sl. No. | Name of Faculty | Department / Bhavana |
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| 21. | Dr. Buddhadev Duary | Agronomy, Palli Siksha Bhavana |
| 22. | Dr. Nirmal Kr. Mondal | Bengali / Bhasha Bhavana |
| 23. | Dr. Rita Modak | Bengali / Bhasha Bhavana |
| 24. | Shri Mohan Kumaran P. | Rabindra Sangit Dance and Drama (Kathakali Dance) / Sangit Bhavana |
| 25. | Dr. Manjari Chakrabarty | Philosophy & Religion / Vidya Bhavana |
| 26. | Shri Debashish Mahalanobish | Design / Kala Bhavana |
| 27. | Shri Arghya Priya Majumder | Painting / Kala Bhavana |
| 28. | Dr. M. Alankara Masillamani | Palli Charcha Kendra (Rural Development) / Palli Samgathana Vibhaga |
| 29. | Dr. Sarita Khettry | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 30. | Dr. Sutanu Chatterjee | Sculpture / Kala Bhavana |
| 31. | Dr. Arpan Mukherjee | Graphic Art / Kala Bhavana |
| 32. | Dr. Sanchayan Ghosh | Painting / Kala Bhavana |
| 33. | Dr. Biplab Raychaudhuri | Physics / Siksha Bhavana |
| 34. | Shri Santanu Jena | Silpa Sadana (Design) / Palli Samgathana Vibhaga |
| 35. | Dr. Paramita Roy (Choudhuri) | Social Work / Palli Samgathana Vibhaga |
| 36. | Dr. Mousumi Bhattacharya | Journalism and Mass Communication / Vidya Bhavana |
| 37. | Dr. Atanu Sasmal | Bengali / Bhasha Bhavana |
| 38. | Dr. Shreela Basu | Bengali / Bhasha Bhavana |
| 39. | Shri Prasanta Kumar Ghosh | Rabindra Sangit Dance & Drama / Sangit Bhavana |
| 40. | Dr. Rathindra Nath Pramanik | Palli Charcha Kendra (Economics) / Palli Samgathana Vibhaga |
| 41. | Dr. Sushanta Ghosh | Integrated Science / Siksha Bhavana |
| 42. | Dr. Sudarsan Biswas | Physical Education / Vinaya Bhavana |
| 43. | Dr. Sudev Pratim Basu | English / Bhasha Bhavana |
| 44. | Dr. Bidhan Chandra Bag | Chemistry / Siksha Bhavana |
| 45. | Dr. Matilal Kalai | Sculpture / Kala Bhavana |
| 46. | Dr. Pabitra Kumar Biswas | Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana |
| 47. | Dr. Amarendra Kumar | History / Vidya Bhavana |
| 48. | Dr. Goutam Mondal | Horticulture & Post Harvest Technology / Palli Siksha Bhavana |
| 49. | Dr. Mahesh Swata Khetmalish | Physical Education / Vinaya Bhavana |
| 50. | Dr. Pulak Kumar Patra | Environmental Studies / Siksha Bhavana |
| 51. | Dr. Harekrushna Mishra | Sanskrit, Pali & Prakrit / Bhasha Bhavana |
| 52. | Dr. Joydip Mandal | Horticulture & Post Harvest Technology / Palli Siksha Bhavana |

| Sl. No. | Name of Faculty | Department / Bhavana |
|---------|------------------------------|---|
| 53. | Shri Rajarshi Biswas | Painting / Kala Bhavana |
| 54. | Dr. Meghali Goswami | History of Art / Kala Bhavana |
| 55. | Smt. Banatanwi Das Mahapatra | Design / Kala Bhavana |
| 56. | Dr. Biswajit Mondal | Economics & Politics / Vidya Bhavana |
| 57. | Dr. Shyamsundar Bairagya | Education / Vinaya Bhavana |
| 58. | Dr. Amit Kumar Biswas | Economics & Politics / Vidya Bhavana |
| 59. | Dr. Prabir Kumar Chowdhuri | Silpa Sadana (Weaving) / Palli Sangathana – Vibhaga |
| 60. | Dr. Ashis Mitra | Silpa Sadana (Weaving) / Palli Samgathana Vibhaga |
| 61. | Dr. Ananya Dutta Gupta | English / Bhasha Bhavana |
| 62. | Dr. Soma Chunari | Botany / Siksha Bhavana |
| 63. | Dr. S. Balachandran | Environmental Science / Siksha Bhavana |
| 64. | Dr. Sanjoy Kumar Mondal | Sanskrit, Pali & Prakrit / Bhasha Bhavana |
| 65. | Dr. Saurav Dasthakur | English / Bhasha Bhavana |
| 66. | Dr. Dipankar Roy | English / Bhasha Bhavana |
| 67. | Dr. Biswajit Roy | Bengali / Bhasha Bhavana |
| 68. | Shri Soumyadip Chattopadhyay | Economics & Politics / Vidya Bhavana |
| 69. | Dr. Sankar Roy Maulik | Silpa Sadana (Dyeing) / Palli Samgathana Vibhaga |
| 70. | Dr. Arnab Ghosh | Anthropology / Vidya Bhavana |
| 71. | Dr. Amar Prasad Mishra | Mathematics / Siksha Bhavana |
| 72. | Dr. Anjan Kumar Bhuniya | Mathematics / Siksha Bhavana |
| 73. | Dr. Manas Ghosh | Chemistry / Siksha Bhavana |
| 74. | Dr. P. Kandaswami | Agricultural Engineering / Palli Siksha Bhavana |
| 75. | Dr. Alakananda Hajra | Chemistry / Siksha Bhavana |
| 76. | Dr. Naznin Ara Begum | Chemistry / Siksha Bhavana |
| 77. | Dr. . Anindita Saha | Agricultural Extension, / Palli Siksha Bhavana |

List of Assistant Professor

| Sl. No. | Name of the Faculty | Department / Bhavana |
|---------|----------------------------|---|
| 1. | Shri Soumik Nandi Majumder | History of Art / Kala Bhavana |
| 2. | Shri Arani Chakraborti | Physics / Siksha Bhavana |
| 3. | Shri Angshuman Dasgupta | History of Art / Kala Bhavana |
| 4. | Shri Arunabha Das | History / Vidya Bhavana |
| 5. | Smt. Shyamali Sengupta | Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga |
| 6. | Shri Partha Pratim Sikdar | Education / Vinaya Bhavana |
| 7. | Smt. Kakali Datta | Computer & System Sciences / Siksha Bhavana |
| 8. | Shri Subhayu Chattopadhyay | History / Vidya Bhavana |

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| 9. | Dr.Uttam Kumar Sikdar | Economics & Politics / Vidya Bhavana |
| 10. | Shri Ambarish Nandan | Painting / Kala Bhavana |
| 11. | Dr.Sumit Basu | Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana |
| 12. | Shri Prashanta Sahoo | Painting / Kala Bhavana |
| 13. | Shri Monojit Mallik | Hindusthani Classical Music (Vocal) / Sangit Bhavana |
| 14. | Shri Basanta Mukherjee | Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana |
| 15. | Smt. Prakriti Chakraborty | Indo-Tibetan Studies / Bhasha Bhavana |
| 16. | Shri Subhasis Banerjee | Computer & System Sciences / Siksha Bhavana |
| 17. | Dr. Shedup Tenzin | Indo-Tibetan Studies / Bhasha Bhavana |
| 18. | Smt. Sanchita Pal Choudhuri | Computer & System Sciences / Siksha Bhavana |
| 19. | Shri Palash Mondal | Agricultural Entomology / Palli Siksha Bhavana |
| 20. | Shri Sandip Kumar Ghosh | Hindusthani Classical Music (Tabla & Pakhwaj) / Sangit Bhavana |
| 21. | Shri Chiranjib Sinha | Chinese / Bhasha Bhavana |
| 22. | Smt. Gargi Bhattacharya | Sanskrit, Pali & Prakrit / Bhasha Bhavana |
| 23. | Smt. Hem Kusum | Chinese / Bhasha Bhavana |
| 24. | Dr. Debasis Panda | Crop Physiology / Palli Siksha Bhavana |
| 25. | Dr. Swapan Kumar Maity | Agronomy, / Palli Siksha Bhavana |
| 26. | Smt. Suchhanda Mondal | Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana |
| 27. | Shri Sanat Kumar Rath | Education / Vinaya Bhavana |
| 28. | Shri P. Mukunda Kumar | Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana |
| 29. | Dr. Prohlad Roy | Education / Vinaya Bhavana |
| 30. | Shri Mohan Kumar Biswas | Plant Prathology / Palli Siksha Bhavana |
| 31. | Dr. Swapan Kumar Mondal | Physics / Siksha Bhavana |
| 32. | Shri Arindam Chakraborty | Statistics / Siksha Bhavana |
| 33. | Dr. Milan Kanti Biswas | Bengali / Bhasha Bhavana |
| 34. | Shri Kamal Dhar | Sculpture / Kala Bhavana |
| 35. | Shri Achiransu Acharya | Economics & Politics / Vidya Bhavana |
| 36. | Smt. Mousumi Roy | Philosophy & Religion (Religion) / Vidya Bhavana |
| 37. | Shri Rishi Barua | Sculpture / Kala Bhavana |
| 38. | Dr. Nilanjana Das | Bio-Technology / Siksha Bhavana |
| 39. | Dr. Ajoy Kumar Das | Japanese / Bhasha Bhavana |
| 40. | Dr. Buddhadev Mukherjee | Physics / Siksha Bhavana |
| 41. | Dr. Subhas Ch. Roy | Hindi / Bhasha Bhavana |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| 42. | Dr. Jagadish Bhagat | Hindi / Bhasha Bhavana |
| 43. | Shri Tapas Chatterjee | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 44. | Smt. Jaya Boro | Silpa Sadana (Pottery/ Ceramics) / Palli Samgathana Vibhaga |
| 45. | Shri Manoj Kumar Projapati | Silpa Sadana (Pottery) / Palli Samgathana Vibhaga |
| 46. | Shri Ashish Ghosh | Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga |
| 47. | Dr. Kalipada Pramanik | Agronomy, / Palli Siksha Bhavana |
| 48. | Shri Salil Sahani | Graphic Art / Kala Bhavana |
| 49. | Shri Subhas Chandra Tudu | Physics / Siksha Bhavana |
| 50. | Shri Naba Kumar Majhi | Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga |
| 51. | Shri Deb Kumar Das | Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga |
| 52. | Shri Mrinal Kanti Sarkar | Silpa Sadana (Weaving) / Palli Samgathana Vibhaga |
| 53. | Dr. Jnanendra Rath | Botany / Siksha Bhavana |
| 54. | Smt. Pramila Patulia | Odia / Bhasha Bhavana |
| 55. | Dr. Bina Gandhi Deori | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 56. | Smt. Sangita Saikia | Asamese / Bhasha Bhavana |
| 57. | Shri K. Mavali Rajan | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 58. | Dr. Adani Lokho | Botany / Siksha Bhavana |
| 59. | Dr. Chhaya Rani Mandal | Hindusthani Classical Music (Vocal) / Sangit Bhavana |
| 60. | Dr. Mahua Banerjee | Agronomy, / Palli Siksha Bhavana |
| 61. | Smt. Sukanya Chatterjee | Silpa Sadana (Wood work) / Palli Samgathana Vibhaga |
| 62. | Dr. Subhasish Roy | Physics / Siksha Bhavana |
| 63. | Smt. Hema Gupta (Joshi) | Botany / Siksha Bhavana |
| 64. | Smt. Bula Singh | Chemistry / Siksha Bhavana |
| 65. | Dr. Mothin Seikh | Chemistry / Siksha Bhavana |
| 66. | Dr. Kartik Ch. Bhowmik | Chemistry / Siksha Bhavana |
| 67. | Shri Bomba Dam | Botany / Siksha Bhavana |
| 68. | Shri Tirthankar Ghosh | Statistics / Siksha Bhavana |
| 69. | Dr. Mahasweta Nandi | Integrated Science / Siksha Bhavana |
| 70. | Dr. Umesh Kumar Singh | Integrated Science / Siksha Bhavana |
| 71. | Dr. Swapan Kumar Pandit | Integrated Science / Siksha Bhavana |
| 72. | Dr. Jyoti Ratan Ghosh | Anthropology / Vidya Bhavana |
| 73. | Shri Sanat Hansda | Santhali / Bhasha Bhavana |
| 74. | Dr. Payel Mukherjee | Bengali / Bhasha Bhavana |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| 75. | Dr. Sarata Kumar Jena | Odia / Bhasha Bhavana |
| 76. | Dr. Jolly Basak | Bio-Technology / Siksha Bhavana |
| 77. | Shri Aditya Sow Mondal | Physics / Siksha Bhavana |
| 78. | Dr. Rangya Gachui | Anthropology / Vidya Bhavana |
| 79. | Dr. Pritilaxmi Swain | Sanskrit, Pali & Prakrit / Bhasha Bhavana |
| 80. | Dr. Nilanjana Bhattacharya | Linguistics & Comparative Literature / Bhasha Bhavana |
| 81. | Dr. Dhaneshwar Majhi | Santhali / Bhasha Bhavana |
| 82. | Dr. Arjun Kumar | Hindi / Bhasha Bhavana |
| 83. | Shri Biswajit Haldar | Economics & Politics / Vidya Bhavana |
| 84. | Dr. Amitava Bandyopadhyay | Physics / Siksha Bhavana |
| 85. | Shri Atreya Bhatta | Chinese / Bhasha Bhavana |
| 86. | Smt. Eshita Chakraborty | Hindusthani Classical Music (Vocal) / Sangit- Bhavana |
| 87. | Dr. Surjya Kumar Saikia | Zoology / Siksha Bhavana |
| 88. | Shri Ranavir Sumedh Bhagwan | Marathi / Bhasha Bhavana |
| 89. | Dr. Pum Khan Pau | History / Vidya Bhavana |
| 90. | Shri Rajesh Menon N. | Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana |
| 91. | Shri Ranajit Das | Hindusthani Classical Music (Tabla, Pakhwaj & Khole) / Sangit Bhavana |
| 92. | Shri Debdas Kundu | Chinese / Bhasha Bhavana |
| 93. | Shri Narottam Dey | Bio-Technology / Siksha Bhavana |
| 94. | Shri Kalyan Hansda | Mathematics / Siksha Bhavana |
| 95. | Shri Biswajit Dey | Chemistry / Siksha Bhavana |
| 96. | Smt. Saran Ishika Maiti | Statistics / Siksha Bhavana |
| 97. | Dr. Rabindra Kumar Das | Odia / Bhasha Bhavana |
| 98. | Dr. Amit Kumar Verma | Hindusthani Classical Music (Tabla) / Sangit Bhavana |
| 99. | Dr. M.P. Terence Samuel | Philosophy & Religion / Vidya Bhavana |
| 100. | Dr. Bholanath Mondal | Plant Prathology / Palli Siksha Bhavana |
| 101. | Dr. Biswajit Pandey | Physics / Siksha Bhavana |
| 102. | Dr. Vasudeva Rao.Y | Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana |
| 103. | Dr. Sudipta Das | Physics / Siksha Bhavana |
| 104. | Dr. Tapu Biswas | English / Bhasha Bhavana |
| 105. | Dr. Sabyasachi Dasgupta | History / Vidya Bhavana |
| 106. | Dr. Samiran Saha | Bio-Technology / Siksha Bhavana |
| 107. | Dr. Dukhia Murmu | Santhali / Bhasha Bhavana |
| 108. | Dr. Chitralekha Maiti | Education / Vidya Bhavana |
| 109. | Shri Mansaram Murmu | Santhali / Bhasha Bhavana |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| 110. | Dr. (Ms.) Sarita | Education / Vinaya Bhavana |
| 111. | Smt. Soma Mukherjee | Linguistics & Comparative Literature / Bhasha Bhavana |
| 112. | Dr. Sudhi Mandloi | History / Vidya Bhavana |
| 113. | Dr. Nilanjan Bandyopadhyay | Integrated Science / Siksha Bhavana |
| 114. | Dr. Lakshmi Narayan Guin | Mathematics / Siksha Bhavana |
| 115. | Shri Tapan Soren | Santhali / Bhasha Bhavana |
| 116. | Dr. Ramu Hembram | Santhali /Bhasha Bhavana |
| 117. | Shri Senthil Prakash S. | Tamil / Bhasha Bhavana |
| 118. | Smt. Anamika Moktan | Economics & Politics / Vidya Bhavana |
| 119. | Dr. Ram Promal Kumar | Sanskrit Pali & Prakrit / Bhasha Bhavana |
| 120. | Dr. Atiqur Rahaman | Arabic, Persian, Urdu & Islamic Studies (Arabic) / Bhasha Bhavana |
| 121. | Shri Bhairie Lal Yadav | Geography / Vidya Bhavana |
| 122. | Dr. Remya V.P. | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 123. | Dr. Rekha Ojha | Philosophy & Religion / Vidya Bhavana |
| 124. | Dr. Sonam Zangpo | Indo-Tibetan Studies / Bhasha Bhavana |
| 125. | Dr. Krishnendu Gupta | Geography / Vidya Bhavana |
| 126. | Dr. Nihar Ranjan Chakraborty | Genetics & plant Breeding / Palli Siksha Bhavana |
| 127. | Sk. Sahajahan | Painting / Kala Bhavana |
| 128. | Dr. Rishav Gandhar Narzary | History of Art / Kala Bhavana |
| 129. | Smt. Arpita Dutta (nee Das) | Rabindra Sangit Dance & Drama / Sangit -Bhavana |
| 130. | Dr. Sukumar Pal | Social Work / Palli Samgathana -Vibhaga |
| 131. | Dr. Nikhil Pal | Mathematics / Siksha Bhavana |
| 132. | Shri Uttam Kumar Basak | Graphic Art / Kala Bhavana |
| 133. | Shri Moirangthem Thomas Singh | Graphic Art / Kala Bhavana |
| 134. | Dr. Digvijay Singh Dhakre | Agricultural Statistics /Palli Siksha Bhavana |
| 135. | Shri Sucheendranathan P.K. | Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana |
| 136. | Smt. Sharmila Yadav | Education / Vinaya Bhavana |
| 137. | Shri Amit Kumar Dhara | Sculpture / Kala Bhavana |
| 138. | Shri Rajesh K. V. | Rabindra Sangit Dance & Drama (Drama) / Sangit Bhavana |
| 139. | Smt. Sudeshna Saha | Social Work / Palli Samgathana Vibhaga |
| 140. | Shri Nilmani Jaysawal | Social Work / Palli Samgathana Vibhaga |
| 141. | Dr. Kishore Ch. Swain | Agricultural Engineering / Palli Siksha Bhavana |
| 142. | Dr. Sudip Kumar Mondal | Chemistry / Siksha Bhavana |
| 143. | Shri. Madi Linda | Design / Kala Bhavana |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| 144. | Shri Debasish Das | Design / Kala Bhavana |
| 145. | Dr. Archana Das | Design / Kala Bhavana |
| 146. | Dr. Prahlad Dev | Horticulture & Post Harvest Technology / Palli Siksha Bhavana |
| 147. | Smt. Dharitri Boro | Painting / Kala Bhavana |
| 148. | Dr. Sananda Mondal | Crop Physiology / Palli Siksha Bhavana |
| 149. | Dr. Bitan Mondal | Agricultural Economics / Palli Siksha Bhavana |
| 150. | Shri Anupam Chaudhury | Design / Kala Bhavana |
| 151. | Shri Prashant Phiringhi | Graphic Art / Kala Bhavana |
| 152. | Shri Lawanshaibha Kharmawlong | Sculpture / Kala Bhavana |
| 153. | Dr. Subhrangshu Santra | Life Long Learning and Extension / Palli Samgathana Vibhaga |
| 154. | Dr. Susmita Patel | Social Work / Palli Samgathana Vibhaga |
| 155. | Dr. Rakesh Kundu | Zoology / Siksha Bhavana |
| 156. | Dr. Prithidipa Sahoo | Chemistry / Siksha Bhavana |
| 157. | Dr. Sutapa Mukherjee | Zoology / Siksha Bhavana |
| 158. | Dr. Soumalya Mukhopadhyay | Statistics / Siksha Bhavana |
| 159. | Dr. Subhashree Sanyal | Social Work / Palli Samgathana Vibhaga |
| 160. | Dr. Madhusudan Pal | Computer & System Sciences / Siksha Bhavana |
| 161. | Dr. Narayan Chandra Sarkar | Agronomy, / Palli Siksha Bhavana |
| 162. | Dr. Gireesh A | Integrated Science / Siksha Bhavana |
| 163. | Dr. Swarnali Bhattacharya | Agricultural Entomology / Palli Siksha Bhavana |
| 164. | Dr. Manik Chandra Kundu | Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana |
| 165. | Smt. Sanhita Chatterjee | Journalism and Mass Communication / Vidya Bhavana |
| 166. | Ms. Shruti Kumud | Hindi / Bhasha Bhavana |
| 167. | Smt. Bhavna Khajuria Basumatary | Design / Kala Bhavana |
| 168. | Dr. Indramani Sahoo | Odia / Bhasha Bhavana |
| 169. | Dr. Nandita Basu Sarbadhikary | Rabindra Sangit Dance & Drama / Sangit Bhavana |
| 170. | Dr. Manini Mukhopadhyay | Rabindra Sangit Dance & Drama / Sangit Bhavana |
| 171. | Shri Saptarshi Ray | Rabindra Sangit Dance & Drama / Sangit Bhavana |
| 172. | Shri Surajit Roy | Rabindra Sangit Dance & Drama / Sangit Bhavana |
| 173. | Dr. Rajkumar Singh | Physics / Siksha Bhavana |
| 174. | Dr. Suchira Roy Choudhury | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 175. | Shri Manas Bhul | Rabindra Sangit Dance & Drama / Sangit -Bhavana |
| 176. | Shri Sajad Hussain Hamdani | Sculpture / Kala Bhavana |
| 177. | Dr. Nandlal Mondal | Botany / Siksha Bhavana |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| 178. | Smt. Sahana Barik | English / Bhasha Bhavana |
| 179. | Dr. Norbu Gyaltzen Negi | Indo-Tibetan Studies / Bhasha Bhavana |
| 180. | Dr. Sudipta Das | Japanese / Bhasha Bhavana |
| 181. | Shri N. P. Sankarnarayan | Rabindra Sangit Dance & Drama (Chanda) / Sangit Bhavana |
| 182. | Smt. T. Gyanapati Devi | Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana |
| 183. | Shri Sitaram Das | Hindusthani Classical Music (Tabla) / Sangit Bhavana |
| 184. | Shri Animesh Chandra Chandra | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 185. | Shri Subhayu Sen Majumder | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 186. | Shri Abir Singha Khangura | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 187. | Shri Alok Bandopadhyay | Hindusthani Classical Music (Esraj) / Sangit Bhavana |
| 188. | Dr. Monaj Kumar Sharma | Hindusthani Classical Music (Sitar) / Sangit Bhavana |
| 189. | Dr. Prasenjit Saha | Education / Vidya Bhavana |
| 190. | Smt. Farha Naaz | Philosophy & Religion (Religion) / Vidya Bhavana |
| 191. | Dr. Shilpi Ghosh | Education / Vidya Bhavana |
| 192. | Smt. Moumita Laha | Social Work / Palli Samgathana Vibhaga |
| 193. | Dr. Ranjini Ramachandran | Hindusthani Classical Music (Vocal) / Sangit Bhavana |
| 194. | Smt. Sudipta Sarkar | Geography / Vidya Bhavana |
| 195. | Dr. Atig Ghosh | History / Vidya Bhavana |
| 196. | Shri Sourav Rana | Statistics / Siksha Bhavana |
| 197. | Dr. Amartya Mukherjee | Rabindra Sangit Dance & Drama (Drama) / Sangit Bhavana |
| 198. | Dr. Biplob Biswas | Rabindra Sangit Dance & Drama (Drama & Theatre Art) / Sangit Bhavana |
| 199. | Dr. Anagha Chakraborty | Physics / Siksha Bhavana |
| 200. | Dr. Mrityunjoy Kumar Prabhakar | Rabindra Sangit Dance & Drama (Drama & Theatre Art) / Sangit - Bhavana |
| 201. | Shri Abhijit Thander | Physical Education / Vinaya Bhavana |
| 202. | Dr. Sentu Mitra | Physical Education / Vinaya Bhavana |
| 203. | Dr. Tanusree Paul | Women Studies Centre |
| 204. | Dr. Kallol Chatterjee | Physical Education / Vinaya Bhavana |
| 205. | Dr. Aditi Ganeev Sangwan | Graphic Art / Kala Bhavana |
| 206. | Shri Umakant Prasad | Education / Vinaya Bhavana |
| 207. | Smt. Soumi Mandal | Education / Vinaya Bhavana |
| 208. | Dr. Aliul Azim | Japanese / Bhasha Bhavana |
| 209. | Ms. Stuti Mamen | English / Bhasha Bhavana |
| 210. | Dr. Priya Brata Dutta | Economics & Politics / Vidya Bhavana |
| 211. | Dr. Dheeman Bhattacharyya | Linguistics & Comparative Literature / Bhasha |

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| Sl. No. | Name of the Faculty | Department / Bhavana |
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| | | Bhavana |
| 212. | Dr. Anjalika Maithy Roy | Botany / Siksha Bhavana |
| 213. | Dr Swarup Kr. Majee | Physics / Siksha Bhavana |
| 214. | Shri Shubra Jyoti Das | Philosophy & Religion (Religion) / Vidya Bhavana |
| 215. | Dr. Sandip Debnath | Genetics & plant Breeding / Palli Siksha Bhavana |
| 216. | Shri Sujay Mondal | Philosophy & Religion / Vidya Bhavana |
| 217. | Shri Debaditya Barman | Computer & System Sciences / Siksha Bhavana |
| 218. | Dr. Pritam Ghosh | Agronomy, / Palli Siksha Bhavana |
| 219. | Dr. Ashoke Mukherjee | Physical Education / Palli Siksha Bhavana |
| 220. | Dr. Kader Ali Sarkar | Agricultural Statistics /Palli Siksha Bhavana |
| 221. | Sri Subhash Kr. Thakur | Centre for Modern European Languagesm, Literatures and Culture Studies (Russian)/Bhasha Bhavana |
| 222. | Sri Nipun Nutan | Centre for Modern European Languagesm, Literatures and Culture Studies (French)/Bhasha Bhavana |
| 223. | Ms. Rekha Ningthoujam | Physical Education / Vinaya Bhavana |
| 224. | Ms. Arpita Paul | Japanese / Bhasha Bhavana |
| 225. | Dr. Reuben Philip Mathew | Centre for Modern European Languagesm, Literatures and Culture Studies (German)/ Bhasha Bhavana |
| 226. | Dr. Lipsy Jhon L | Physical Education / Vinaya Bhavana |
| 227. | Ms. Sunita Acharya | Centre for Modern European Languagesm, Literatures and Culture Studies (Russian)/ Bhasha Bhavana |
| 228. | Dr. Awashes Subba | Physical Education / Vinaya Bhavana |
| 229. | Shri Suman Bhattacharya | Rabindra Sangit Dance & Drama / Sangit - Bhavana |
| 230. | Shri Kaustav Karmakar | Rabindra Sangit Dance & Drama / Sangit - Bhavana |
| 231. | Shri Shuvankar Mondal | Rabindra Sangit Dance & Drama / Sangit - Bhavana |
| 232. | Shri L. Lamminthang Simte | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 233. | Ms. Sujata Rakshit | Ancient Indian History Culture & Archaeology / Vidya Bhavana |
| 234. | Ms. Parichiti Saha | Yogic Art & Science / Vinaya Bhavana |
| 235. | Sri Darshan NP | Agril Extension/ Palli Siksha Bhavana |
| 236. | Dr. L. Hangshing | Agril. Engineering / Palli Siksha Bhavana |
| 237. | Sri Biplab Rajbanshi | Chemistry/ Siksha Bhavana |
| 238. | Dr. Sougata Biswas | Mathematics/ Siksha Bhavana |
| 239. | Sri Rupesh Kumar | Yogic Art & Science/ Vinaya Bhavana |
| 240. | Sri Sourav Banerjee | Chemistry/ Siksha Bhavana |
| 241. | Ms. Arti | Agril Economics/ PSB |
| 242. | Sri Bhagat Nikhil Vithoba | HCM / Sangit Bhavana |
| 243. | Dr. Bipul Pal | Mathematics/Siksha Bhavana |
| 244. | Dr. Sabarni Pramanik Nayak | AIHC & A / Vidya Bhavana |

| Sl. No. | Name of the Faculty | Department / Bhavana |
|---------|-----------------------|---------------------------|
| 245. | Dr. Vinod Kr. Chauhan | Zoology/ Siksha Bhavana |
| 246. | Sri Ashok Mandi | Chemistry/ Siksha Bhavana |
| 247. | Sri Vivek Kr. Khare | Plant Pathology/PSB |
| 248. | Dr. Rittik Deb | Zoology/Siksha Bhavana |

**ASSISTANT LECTURER
PATHA -BHAVANA**

| Sl. No. | Name of Assistant Lecturer |
|---------|-------------------------------|
| 1. | Sri Partha Chakraborty |
| 2. | Smt. Sujata Mitra (Roy) |
| 3. | Avik Ghosh |
| 4. | Sri Debabrata Mukherjee |
| 5. | Sri Abhijit Sengupta |
| 6. | Smt. Sarbari Dutta |
| 7. | Sri Nemai Sankar Chakraborty |
| 8. | Sri Surojit Sen |
| 9. | Smt. Srabani Bhattacharyya |
| 10. | Sri Shyama Pr. Chattopadhyay |
| 11. | Smt. Dipali Ghosh |
| 12. | Sri Anil Baran Mondal |
| 13. | Sri Kishore Bhattacharyya |
| 14. | Smt. Sonali Chakraborty |
| 15. | Smt. Chandrani Mukhopadhyay |
| 16. | Smt. Shilpi Mukherjee |
| 17. | Smt. Sonali Ganguli (Hazari) |
| 18. | Sri Subhrangsu Sen |
| 19. | Sri Amitabha Mukherjee |
| 20. | Smt. Chaitali Ghoshal |
| 21. | Sri Tarit Roy Choudhuri |
| 22. | Sri Suchit Kr. Chakraborty |
| 23. | Sri Nilay Roy |
| 24. | Smt. Sarada Basu Mukhopadhyay |
| 25. | Smt. Rakhee Sarkar |
| 26. | Sri Partha Pratim Roy |
| 27. | Smt. Anindita Agarwala |
| 28. | Sri Jayanta Mondal |
| 29. | Sri Chhatrapati Murmu (ST) |
| 30. | Smt. Priti C. Nartiang |
| 31. | Smt. Srimoyee Ghosh (SC) |

Appendix

| Sl. No. | Name of Assistant Lecturer |
|----------------|-----------------------------------|
| 32. | Sri Haradhan Soren (ST) |
| 33. | Smt. Mousumi Das (SC) |
| 34. | Smt. Sangita Hembrom (ST) |
| 35. | Sri Tarak Nath Saha (SC) |
| 36. | Smt. Alpana Dhibar (SC) |
| 37. | Smt. Suranjima Saha |
| 38. | Sri Biswajit Bir |
| 39. | Sri Karunamoy Majumder |
| 40. | Smt. Patralekha Sarkar (Dutta) |
| 41. | Smt. Priya Halder (SC) |
| 42. | Smt. Bulbul Konar |
| 43. | Sri Madhusudan Mondal |
| 44. | Smt. Sutapa Saha (SC) |
| 45. | Smt. Debalina Dalal |
| 46. | Smt. Anuradha Saha (SC) |
| 47. | Sri Nibir Kr. Ghosh (OBC) |
| 48. | Smt. Ruma Das (Hazra) (SC) |
| 49. | Ms. Namrata Bhattacharya |
| 50. | Ms. Sutapa Pramanik (Majumdar) |
| 51. | Sri Samir Debnath |
| 52. | Sri Jatindra Nath Raoul |
| 53. | Sri Animesh Ghosh |
| 54. | Sri Kumar Vikrant Basak |
| 55. | Smt. Lopamudra Sen |

**ASSISTANT LECTURER
SIKSHA-SATRA**

| Sl. No | Name of Assistant Lecturer |
|---------------|-----------------------------------|
| 1. | Sri Partha Sarathi Chatterjee |
| 2. | Sri Sandeep Kumar Bhakat |
| 3. | Smt. Siuli Sinha (Ghosh) |
| 4. | Smt. Tamali Majumdar |
| 5. | Sri Soumen Sengupta |
| 6. | Sri Subrata Sinha |
| 7. | Smt. Gargi Ghosh (Basu) |
| 8. | Smt. Mitali De Sarkar |
| 9. | Smt. Kanchan Dasgupta |
| 10. | Sri Debabrata Barat |
| 11. | Smt. Vandana Hazra |
| 12. | Sri Ganesh Mondal |

Appendix

| Sl. No | Name of Assistant Lecturer |
|---------------|-----------------------------------|
| 13. | Sri Mohammad M. Hamid |
| 14. | Sri Dibyendu Mondal |
| 15. | Smt. Tripti Ghosh |
| 16. | Smt. Jayasree Maity (Saha) |
| 17. | Sri Arup Bhattacharyya |
| 18. | Smt. Nibedita Saha |
| 19. | Smt. Shampa Bhutty |
| 20. | Smt. Sangeeta Sarkar |
| 21. | Sri Biswadip Das |
| 22. | Sri Prodip Soren |
| 23. | Sri Somnath Mehena |
| 24. | Sri Krishendu Dey |
| 25. | Sri Goutam Saha |
| 26. | Sri Rudra Prasad Sinha |
| 27. | Sri Girish Chandra Dehury |
| 28. | Sri Iqbal Zahangir |
| 29. | Smt. Priya Pathak |
| 30. | Shri Sumanta Das |
| 31. | Sri Subhrojyoti Dutta |
| 32. | Smt. Sudipta Sen |
| 33. | Sri Srinibash Ghosh |
| 34. | Smt. Anjali Das |
| 35. | Sri Gopi Nath Mondal |
| 36. | Sri Suman Chakraborty |
| 37. | Smt. Rituparna Char |

APPENDIX-E

Members of the Samsad (Court) as on 31-03-2021

| Sl. No. | Structure of the Court | Name |
|---------------------------------|--|--|
| (i) | The Acharya (Chancellor) | Shri Narendra Modi |
| (ii) | The Upacharya (Vice-Chancellor) | Prof. Bidyut Chakrabarty |
| (iii) | The Saha-Upacharya (Pro-Vice-Chancellor) | <i>Vacant</i> |
| (iv) | The Director of Studies, Educational Innovations and Rural Reconstruction | <i>Vacant</i> |
| (v) | The Director of Culture and Cultural Relations | <i>Vacant</i> |
| (vi) | The Director of Physical Education, Sports, National Service and Student Welfare | <i>Vacant</i> |
| (vii) | The Adhyakshas of Bhavanas | 1. Adhyaksha, Bhasha-Bhavana |
| | | 2. Adhyaksha, Vidya Bhavana |
| | | 3. Adhyaksha, Siksha-Bhavana |
| | | 4. Adhyaksha, Kala Bhavana |
| | | 5. Adhyaksha, Sangit Bhavana |
| | | 6. Adhyaksha, Patha Bhavana |
| | | 7. Adhyaksha, Palli Siksha Bhavana |
| | | 8. Adhyaksha, Palli Samgathana Vibhaga |
| | | 9. Adhyaksha, Vinaya Bhavana |
| | | 10. Adhyaksha, Siksha Satra |
| (viii) | The Granthagarika (Librarian) | Librarian, Central Library |
| (ix) | The Chhatra-Parichalaka (Proctor) | Proctor |
| (x) | The Head of the Palli-Samgathana Vibhaga; | |
| (xi) | The Head of the Granthana Vibhaga; | Adhyaksha Granthana Vibhaga, Visva-Bharati, 6, A.J. Bose Road, Kolkata – 700 017 |
| (xii) | The Heads of Departments | Bhasha Bhavana |
| | | 1. Head, Department of Bengali |
| | | 2. Head, Department of English |
| | | 3. Head, Department of Sanskrit |
| | | 4. Head, Department of Hindi |
| | | 5. Head, Department of Odia |
| | | 6. Head, Department of Arabic, Persian, Urdu & Islamic Studies |
| | | 7. Head, Department of Indo-Tibetan Studies |
| 8. Head, Department of Japanese | | |

| Sl. No. | Structure of the Court | Name |
|---------|------------------------|--|
| | | 9. Head, Department of Chinese |
| | | 10. Head, Department of Santali |
| | | Vidya-Bhavana |
| | | 1. Head, Department of Economics & Politics |
| | | 2. Head, Department of History |
| | | 3. Head, Department of A.I.H.C.&A |
| | | 4. Head, Department of Geography |
| | | 5. Head, Department of Philosophy & Religion |
| | | 6. In-Charge, Centre for Journalism and Mass Communication |
| | | 7. Head, Department of Anthropology |
| | | Siksha-Bhavana |
| | | 1. Head, Department of Physics |
| | | 2. Head, Department of Chemistry |
| | | 3. Head, Department of Mathematics |
| | | 4. Head, Department of Zoology |
| | | 5. Head, Department of Botany |
| | | 6. Head, Department of Statistics |
| | | 7. Head, Computer & System Sciences |
| | | 8. Head, Centre of Bio-technology |
| | | 9. Head, Centre for Environmental Studies |
| | | Kala-Bhavana |
| | | 1. Head, Department of Sculpture |
| | | 2. Head, Department of Painting |
| | | 3. Head, Department of Design |
| | | 4. Head, Department of Graphic Art. |
| | | 5. Head, Department of History of Art |
| | | Sangeet-Bhavana |
| | | 1. Head, Department of Rabindra Sangit, Dance & Drama |
| | | 2. Head, Department of Classical Music |
| | | Vinaya-Bhavana |
| | | 1. Head |

Appendix

| Sl. No. | Structure of the Court | Name |
|---------|--|---|
| | | 2. Department of Education |
| | | 3. Head |
| | | 4. Department Physical Education |
| | | Palli Siksha-Bhavana |
| | | 1. Head, Department of Agronomy |
| | | 2. Head, Department of Crop Improvement Horticulture & Agril. Botany |
| | | 3. Head, Department of Plant Protection |
| | | 4. Head, Department of Agril. Extension & Deptt. of Statistics, |
| | | Palli Samgathana Vibhaga |
| | | 1. Head, Department of Social Work |
| | | 2. Head, Palli Charcha Kendra |
| | | 3. Head, Silpa Sadana |
| | | 4. Head, Department of Lifelong Learning and Extension (REC) |
| (xiii) | One Adhyapaka from each of the Institutes, by rotation according to seniority; | Bhasha Bhavana |
| | | 1. Prof. Kailash Chandra Pattanaik |
| | | 2. Department of Odia, Bhasha-Bhavana |
| | | Vidya-Bhavana |
| | | 1. Prof. Asha Mukherjee, Department of Philosophy and Comparative Religion, Vidya Bhavana [Upto 31-08-2020] |
| | | 2. Prof. V.C. Jha, Department of Geography, Vidya Bhavana, Visva-Bharati [From 03-11-2020] |
| | | Siksha-Bhavana |
| | | i. Prof. Santabrata Chakraborty, Siksha Bhavana [Upto 30-04-2020] |
| | | ii. Prof. Tara Prasad Chattopadhyay, Department of Physics, Siksha Bhavana, Visva-Bharati [From 03-11-2020] |
| | | Kala-Bhavana |

| Sl. No. | Structure of the Court | Name |
|---------|---|--|
| | | Shri Debasish Mahalanobish Kala Bhavana |
| | | Sangit Bhavana |
| | | Prof. Buddhadeb Das, Sangit Bhavana, Visva-Bharati |
| | | Vinaya-Bhavana |
| | | Prof. Sumanta Kumar Mondal, Vinaya Bhavana |
| | | Palli-Siksha Bhavana |
| | | i. Prof. Ashis Kumar Chatterjee, Palli Siksha Bhavana [Upto 30-09-2020] |
| | | ii. Prof. Debasis Bhattacharya, Department of Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati [From 03-11-2020] |
| | | Palli Samgathana Vibhaga |
| | | Prof. Prasanta Ghosh Palli Samgathana Vibhaga |
| | | Patha Bhavana |
| | | Smt. Uma Chatterjee, Patha Bhavana [Upto 30-11-2020] |
| | | Siksha Satra |
| | | Shri Partha Sarathi Chatterjee, Siksha Satra [Upto 12-03-2021] |
| (xiv) | five representatives of non-teaching staff by rotation according to seniority; | 1. Shri Binoy Bhusan De, Laboratory Attendant, Palli Siksha Bhavana, Visva-Bharati |
| | | 2. Shri Sukumar Hazra (1) MTS, Vidya-Bhavana, Visva-Bharati [Upto 28-02-2021] |
| | | 3. Shri Tapas Kumar Chandra, Office Assistant, Internal Audit Office, Visva-Bharati [Upto 31- 03-2021] |
| | | 4. Shri Mashiur Rahaman, Office Assistant, Granthana Vibhaga, Visva-Bharati [Upto 30-09-2020] |
| | | 5. Smt. Saraswati Hazra, Proctor's Office, Visva-Bharati [From 03- 11-2020 to 31-01-2021] |

Appendix

| Sl. No. | Structure of the Court | Name |
|---------|---|--|
| | | 6. Shri Renupada Das, Laboratory Attendant, Palli Siksha Bhavana, Visva-Bharati |
| (xv) | two students to be nominated by the <i>Siksha-Samiti</i> (Academic Council) from amongst students who have distinguished themselves in studies, sports, extra-curricular activities and all-round development of personality or from amongst students who have won prizes during the preceeding year in the fields of studies, fine arts, sports, extension work or any other prizes at the level of Class X & above; | 1. Shabnam Parveen, Patha Bhavana, Visva-Bharati [Upto 26-05-2020] 2. Priyanka Kumari, Palli Siksha Bhavana, Visva-Bharati [Upto 26-05-2020] |
| (xvi) | three students to be nominated by the <i>Upacharya</i> (Vice-Chancellor) on the basis of merit so as to provide representation to any section of students which in his opinion is unrepresented : Provided that in nominating students under items (xiv) and (xv), women students shall be adequately represented; | 1. Ms. Sohini Dey, Patha-Bhavana, Visva-Bharati [Upto 19-05-2020] 2. Shri Sayan Bhowmick, Siksha Satra, Visva-Bharati [Upto 19-05-2020] 3. Smt. Arunima Dutta, Department of Physics, Siksha Bhavana, Visva-Bharati [Upto 19-05-2020] |
| (xvii) | five representative of Parliament, three to be nominated by the Speaker of the Lok Sabha from among its members and two to be nominated by the Chairman of the Rajya Sabha from among its members; | Lok Sabha 1. Shri Sudip Bandyopadhyay, 72/4, S.N. Banerjee Road, Kolkata – 700 014 2. Smt. Locket Chatterjee, Hon'ble Member of Lok Sabha, Sherwood Estate, 'E' Block, 'R' I Narendrapur, Kolkata-700103, West Bengal 3. Shri Adhir Ranjan Chowdhury, Hon'ble Member of Lok Sabha, 9, Haribu R., Paschim, P.O.- Cossimbazar, Berhampore, Murshidabad-742102, West Bengal Rajya Sabha Shri Swapan Dasgupta, 14, Teen Murti |

| Sl. No. | Structure of the Court | Name |
|---------|---|--|
| | | Lane, New Delhi [Upto 16-03-2021] |
| | | i) Shri Harivansh, 501, Brahmputra Apartments, Dr. B.D. Marg, New Delhi – 110001 [Upto 09-04-2020] |
| | | ii) Dr. Amar Patnaik, Plot No. 8/A, Kharvela Nagar, Station Square, Unit – III, Bhubaneswar, Odisha – 751001 |
| (xviii) | three representatives of the Alumni Association to be elected by that Association from among its members; | 1. <i>Vacant</i> |
| | | 2. <i>Vacant</i> |
| | | 3. <i>Vacant</i> |
| (xix) | seven persons representing learned professions and special interests including representatives of industry, labour, commerce, banking and agriculture, to be nominated by the <i>Paridarsaka</i> (Visitor); | 1. Sh. Kailash Satyarthi, Nobel Laureate, Child Right Activist & Founder, Bachpan Bachao Andolan, L- 6, Kalkaji, New Delhi- 110019 [Upto 13-06-2020] |
| | | 2. Mr. Shaurya Doval, Director, India Foundation, C-228, Sector-44, Noida, Uttar Pradesh, 201301. [Upto 13-06-2020] |
| | | 3. Dr. Anirban Ganguly, Director, Dr Syama Prasad Mookerjee Research, Foundation, 9- Ashok Road, New Delhi-110001. [Upto 13-06-2020] |
| | | 4. Sh. Amit Malviya, Banking Expert, Bengaluru 6, Meena Bagh, Maulana Azad Road, New Delhi – 110011. [Upto 13-06-2020] |
| | | 5. Prof. Indranil Manna, Professor, Metallurgical & Materials Engineering, Indian Institute of Technology Kharagpur, Kharagpur – 721302 [Upto 13-06-2020] |
| | | 6. Prof. Janat Shah, Director, IIM, Udaipur, District, Balicha, Rajasthan 313002. [Upto 13-06-2020] |
| | | 7. Dr. Vijay Bhatkar, Chancellor, Nalanda University and former |

Appendix

| Sl. No. | Structure of the Court | Name |
|---------|---|---|
| | | Chairman, Board of Governors, IIT, Delhi [Upto 13-06-2020] |
| (xx) | one person to be nominated by the <i>Pradhana</i> (Rector); | Shri Sanjay Budhia Managing Director, Patton Group, 3C Camac Street, 8th floor, Kolkata – 700 016 |
| (xxi) | one person to be nominated by the <i>Acharya</i> (Chancellor); | Prof. Achintya Biswas 'SHUKTI', N-9, Sreenagar Garia, Kolkata – 700 094 |
| (xxii) | other members of the <i>Karma-Samiti</i> (Executive Council) not specified above. | <ol style="list-style-type: none"> 1. Dr. Sushovan Banerjee, General Practitioner (Medicine), Haragouritala, Bolpur, Birbhum[Upto 19-07-2020] 2. Prof. Dr. Sujit K. Ghosh, Swagat Chinar, Block – 'C' , Flat - 3^a, Chinar Park, New Town, Kolkata – 700 157 [Upto 19-07-2020] 3. Mr. Justice (Retd.) 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 4. Prof. (Retd) Dulal Chandra Ghosh, Paschimpalli, Santiniketan, Near Naba Nalanda School 5. Sri Tanmoy Roy Chowdhury, SRB 103B , Shipra Riviera, Indrapuram, Gyankhand 3, Ghaziabad, Uttar Pradesh 201014 6. Prof. Manju Mohan Mukherjee, Former Adhyapaka, Department of Social Work, PSV, Visva-Bharati <ol style="list-style-type: none"> i) Prof. Asha Mukherjee, Vidya Bhavana, Visva-Bharati [Upto 31-08-2020] ii) Prof. Sagarika Bandyopadhyay, Department of Physical Education, Vinaya-Bhavana, Visva-Bharati [From 03-10-2020 to 31-01-2021] ii) Dr. Rafiqul Islam, Department of |

Appendix

| Sl. No. | Structure of the Court | Name |
|----------------|-------------------------------|---|
| | | Life Long Learning & Extension Palli Samgathana Vibhaga, Visva- Bharati [From 01-02-2021] |
| | | Prof. Kailash Ch. Pattanaik, Department of Odia,Bhasha Bhavana, Visva-Bharati |

APPENDIX-F

Members of the Karma-Samiti (Executive Council) as on 31-03-2021

| <i>Sl. No.</i> | <i>Members</i> | <i>Name</i> |
|----------------|--|---|
| (i) | The Upacharya (Vice-Chancellor) | Prof. Bidyut Chakrabarty |
| (ii) | The Saha-Upacharya (Pro-Vice-Chancellor) | Vacant |
| (iii) | The Director of Studies, Educational Innovations and Rural Reconstruction | Vacant |
| (iv) | The Director of Culture and Cultural Relations | Vacant |
| (v) | The Director of Physical Education, Sports, National Service and Student Welfare | Vacant |
| (vi) | The Adhyaksha of the Patha-Bhavana | Smt. Bodhirupa Sinha |
| (vii) | Three Adhyaksha from amongst the Adhyakshas of Palli-Samgathana Vibhaga, Palli-Siksha Bhavana, Kala Bhavana, Sangeet Bhavana, Vidya Bhavana, Siksha Bhavana and Bhasha Bhavana by rotation, according to seniority, to be nominated by the Upacharya | 1. Adhyaksha, Palli Samgathana Vibhaga, Visva-Bharati |
| | | 2. Adhyaksha, Bhasha Bhavana, Visva-Bharati |
| | | 3. Adhyaksha, Siksha-Bhavana, Visva-Bharati |
| (viii) | Two Adhyapakas of the University, by rotation according to seniority | (i) Prof. Asha Mukherjee, Vidya Bhavana, Visva-Bharati [Upto 31-08-2020] (ii) Prof. Sagarika Bandyopadhyay, Department of Physical Education, Vinaya-Bhavana, Visva-Bharati [From 03-10-2020 to 31-01-2021] (iii) Dr. Rafiqul Islam, Department of Life Long Learning & Extension, Palli Samgathana Vibhaga, Visva-Bharati [From 01-02-2021] (iv) Prof. Kailash Ch. Pattanaik, Department of Odia, Bhasha Bhavana, Visva-Bharati |
| (ix) | Two persons to be elected by the Samsad (Court) from amongst its members, none of whom shall be an employee or a student of the University | Vacant |
| (x) | Two persons to be nominated by the Paridarsaka (Visitor) | 1. Prof. Dr. Sujit K. Ghosh, Swagat Chinar, Block –‘C’ , Flat - 3A, Chinar Park, New |

Appendix

| <i>Sl. No.</i> | <i>Members</i> | <i>Name</i> |
|----------------|---|---|
| | | Town, Kolkata – 700 157 [Upto 19-07-2020] |
| | | 2. Dr. Sushovan Banerjee, General Practitioner (Medicine), Haragouritala, Bolpur, Birbhum [Upto 19-07-2020] |
| (xi) | One person to be nominated by the Pradhana (Rector) | Mr. Justice (Retd.) Sakha Ram Singh Former Justice, High Court of Allahabad |
| (xii) | One person to be nominated by the Acharya (Chancellor) | Prof. (Retd) Dulal Chandra Ghosh Paschimpalli, Santiniketan Near Naba Nalanda School |
| (xiii) | One alumnus to be nominated by the Upacharya (Vice-Chancellor) | Sri Tanmoy Roy Chowdhury SRB 103B , Shipra Riviera, Indirapuram, Gyankhand 3, Ghaziabad Uttar Pradesh 201014 |
| (xiv) | One <i>ex-Adhyapaka</i> (with at least five years service as Professor) of Visva-Bharati to be nominated by the <i>Upacharya</i> (Vice- Chancellor) | Prof. Manju Mohan Mukherjee Former Adhyapaka Department of Social Work, PSV Visva-Bharati |

APPENDIX-G

New appointments from 01.04.2020 to 31.03.2021

PROFESSOR

| Sl. No. | Name of the post | Name of the person appointed | Department / Bhavana | Date of Joining |
|---------|------------------|------------------------------|--|-----------------|
| 1. | Professor | Prof. Gopal Ch. Saha | Physical Education / Vinaya Bhavana | 19.08.2020 |

ASSISTANT PROFESSOR

| Sl. No. | Name of the post | Name of the person appointed | Department / Bhavana | Date of Joining |
|---------|---------------------|------------------------------|--|-----------------|
| 1. | Assistant Professor | Ms. Arpita Paul | Japanese/Bhasha Bhavana | 16.07.2020 |
| 2. | Assistant Professor | Dr. Ruben Philip Mathew | CMELL& CS (German)/ Bhasha Bhavana | 24.07.2020 |
| 3. | Assistant Professor | Dr. Lipsy Jhon L | Physical Education / Vinaya Bhavana | 27.07.2020 |
| 4. | Assistant Professor | Ms. Sunita Acharya | CMELL& CS (Russian)/ Bhasha Bhavana | 03.08.2020 |
| 5. | Assistant Professor | Dr. Awashes Subba | Physical Education / Vinaya Bhavana | 18.08.2020 |
| 6. | Assistant Professor | Sri Shuvankar Mondal | Sangit Bhavana/RSDD | 11.12.2020 |
| 7. | Assistant Professor | Sri Kaustav Karmakar | Sangit Bhavana/ RSDD | 11.12.2020 |
| 8. | Assistant Professor | Sri Suman Bhattacharya | Sangit Bhavana/ RSDD | 11.12.2020 |
| 9. | Assistant Professor | Sri L. Lamminthang Simte | AIHC&A/ Vidya Bhavana | 14.12.2020 |
| 10. | Assistant Professor | Ms. Sujata Rakshit | AIHC&A/ Vidya Bhavana | 14.12.2020 |
| 11. | Assistant Professor | Ms. Parichiti Saha | Yogic Art & Science/ Vinaya Bhavana | 17.12.2020 |
| 12. | Assistant Professor | Sri Darshan NP | Agril Extension /PSB | 18.12.2020 |
| 13. | Assistant Professor | Dr. L. Hangshing | Agril Engineering / PSB | 19.12.2020 |
| 14. | Assistant Professor | Sri Biplab Rajbanshi | Chemistry/ Siksha Bhavana | 21.12.2020 |
| 15. | Assistant Professor | Dr. Sougata Biswas | Mathematics/ Siksha Bhavana | 22.12.2020 |
| 16. | Assistant Professor | Sri Rupesh Kumar | Yogic Art & Science | 28.12.2020 |
| 17. | Assistant Professor | Sri Sourav Banerjee | Chemistry/ Siksha Bhavana | 29.12.2020 |
| 18. | Assistant Professor | Ms. Arti | Agril Economics/ PSB | 30.12.2020 |

Appendix

| Sl. No. | Name of the post | Name of the person appointed | Department / Bhavana | Date of Joining |
|----------------|-------------------------|-------------------------------------|-----------------------------|------------------------|
| 19. | Assistant Professor | Sri Bhagat Nikhil Vithoba | HCM / Sangit Bhavana | 01.01.2021 |
| 20. | Assistant Professor | Dr. Bipul Pal | Mathematics/ Siksha Bhavana | 01.01.2021 |
| 21. | Assistant Professor | Dr. Sabarni Pramanik Nayak | AIHC&A/ Vidya Bhavana | 01.01.2021 |
| 22. | Assistant Professor | Dr. Vinod Kr. Chauhan | Zoology/ Siksha Bhavana | 04.01.2021 |
| 23. | Assistant Professor | Sri Ashok Mandi | Chemistry/ Siksha Bhavana | 04.01.2021 |
| 24. | Assistant Professor | Dr. Rittik Deb | Zoology/ Siksha Bhavana | 27.01.2021 |
| 25. | Assistant Professor | Sri Vivek Kr. Khare | Plant Pathology/PSB | 22.01.2021 |

**Annual Report 2020-2021
Visva-Bharati**

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