



BURDWAN UNIVERSITY MOUTHPIECE

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FROM THE VC'S DESK

Prof. Sankar Kumar Nath
Hon'ble Vice Chancellor
University of Burdwan

A university newsletter serves as a vital communication tool, keeping students, faculty, staff, and alumni informed about campus news, events, policies, and research, fostering a sense of community and strengthening ties by connecting with current and future students as well as their staff members.

As Vice-Chancellor of the University, it is my privilege to extend a heartfelt welcome to all the students, faculty, staff and visitors to the University of Burdwan, a vibrant Institution committed to promote academic excellence, innovation and holistic development. At the University of Burdwan, we aim to provide more than just an academic experience. We are committed to creating a vibrant and inclusive community of learners, educators, and innovators. Together, we work towards developing knowledge that will shape a brighter, more sustainable future for society and the world.



Prof. Sankar Kumar Nath, a distinguished Geophysicist and Seismologist, has been appointed as the **19th Vice Chancellor** of the University of Burdwan on December 27, 2024. As a student, scholar,



and academician, Prof. Nath carries a legacy as an IIT alumnus and was honored with the prestigious Shanti Swarup Bhatnagar Prize in 2002 for his groundbreaking contributions to Earth, Atmosphere, Ocean, and Planetary Sciences.

In sharing his vision for the University, Prof. Nath expressed his wish to transform the institution into a biodiversity-rich heritage site, enriched by a comprehensive academic approach that combines teaching, research, innovation, social responsibility, and stakeholder engagement. He also emphasized the University's commitment to becoming a hub for research, innovation, and intellectual property rights (IPR) awareness, fostering a culture of impactful, interdisciplinary research that addresses regional, local, and global challenges and opportunities.



Our Mission is to empower the weaker social clusters in its hinterland with emphasis on the rural region. It aims to promote unity, inclusivity, and equity. It also seeks to reinvigorate India's rich heritage in alignment with the global higher educational milieu while addressing local and regional issues and challenges. -Prof. Sankar Kumar Nath

HON'BLE VICE
CHANCELLOR



DEPARTMENT OF ARABIC

Department of Arabic, B.U Hosts a National Workshop on Modern

Approaches to Teaching Arabic

The Department of Arabic at the University of Burdwan successfully hosted a one-day national workshop titled "Teaching of Arabic to Non-Native Speakers: New Approaches and Methods" at the Kadambini Ganguly Hall of the University. The event, held on September 10, 2024, brought together approximately 80 participants, including Academicians and Teachers from Schools, Colleges, Research Scholars, and MA students of the department. The workshop aimed to discuss innovative strategies and techniques for teaching Arabic to non-native speakers in this modern era.



The program commenced with a recitation of Arabic poems by students. In his welcome address, Dr. Md. Shamim Nizami, Asst. Professor and Teacher-in-Charge of the Dept. of Arabic at the University of Burdwan, emphasized the growing need for dynamic teaching methods and innovative teaching techniques for teaching Arabic language in this globalized world.

The inaugural address was delivered by Prof. Pradip Chattopadhyay, Dean of Arts, University of Burdwan, who stressed the importance of Arabic as a global language and its role in cultural and economic exchanges. The keynote address, presented by Dr. Sabir Navas CM, Director of the Academy of Excellence, & Asst. Professor in MUA College, Calicut University, Kerala, focused on leveraging modern pedagogical tools and career opportunities associated with Arabic in today's world.



Other notable speaker included Prof. Sunil Karforma, Dean of Science, who emphasized the university's dedication to fostering academic excellence. Dr. Mohd. Alamgir, Assistant Professor of Arabic, delivered the vote of thanks.

The post-inaugural sessions featured a series of interactive discussions and training modules. The very first session began with an insightful presentation by Dr. Sabir Navas CM on "Arabic Language and Career Opportunities in a Globalized World." This session delved into the growing demand for Arabic proficiency in professional domains and explored avenues for linguistic and cultural exchange.

In the subsequent session, Dr. Saidur Rahaman, Asst. Professor at Aliah University, Kolkata, conducted an informative presentation on "New Strategies to Teach the Arabic Language to Non-Native Speakers."

The concluding session was led by Dr. Md. Shamim Nizami, who delivered a lecture on "Essentials of Writing and Speaking Skills in Arabic." Dr. Nizami delved into the intricacies of mastering linguistic precision, emphasizing the importance of achieving excellence in both written and oral Arabic communication.

The workshop concluded with a valedictory session and certificate distribution. It provided a platform to explore innovative teaching methods marking a significant milestone in Arabic language teaching in India. The program proved highly beneficial to the teachers and attendees, providing valuable insights into modern pedagogical methods. The participants expressed their keen interest in adopting the newly learned approaches and strategies to enhance their teaching practices.



DEPARTMENT OF BENGALI

The Department of Bengali has been infused with the spirit of openness and the Dept. strongly believe in the mission of higher education – to create and share knowledge, to prepare the students of the department to be curious, to think critically and to contribute for betterment of the Society. In the period mentioned above the students took part in different events along with a diverse group of faculty members and Ph.D. scholars. Speakers from various Educational Institutions delivered talks on different titles as mentioned below.

	Level / Publisher	Nos.
Seminar	National	03
Article Presentation in Seminars	National & State	03
Publication of Books	National	01
Paper in Journal/Chapter in books	National	12



SPOTLIGHT ON EXCELLENCE & BRINGING OUR CAMPUS COMMUNITY TOGETHER

Inspired a lot together, let's continue shaping the future with dedication. Our primary goal to strengthen our commitment for all-round progress of our campus community!

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology, The University of Burdwan in collaboration with Centre for Innovation Entrepreneurship and Skill Development (CIESD), BU successfully organized A Short Term Course on Plant Tissue Culture: A Practical Training Programme with Hands on Experience during 7th -13th January, 2025 for the second consecutive year. Prof. Sunil Kumar Karforma, Dean, Faculty of Science inaugurated the course and explained the multidisciplinary approach of the University regarding such skill based Short Term Courses in view of the New Education Policy and the vision of our Honourable Vice Chancellor Prof. Sankar Kumar Nath. Programme Coordinator Dr. Indrani Chandra bid welcome to all the participants from pan India. A number of Resource Persons including Dr. Madhab Kumar Sen from Czech University of Life Sciences, Prague, Czech Republic described different aspects and science including molecular basis behind the subject matter. The course curriculum covered basic Hands on Training on techniques of bulk production of important medicinal and horticultural plants having tremendous economic importance along with a scope of building own start up with a possibility of high income. The participants also learned the techniques of isolation, identification and characterization of pharmacologically important plant secondary metabolites with the help of High Performance Liquid Chromatography (HPLC). HPLC demonstration was done by Mr. Koushik Sarkar (Technical Assistant, Dept. of Biotech, BU). Mr. Sushobhan Sen and Ms. Shrabani Mondal conducted the entire practical and hands on sessions. In the valedictory session all the participants expressed their satisfaction and praised a lot about the entire course. Prof. Suvro Chatterjee delivered the valedictory lecture and Dr. Santanu Pailan, Teacher-in-Charge gave thanks to all the participants and others associated with the course.



Dr. Indu Shivankutty, Boston Children Hospital, Harvard University, Boston, USA, Dr. Madhav Kumar Sen, Czech University of Life Sciences, Prague, Czech Republic and Mr. Parikshit Roy Chowdhury, JSS College of Pharmacy, Ooty, India were present in the Colloquium as distinguished speakers. The speakers covered in their lecture a broad and dynamic area of the modern Biotechnology, from agricultural field to space medicine via cardiovascular diseases. The young researchers and students of different Departments of Biological Sciences of this University and nearby Colleges enjoyed the entire programme. Dr. Indrani Chandra gave vote of thanks to all associated with this programme.

The Department of Biotechnology, The University of Burdwan in collaboration with Centre for Innovation Entrepreneurship and Skill Development (CIESD), BU successfully organized A One Day International Colloquium on Emerging Aspect of Biotechnology on 17.1.2025 at Kadambini Hall with the kind approval of our Hon'ble Vice Chancellor Professor Sankar Kumar Nath. Though he could not be able to present in the Colloquium due to his busy schedule, he always encouraged us to organize this Colloquium successfully. Prof. Soumen Bhattacharjee, Director, IQAC inaugurated this Colloquium and nicely discussed the overall approach of the programme. Prof. Suvro Chatterjee bid welcome address to all the dignitaries and respected speakers as well as the participants. More than eighty participants were present in the Colloquium and experienced the diversification and fast changing concept of the world of Biotechnology.



DEPARTMENT OF BOTANY

Departmental Achievements for University Newsletter

Extramural research grants

1. Prof. Soumen Bhattacharjee received research grant of Rs.26.28 Lakhs from DST-BT Govt. of West Bengal.
2. Dr. Saikat Naskar received research grant of Rs.19.9 Lakhs from DST-BT Govt. of West Bengal.

Awards and Honours

1. Prof. Soumen Bhattacharjee enlisted as top 2% scientist in Stanford University Survey for the year 2024.
2. Prof. Soumen Bhattacharjee recognized as Highly ranked scholar (11th slot) in Reactive Oxygen Species Research – ScholarGPS, California USA
3. Prof. Sikha Dutta received Best Researcher Award by Young Scientist Award..
4. Dr. Sujit Roy enlisted as the top 2% scientist in Stanford University Survey for the year 2024

Publications

Faculty members published 15 research articles in international peer review journals and 4 book chapters (Springer Nature, CRS Press etc. publishers)

Recent PhDs

1. Sri Subrata Mondal – (Taxonomy of Angiosperms and Biosystematics Section) – Supervisor: Dr. Saikat Naskar
2. Smt. Moitri Bhadra – (Plant Genetics and Biotechnology Section) – Supervisor: Prof. Abhijit Bandyopadhyay
3. Sri Adwita Das – (Plant Genetics and Biotechnology Section) – Supervisor: Prof. Abhijit Bandyopadhyay
4. Sri Tuhin Pal – (Phycology Section) – Supervisor: Prof. J.P. Keshri
5. Smt. Moitri Let – (Microbiology Section) – Supervisor: Prof. Rajib Bandopadhyay
6. Smt. Babita Pal – (Plant Physiology and Biochemistry Section) – Supervisor: Prof. Soumen Battacharjee

Research scholars' awards

1. Nasrin Parvin – Best oral presentation award in International Conference at BHU, Varanasi, India
2. Pinaki Roy – Best poster award at the National Symposium, Calcutta University
3. Samrat Banerjee – Best Oral presentation award in the One Day National Seminar, Department of Botany, B.U.
4. Karuna Soren – Best Oral presentation award in International Conference at University of Calcutta in the
5. Ayan Saha – Best poster award at the 10th International Conference, Uttaranchal University, Dehradun.
6. Ashutosh Kabiraj received Dr. Basiswar Sen Smriti Puraskar from Sri Sri Maa Sarada Devi Smriti Raksha Committee, Bishnupur, W.B
7. Rajendra Kr Roy received Sir Ashutosh Memorial Award on the occasion of 100th year celebration of Ketugram Sir Ashutosh Memorial Institution.



Karuna Soren
received Best Oral presentation award



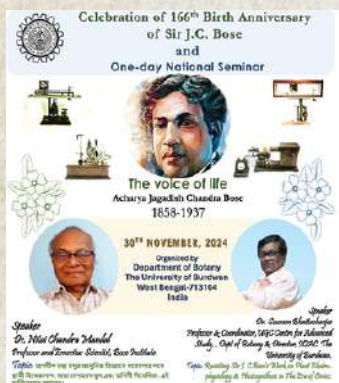
Rajendra Kr Roy
received
Sir Ashutosh
Memorial Award

Research scholars' awards

1. **Thought of the day** – on regular basis
2. **Scholars' Science Club** presentation on every Friday

Academic Achievements and Student Excellence

1. M. Sc. students: Niladri Das, Joy Ghosh, Mayna Kundu, Jinat Tuhina Parvin, Ankita Mukherjee, Priya Aditya, Anisha Koley showed excellent performance in Swayam courses.
2. M. Sc. student Moutushi Mondal selected in State Championship for **Viksit Bharat Young Leaders Dialogue** at Visva-Bharati on December 22, 2024.



Current Event

Department celebrated 166th Birth Anniversary of Acharya J.C. Bose

Prof. Nitai Chandra Mondal, Former Professor, Bose Institute, Kolkata and Prof. Soumen Bhattacharjee, Professor, Department of Botany, The University of Burdwan delivered lectures on this occasion.

DEPARTMENT OF CHEMISTRY

Department of Chemistry had shown its excellence at the end-phase of the year 2024. Two present students of the department Swapna Jana (Semester III, 2023-25) and Tuhin Ghosh (Semester III, 2023-25) scored among top 1% and 2% of the students in the recent online NPTEL courses. Prof. Bidyut Saha, a senior faculty member of the department, has been recognized by Stanford University and Elsevier as one of the top 2% scientists in chemical physics for the year 2024. Moreover, Prof. Saha has been elected as the fellow of the Royal Society of Chemistry for his outstanding contribution in the field of chemical science. Other faculty members including Prof. Bidyut Saha of the department had published several important investigations of theirs in important journals of international repute in this time frame. To mention a few, S. Bhattacharya et al, Chem. Phys. 2024, 582, 112280 ([10.1016/j.chemphys.-2024.112280](https://doi.org/10.1016/j.chemphys.-2024.112280)), Chem. Phys. Lett. 2024, 843, 141166 ([10.1016/j.cplett.2024.141166](https://doi.org/10.1016/j.cplett.2024.141166)); B. Saha et al, Sci. Rep., 2024, 14, 13109 ([10.1038/s41598-024-61870-1](https://doi.org/10.1038/s41598-024-61870-1)), New J. Chem., 2024, 48, 10112 (doi.org/10.1039/D4NJ01403K); D. Das et al, Inorg. Chim. Acta 2024, 577, 122491 ([10.1016/j.ica.2024.122491](https://doi.org/10.1016/j.ica.2024.122491)), ChemistrySelect, 2024, 9(40) ([10.1002/slct.202403363](https://doi.org/10.1002/slct.202403363)); S. Ray et al, Carb. Res., 2024, 545, 109286 ([10.1016/j.carres.2024.109286](https://doi.org/10.1016/j.carres.2024.109286)); U. Mandal et al, J. Phys. Chem. B, in press; I. Ansary et al, SynOpen, 2024, 8, 1-38, A. K. Ghosh, J. Ind. Eng. Chem. 2024, 137, 29-60, (doi.org/10.1016/j.jiec.2024.03.025); RSC Adv., 2024, 14, 28693-28702 ([10.1039/D4RA03356F](https://doi.org/10.1039/D4RA03356F))

As part of academic curriculum, department had organized a national-level seminar on 20-November-2024. About 200 participants from several institutes joined the programme. Invited speakers from several national institutions of the country, like Prof. Rahul Banerjee (IISER Kolkata), Prof. Dulal Senapati (SINP Kolkata), Prof. Anjan Chakraborty (IIT Indore), Prof. Sabuj Kumar Kundu (IIT Kanpur) came, delivered talk and interacted with the participants. On the same day an Archive & Photo Gallery with various important documents and photographs was opened in the department. It was inaugurated by the veteran former Professor of the department Prof. Sisir Chandra Rakshit who is very elderly with 98 years of age.

Prof. S. Bhattacharya, Prof. P. Chattopadhyay (presently Hon'ble Vice Chancellor, University of Gour Banga), Prof. D. Das, Dr. S. Ray are working on several research projects which are funded by Government funding agencies.

DEPARTMENT OF COMMERCE

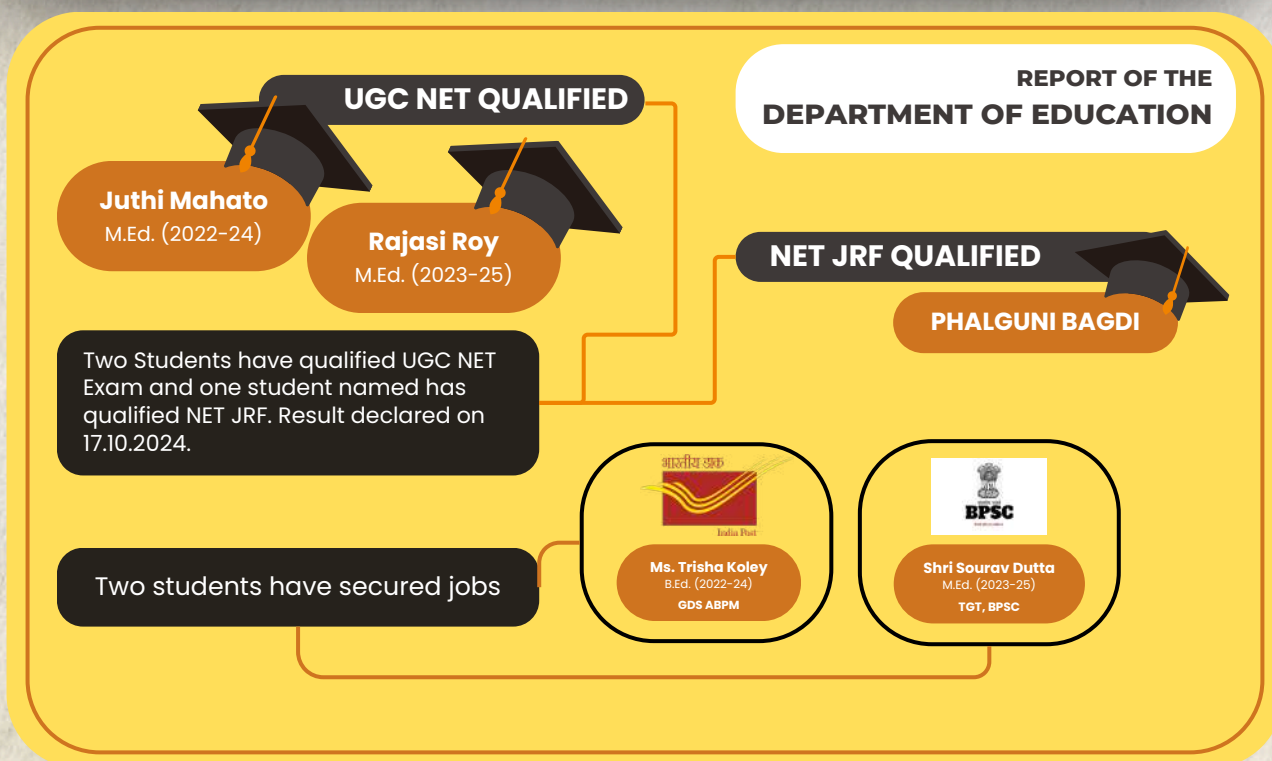
In recent academic events, faculty members and research scholars have made notable contributions, showcasing their expertise and collaboration across various fields. Professor Som Sankar Sen authored two papers in collaboration with co-authors at the IAA International Seminar, November 2024 further strengthening the research community. Similarly, Professor Arindam Das and Professor Debdas Rakshit also contributed two and three papers respectively to the same seminar. Professor Rakshit, along with co-authors Dr. Ananya Paul and Dr. Chanchal Chatterjee, was honoured with the Best Paper Award for their work on Impact of Ind AS adoption on annual reports' readability: The moderating role of audit

"quality." Dr. Sumit Maji submitted three co-authored papers for the IAA Conference, reflecting his active participation in academic discussions. Dr. Manidipa Dasgupta made significant strides in her field, with two publications in the edited volumes. She also presented a co-authored paper at the FIIB Research Conference in October 2024, where it received the Best Paper Award, and presented another paper at the IAA International Seminar in November 2024. Professor Arindam Laha's research has been recognized internationally, with his work documented as a working paper by UNRISD. nce at IIM-Kozhikode. His studies were presented at several prestigious conferences, including the International Conference on Applied Economics (PSU, USA), the International Conference on Sustainable Development (New

York), and the 18th ICA Asia-Pacific Research Confere Furthermore, Dr. Kanchan Koner received the Mauritz Bonow Award for Young Scholars at the 18th ICA Asia-Pacific Research Conference, highlighting the high caliber of research emerging from this academic community. Professor Debasish Sur also played a key role in academia as the Chief Speaker at the National Seminar on "Navigating the Future of Business: Emerging Trends in Commerce and Management," held at Ravenshaw University, Odisha, in December 2024. These contributions underscore the ongoing commitment to advancing knowledge across various fields.



DEPARTMENT OF EDUCATION



LIST OF PUBLICATIONS

Prof. Khagendra Nath Chattopadhyay							
Sl.no.	Date of Publication	Title of the Paper	Name of the Co-authors	Name of the Journal	Volume and Pages	ISSN	DOI / Link
1	October 2024	Revolutionizing Education through Social Justice Pedagogy: A Path to Progress	Tapas Jana	The Social Science Review: A Multidisciplinary Journal	Vol 2, no.5 pp 1-7	2584-0789	https://doi.org/10.70096/tssr.240205001
2	December 2024	Women Empowerment through Vocational and Technical Education (VTE): Opportunities, Challenges and Societal Impact	Antara Bag	Vidya – A Journal of Gujarat University	Vol 3, issue 2Pp 145-151	2321-1520	10.47413/4tj2fw39
Dr. Chitralekha Mehera							
3	November, 2024	Altruistic Behaviour in Islamic and Hindu Philosophy	Sibnath Manna	International Education and Research Journal	Vol 10, Issue 11, pp.06-09	2454-9916	https://ierj.in/journal/index.php/ierj/article/view/3746
Dr. Chandan Adhikary (Journal Publication)							
4.	October, 2024	Reflection of Components of Karma Yoga in Pedagogical Practices as Expounded in the Bhagavad Gita	Milan Jana	The Social Science Review: A Multi-disciplinary Journal	Vol 2, Issue 5, pp. 196-206	2584-0789	https://tssreview.in/

Dr. Chandan Adhikary (Journal Publication)							
Sl.no.	Date of Publication	Title of the Paper	Name of the Co-authors	Name of the Journal	Volume and Pages	ISSN	DOI / Link
5.	December, 2024	Revisiting the Pedagogy of Shrimad Bhagavad Gita for Developing 21st Century Skills Among the Learners	Pritam Das and Milan Jana	Journal of the Oriental Institute, M.S. University Baroda	Vol 73, Issue 4, pp. 1153-1180	0030-5324	https://journaloi.com/index.php/JOI/aboutUGC-CARE-Gr-1-Journal
Dr. Chandan Adhikary (Book Chapter/ Book)							
Sl.no.	Date of Publication	Title of the Book Chapter/ Book	Name of the Co-authors	Name of the Edited Book	Name of the Publisher	ISBN	DOI / Link
6.	October, 2024	Education is a Panacea for Poverty as a Social Ill: A Cinematic Expedition for Visual Thinker	M.H. Mondal	Social Problems in India: Issues and Challenges' (Edited Volume)	Red Unicorn Publishing LLC, Sweden	978-91-41-00110-7	https://redshine.co.in/product/9789141001107/?srsltid=AfmBOoofN6X2yOAWld2k54-znLZqmZ60MyOrToSlryJZk7hCk6-aNS6
7.	November, 2024		----	(As Editor) Value-Embedded Pedagogical Reflections of Indian Freedom Fighters (Edited Volume)	Amitrakshar Publishers, Kolkata	ISBN No. 978-93-6008-961-0	

DEPARTMENT OF ENGLISH & CULTURE STUDIES

Academic and Co-Curricular/Extra-Curricular Activities of the Students, Scholars, Faculty Members of the Department of English & Culture Studies, The University of Burdwan, in the September-December Quarter 2024.

The last quarter of the year 2024 has witnessed a robust participation of PG students, Research Scholars and Faculty alike of the Department of English and Culture Studies on both academic and co-curricular/extra-curricular fronts. A PG student from 3rd Semester named Dipta Jha has presented his paper in a national conference which has also been selected for publication in a forthcoming edited volume. Another PG 3rd Semester student named Soumyadeep Mondal has qualified the National Eligibility Test in September of 2024.

Two of the Department's Ph.D. Research Scholars namely Subham Patar and Saptaparni Chowdhury have published their research article in a Scopus-indexed journal of international standing. Four Ph.D. research scholars namely Haradhan Malik, Adrija Santra, Saptaparni Chowdhury and Subham Patar have presented papers in an ICSSR sponsored national conference held in NIT Meghalaya.

Among the faculty members of the Department, Prof. Arpita Chattaraj (Mukhopadhyay) has contributed a book chapter in an edited volume published by Bloomsbury, New York. Prof. Angshuman Kar has published a novel and an anthology of Indian poems of different languages in Bengali translation.

Apart from academic activities, the PG students of the Department have showcased their excellence in a wide variety of co-curricular/ extra-curricular activities. In a cultural competition organized by St. Xavier's College, Bardhaman, the PG students have secured positions in various events: Debraj Saha and Uday Barman in debate competition, Sutirtha Mondal in fashion walk, Dipta Jha and Soumyadeep Mondal in quiz and Wriddhi Mondal in poetry recitation. Furthermore, in an Essay-writing competition organized as part of the Ministry of Statistics & Programme Implementation's "Swachhata hi Seva 2024" Campaign, Anindita Mukherjee and Debraj Saha secured the top two positions among all the University participants. Lastly, as a testament to their tremendous self-endeavouring abilities, the PG students have successfully conducted the first discussion session of their Book Club, with enthusiastic attendance and participation from students, scholars and faculty members alike.

Academic Achievements / Activities undertaken by Research Scholars and PG Students

Select Photographs of the Academic and Co-Curricular Activities

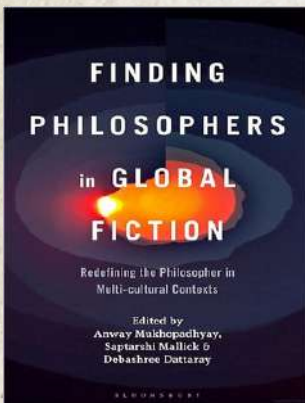


Figure 1: The Book which includes the research article by Prof. Arpita Chattaraj (Mukhopadhyay)

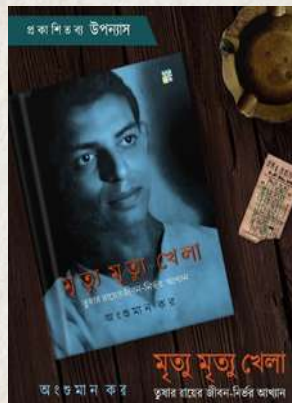


Figure 2: The newly published novel by Prof. Anghuman Kar



Figure 3: The first page of the research article by Subham Patar and Saptarparni Chowdhury.



Figure 4: Anindita Mukherjee receiving the prize for essay writing competition from the Honourable Vice-Chancellor, The University of Burdwan.



Figure 5 & 6: Debraj Saha and Uday Barman receiving prize and certificate for debate competition.



Figure 7 & 8: The first book discussion session organized by the Book Club Association of the Department.

DEPARTMENT OF ENVIRONMENTAL SCIENCE

In the last quarter, **Department of Environmental Science** has covered some remarkable milestones in the field of research publications and events. We are proud to announce that one of our M.Sc. students, Mr. Suresh Karmakar (session-2022-2024) has been absorbed by SUNDARAM STEELS PVT. LTD., Balidih, Bokaro, Jharkhand with monthly package of Rs 20,000/-. During this period, the departmental faculties have published ten (10) research papers in the international peer reviewed journals with highest impact factor of 3.6 in the journal- Journal of Trace Elements in Medicine and Biology.



Photo 2. Demonstration of instruments to the students of TDB College Raniganj [by Mr Harisankar Ray, PhD research scholar]

The department is blessed with three (3) major research projects sponsored by DST-WTI, ANRF (DST-SERB). Our department has organized a National Seminar on "Advanced Environmental Management Strategies for a Greener Tomorrow" on the eve of the 23rd Foundation Day, the 10th of December 2024. Prof. Basab Chowdhury, Ex-Vice Chancellor of West Bengal State University and Prof. Biplab Biswas, Department of Geography, The University of Burdwan enlightened our students with their erudite speech. Celebration of Foundation Day was also graced by presence of Ms Sanchita Sharma, IFS, the District Forest Officer of Burdwan Zoological Park, she also talked about the importance of conservation, plantation in natural forests. One of the teachers,



Photo 1. National Seminar on "Advanced Environmental Management Strategies for a Greener Tomorrow" [Felicitation to Prof. Basab Chowdhury and Prof. Biplab Biswas]

Prof. Naba Kumar Mondal has applied for major research project to bring fund from the organizations like ICSSR and WBDST. In addition he is recognized as Member of Editorial Board of one of the famous journals-Scientific Reports, Springer Nature. Department intends to create interest on sophisticated instruments to the UG students, this time students of TDB College, Raniganj have got exposure on high-end instruments through a one-day extension programme, held on 13th of December 2024.

DEPARTMENT OF GEOGRAPHY

LIST OF PUBLICATIONS

A. Research Publications:

Department of Geography, The University of Burdwan has seven (07) publications in Web of Science/Scopus indexed /UGC CARE listed journals during the period September-December 2024. Details are as follows:

- Professor **Gopa Samanta**, Department of Geography writes a series in Population Geography journal "Geo-Reflections". The 7th one is published in December 2024, entitled, "Research and Writing the 'Urban' in Indian Geography: A Critique of Pathways". Population Geography, 46(2). [UGC CARE Listed].

- Professor **Namita Chakma**, Department of Geography has published four (04) research articles. Details of the publications are as follows:
 1. Sen, S., Banerjee, A., Ali, A. and Chakma, N. (2024): "Regional Differences in Child Marriage among Women in India: Substantiation from Large-scale Survey", *Vulnerable Children and Youth Studies*, Taylor & Francis. Published in September 2024. <https://doi.org/10.1080/17450128.2024.2404130>. IMPACT FACTOR (CLARIVATE): 0.7; H Index: 29. (Web of Science and Scopus indexed journal).
 2. Ali, A., Sen, S., Banerjee, A. and Chakma, N. (2024): "Rural-Urban Differentials in Undernutrition among Women in India: Evidence from a Decomposition Approach", *Nutrition and Health*, Sage. Published in October 2024. <https://doi.org/10.1177/02601060241292401>. IMPACT FACTOR (CLARIVATE): 1.9; H Index: 30. PubMed cite score: 1. (Scopus indexed journal).
 3. Sen, S., Banerjee, A., Ali, A. and Chakma, N. (2024): "Modern Contraceptive Use among Currently Married non-pregnant Women (aged 15-49 years) in West Bengal, India: A Reflection from NFHS-5", *Contraception and Reproductive Medicine*, 9 (63) (2024), BMC, Springer Nature. Published in November 2024. <https://doi.org/10.1186/s40834-024-00322-7>. IMPACT FACTOR (CLARIVATE): 2.2. (Web of Science and Scopus indexed journal). PubMed cite score: 1.
 4. Sen, S., Banerjee, A., Ali, A. and Chakma, N. (2024): "Spatial Pattern of Girl Child Marriage and its Association with Poverty among Empowered Action Group (EAG) States in India: An Application of Exploratory Spatial Data Analysis", *GeoJournal*, Springer Nature, 90 (9). Published in December 2024. <https://doi.org/10.1007/s10708-024-11259-4>. IMPACT FACTOR (CLARIVATE): 2.0; H Index: 83. (Web of Science and Scopus indexed journal).
- **Dr. Somasis Sengupta**, Assistant Professor, Department of Geography has published two (02) research articles. Details of the publications are as follows:
 1. Jaman, M.H., Roy, S., Chatterjee, J., Das, S., Mistri, P. and Sengupta, S. (2024): Integrating Agricultural Land Suitability and Farmers' Perception on Crop Selection in a Water-Stressed Region of Eastern India, *Agricultural Systems*, v. 222, 104171. Published on 3rd November, 2024. <https://doi.org/10.1016/j.agry.2024.104171>. IMPACT FACTOR (CLARIVATE): 6.1, H Index: 134. (Web of Science and Scopus indexed journal).
 2. Jaman, M.H., Roy, S., Chatterjee, J., Das, S. and Sengupta, S. (2024): Modelling Soil Erosion Risk in the Kumari River Basin, India: A Revised Universal Soil Loss Equation (RUSLE)-Based Empirical Approach, *Journal of Indian Geomorphology*, v. 12. (UGC CARE LISTED).

B. Research Grants and Collaborations:

- **Professor Namita Chakma**, Department of Geography works as a Co-Project Director in a Collaborative Empirical Research Project (2024-25) received in December 2024 (Project Director: Dr. Jayanta Das, Rampurhat College), funded by the Indian Council of Social Science Research (ICSSR). [F. No. 49/2024-25/JJM/SC/RP/ICSSR]. Title of the research project is "Assessing the Impact of the Jal Jeevan Mission on Reducing Water Contamination and its Socio-Economic Implications with a Special Focus on Women and Elderly Population: A Case Study in Arsenic Affected Regions of Lower Gangetic Basin, West Bengal".



On behalf of the Editorial Team, we express our sincere respect and gratitude to our Hon'ble Vice Chancellor for taking the initiative to publish the University Newsletter, 'Burdwan University Mouthpiece'.



C. Awards obtained by Faculty and Research Scholars in International Conference/Seminar:

- **Dr. Sumana Sarkar**, Assistant Professor, Department of Geography has received the **Best Paper Award** in the Technical Session on Urbanization and Sustainable Cities in the 2nd International Seminar on 'Innovative Approaches in Geographical Research (IAGR)-Exploring New Dimensions for Sustainable Development Goals (SDGs), Organized by Rampurhat College, West Bengal on November 29-30, 2024. The title of the paper is "Assessment of LULC Dynamics in Small City-A Case of Balurghat City, West Bengal".



- **Mr. Subha Roy, Ph.D scholar**, Department of Geography has received the **Best Paper Award** in the Technical Session on Hazards and Disasters in the 8th National Association of Geographers, India International Conference on "Geography for a Sustainable Future: Land, Water, Climate and Society Interface", organized by Kazi Nazrul University, Asansol from September 23 - 25, 2024. The title of the paper is "Geospatial Approach to Assess the Erosion Susceptibility by Morphometry and RUSLE in Mayurakshi Drainage Basin, Eastern India".

- **Ms. Geetika Ganguly**, Ph.D. scholar, Department of Geography has received the **Best Paper Award** in the Technical Session on Rural Development and Agricultural Sustainability in the 2nd International Seminar on 'Innovative Approaches in Geographical Research (IAGR)-Exploring New Dimensions for Sustainable Development Goals (SDGs), Organized by Rampurhat College, West Bengal from November 29-30, 2024. The title of the paper is "Irrigation Scheduling Optimization for Bodo Paddy Cultivation through Surface-Subsurface Water use Assessment in the Canal Command Area of Damodar Valley Corporation (DVC), India".



DEPARTMENT OF HISTORY

11-12 November 2024: Prof Achintya Kumar Dutta chaired a session in an international seminar on 'Science Education in India through the Ages' organised by the Society for the History of Science Kolkata, held at Benaras Hindu University.





12 November 2024: The Department of History, organized a special invited lecture by Professor Sibabrata Chattopadhyay, former Professor of Bengali, The University of Burdwan, at Kadambini Ganguly Hall . His lecture was titled “অদীক্ষিতের ইতিহাসচর্চায় রবীন্দ্রনাটক”

16 December 2024: Dr Rajarshi Chakrabarty delivered a lecture as Distinguished Speaker and Chair at the International seminar organized by Memari College, West Bengal. The seminar was entitled “Third Gender: Voices and Challenges”



19 December 2024: Professor Dhrub Kumar Singh of Benaras Hindu University delivered the U N Brahmachari Endowment Lecture, organized by the Department of History. The lecture was delivered at the KadambiniGanguly Hall and the lecture was titled “Reflections of a Choleraic Century as Window to Diverse Medical Realms.”



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DEPARTMENT OF MATHEMATICS

One-Day Visiting Student Programme on Fostering Research Culture (Under SERB-Sponsored Core Research Grant [CRG/2022/005/005219])

Date of the event: September 23, 2024

A one-day visiting students programme was organized by the Department of Mathematics, The University of Burdwan (BU) on September 23, 2024 under SERB-sponsored Core Research Grant (CRG/2022/005219). The purpose of the programme was to foster research culture among the school students. Twenty-five meritorious students along with two mentor teachers of Sri Ramkrishna Saradapith High School (H.S.), Burdwan were invited to visit the Department of Mathematics, BU under this programme.

Professor Goutam Chandra, Hon'ble Vice-Chancellor of BU inaugurated the programme. Professor Sunil Karforma, Dean, Faculty of Science, BU and Professor Shyamal Kumar Hui, Head, Department of Mathematics, BU shared the inaugural dais. In the inaugural address, Hon'ble Vice-Chancellor presented various ways of carrying out scientific researches without expansive apparatus with illuminating examples. Professor Karforma made a comprehensive discussion on the current trend of researches in Computer Science. The role of Mathematics in solving real-world problems was elaborated by Head, Department of Mathematics Professor Shyamal Kumar Hui.

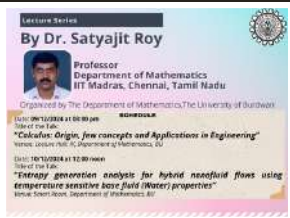
Professor Asoke Kumar Bhunia, Professor Arijit Ghoshal and Professor Mantu Saha of the Department of Mathematics, BU made three separate technical presentations to make the students familiar with some aspects of the present-day researches involving mathematics. Apart from the technical presentations, students were made to visit the library and numerical laboratory of the Department. An interactive session was also organized to provide the students an opportunity to interact directly with faculties of the Department. In the end, all students were found to be happy for participating in such a programme.



Lecture Series by Professor Satyajit Roy

Date of the event: December 09 – 10, 2024

The Lecture Series by Professor Satyajit Roy, Department of Mathematics, IIT Madras, Tamil Nadu, held from December 09 to 10, 2024, attracted an enthusiastic audience of 116 beneficiaries. Over the two days, Professor Roy delivered insightful talks on two key topics. The first lecture, titled "Calculus: Origin, Few Concepts, and Applications in Engineering," offered a comprehensive overview of the historical development of calculus, fundamental concepts, and its practical applications in various engineering fields. The second lecture focused on "Entropy Generation Analysis for Hybrid Nanofluid Flows Using Temperature-Sensitive Base Fluid (Water) Properties." This session was designed for Research scholars and faculty members of the Department of Mathematics which delved into advanced topics, exploring entropy generation in hybrid nanofluids and the impact of temperature-sensitive base fluids, specifically water, on fluid dynamics. The lectures were highly engaging and provided attendees with valuable knowledge applicable to both academic and professional pursuits. Professor Roy's expertise and passion for the subjects were evident throughout the series, making it a highly successful event.



DEPARTMENT OF BUSINESS ADMINISTRATION (HR)

- ▶ The department, in collaboration with CEISD, received a consultancy project of amount 1,75,820/- from Power Grid Corporation of India regarding impact assessment of health and rural development of CSR project in Coochbehar, West Bengal.
- ▶ Prof Partha Sarkar, as the Consultant has been engaged in the second round of the Consultancy Project of QJ Consulting amount 1.25 lakhs.
- ▶ The departmental faculty members have been engaged in the curriculum development of MBA(HR) programme of Biswa Bangla Biswabidyalay, Birbhum and facilitated identification of the industry linkages during the preparation of the programme.
- ▶ A design patent on 'Data Processing Device for Receiving and Analyzing Consumer Feedback' was granted to Dr Nirmal Chandra Roy (in joint collaboration) by the Patent Office, Government of India.
- ▶ A joint paper entitled "Pivot in Early Stage Startups: Key Factors and It's Impact" by Dr Nirmal Chandra Roy was published as part of Conference Proceedings in International Conference on Trends in Quantum Computing and Emerging Business Technologies, Pune, India, 2024. (Scopus Indexed)
- ▶ A joint paper entitled "The impediments to student life imposed by COVID-19 in India and Bangladesh: An empirical analysis" was published by Dr Nirmal Chandra Roy as an edited book chapter titled Sustainable strategic business infrastructure development and contemporary digital practices in Industry 5.0 Apple Academic Press, UK.
- ▶ Several students from the outgoing batch of MBA(HR) programme 2022-24 have been placed in various companies. Two of the highest salary receiving students from this batch are Miss Ankita Atta, and Sk Sanowar Ali. Miss Atta, was placed in Amazon as HR Administrator with 4.62 LPA and subsequently at IBM. Mr Ali was placed in Bharat Financial Inclusion Limited as Executive-Human Resource with 4 LPA.

DEPARTMENT OF MASS COMMUNICATION

Two students from the Department of Mass Communication, Sanchita Chatterjee and Pritha Chakraborty, were honored with cash prizes, certificates, and other token rewards in recognition of their outstanding performance in the Short Film & Short Video Making Competition organized by the Office of the Superintendent of Hooghly Grameen Police on November 18, 2024. The competition aimed to raise awareness about the critical issue of cyber security in today's digital age. Sanchita and Pritha created a compelling short video that effectively emphasized the importance of online safety, responsible digital practices, and strategies to combat cyber threats.



NSS CELL, BURDWAN UNIVERSITY

Promoting HIV & STI Education Through Art

The streets of Burdwan became a vibrant stage for social change as the NSS Cell of the University of Burdwan presented a powerful street drama as part of the Intensified IEC Campaign 2024. This initiative, launched by the Office of Youth Affairs of the West Bengal State AIDS Prevention and Control Society, sought to raise awareness about HIV, AIDS, and Sexually Transmitted Infections through creative and engaging methods.

The street drama, titled 'Protirodher Panchali: Jauno Sikkshya o Surakshya', was performed by 16 NSS volunteers at prominent locations such as Rajbati Main Gate, Nurse Quarter More, and the Central Canteen on August 27, 2024. The play imparted crucial messages on safe sexual practices, HIV prevention, and the importance of regular health check-ups, using real-life stories to resonate with the audience.



Ms. Piyali Das, Assistant Director of Youth Affairs at the Department of Health & Family Welfare, commended the innovative approach, stating, "When education and creativity come together, awareness spreads more effectively. This initiative makes learning about sexual health both engaging and impactful."

NSS Cell of Burdwan University Partners with the Ministry of Statistics for "Swachhta Hi Seva" Program

On September 23, 2024, the NSS Cell of Burdwan University, in collaboration with the Ministry of Statistics, organized the "Swachhta Hi Seva" program. This initiative promoted cleanliness, environmental awareness, and social responsibility among students and volunteers. The event featured a range of creative activities, including painting, poster making, essay writing, poem writing, letter writing, and slogan creation. Students from affiliated colleges actively participated in the program, with key coordination by Arpita Das, Shreyasi Jash, Sumit Kumar Dey, Surojit Sarakar, Rajdeep Mukherjee, Shubhamoy Kar, and Ranajit Gayen. A special tree plantation drive was also held, highlighting the importance of environmental conservation. Volunteers planted saplings across the university campus and surrounding areas, reinforcing their commitment to a cleaner and greener future. Pritha Chakraborty, Oindrila Chatterjee, Dipta Kumar Dey, Priti Khatun, and Sanchita Chatterjee led the tree planting initiative, successfully planting 50 fruit-bearing plants. Additionally, the Pre-Republic Day (RD) Camp, held on September 23, 2024, saw NSS volunteer Shilpita Das proudly represent Burdwan University, joined by 60 other volunteers from various colleges.



NSS Cell of Burdwan University and RICE Education Group Host Workshop on Sustainable Career Opportunities



The NSS Cell of Burdwan University, in partnership with the RICE Education Group, organized a successful one-day workshop on Sustainable Career Opportunities on December 12, 2024. The event saw the participation of approximately 700 students.

The workshop was designed to provide both undergraduate and postgraduate students with insights into sustainable career paths, focusing on long-term growth, skill development, and industry relevance. Through interactive sessions and expert discussions, students gained valuable knowledge about various career options and the evolving job market.

A highlight of the event was an inspiring session by Prof. (Dr.) Samit Ray, Chairman of RICE Group and Chancellor of Adamas University. The workshop was coordinated by Dr. Suparno Moitra, an Economist & Public Policy Specialist, and Prof. Malayendu Saha, former Chairman of the West Bengal Joint Entrance Examinations Board.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

A Short Course on
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WITH
PYTHON
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• Differentiation, Integration
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• Curve Fitting, Statistical Analysis
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Any Academician/Professional is eligible having elementary knowledge on:
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ORGANIZED BY: USIC, THE UNIVERSITY OF BURDWAN
APPLY BEFORE : 24th October, 2024
FOR MORE INFORMATION
Visit : https://www.buruniv.ac.in/usic/USIC_workshops.html
Mail : usic.workshop@usic.buruniv.ac.in

USIC Introduces Its First Online Short Course on Numerical Analysis with Python

From November 18 to 25, 2024, USIC successfully conducted an online short course on Numerical Analysis with Python. The course garnered participation from 22 research scholars, faculty members, and professionals across India and abroad, representing institutions such as IIT Mandi, University of Delhi, Banaras Hindu University, Panjab University, Cochin University of Science and Technology, Jamia Hamdard, NEHU Shillong, University of Calcutta, Mangalore University, Berhampore University, CGSIP University, University of Kalyani, Aliah University, NSOU, and Seoul National University.