

**J U L Y - D E C**

**2025**



**KALYANI  
UNIVERSITY  
CHRONICLES**

**ISSUE-2, VOLUME-1**



*Knowledge*

*Innovation*

*Excellence*

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## From the Vice-Chancellor's Desk

Dear Readers and Members of the University of Kalyani Community,

It is a pleasure to present the second issue of The **Kalyani University Chronicle**, a publication that I believe is steadily becoming the living memory of our institution—capturing not only events, but also the spirit and ambition that guide all that we do. The months covered in this issue have been among the most eventful in recent memory. We celebrated our 31<sup>st</sup> Convocation in the presence of the Hon'ble Chancellor, Dr. C. V. Ananda Bose, and our distinguished Chief Guest, Prof. V. Ramgopal Rao, Vice-Chancellor of BITS Pilani, as degrees, doctorates, and medals were conferred upon a generation of scholars whose dedication deserves our deepest admiration. To our graduating students, I would say this: the degree you hold is not the summit—it is the basecamp; the real climb begins now.

Beyond the convocation, our faculty have continued to distinguish themselves in remarkable ways. From invited lectures at international conferences, to prestigious recognitions such as the Fellowship of the Royal Society of Chemistry and WAST Associate membership, and sponsored projects supported by DBT, ICMR, CSIR, ANRF, and ICSSR, the breadth of our academic activity in a single semester is a source of immense pride. Our research output—now approaching nearly 500 publications annually, with over 1,40,000 citations and an h-index of 115—confirms the University of Kalyani's standing among the country's leading research institutions.

I am equally heartened by the vitality of our wider institutional ecosystem. The Kalyani University Institution's Innovation Council welcomed its first incubatee; the IPR Cell fostered entrepreneurial thinking through its IDEA Clinic; DESKU EIACP carried the message of environmental responsibility to more than eight lakh people across West Bengal and Odisha; the NSS Cell hosted the first-ever District Level Viksit Bharat Youth Parliament; and the Centre for Women's Studies brought together craft, community, and cleanliness through meaningful outreach. The Centre for NET/SET Coaching and Career Counselling has now guided over 1,500 students, with more than 150 qualifying in national and state eligibility tests, reflecting our steady commitment to educational equity.

I thank every faculty member, student, researcher, and staff member whose efforts are reflected in these pages, and I look forward to even greater achievements in the months ahead.

With warm regards,  
 Professor Kallol Paul  
 Vice-Chancellor  
 University of Kalyani

## Message from the Chairperson, Newsletter Committee

Dear Readers,

*With deep satisfaction and a sense of renewed purpose, I present to you Issue 2, Volume 1 of The Kalyani University Chronicle — a document that I hope you will find not merely informative, but genuinely inspiring.*

*When we set out to revive this newsletter in an organised and sustained manner, the vision was clear: to create a platform that faithfully records the intellectual energy, institutional achievements, and human stories that define the University of Kalyani. This second issue, I believe, fulfils that vision with greater richness and range than the first.*

*The Newsletter Committee has worked with care to compile, co-edit, and present this content as accessibly and attractively as possible. I am deeply grateful to my co-editors, and to every member of the committee who gave generously of their time. I must also express sincere gratitude to all contributing faculty members, department coordinators, and administrative units who shared their news, their photographs, and their stories with us. Without them, there is simply no newsletter.*

*A particular highlight of this issue is the Alumni Spotlight featuring Prof. Nirmalya Ghosh, whose reflections on his student years at Kalyani — the rigorous physics curriculum, the hostel friendships, the inter-departmental cricket matches — serve as a gentle but powerful reminder of what a university truly is: not just a place of formal learning, but a crucible of character, curiosity, and lifelong connection.*

*We welcome your responses, corrections, and contributions for future issues. This newsletter grows richer with every voice that joins it. Please write to us at [kunews2025@klyuniv.ac.in](mailto:kunews2025@klyuniv.ac.in).*

*Sincere regards,  
Prof. Subhratanu Bhattacharya  
Chairperson, Newsletter Committee  
University of Kalyani*

# Cover Story

## *A Day Etched in Gold: The University of Kalyani Celebrates Its 31st Convocation*



On a crisp morning in Kalyani, the University came alive with the familiar excitement of convocation day. By mid-morning, the halls were filled with academic gowns, the quiet pride of parents, and the buzz that always accompanies a milestone like this. Inside the A.P.J. Abdul Kalam Auditorium, the University of Kalyani held its 31st Convocation, marking years of hard work, persistence, and achievement.

Founded in 1960 by an Act of the West Bengal Legislative Assembly, the University of Kalyani has spent 65 years as one of Bengal’s leading centres for teaching and research. The 31st Convocation carried that legacy forward, bringing together a generation’s worth of academic accomplishment on one stage.

### *The Ceremony*

The morning began, as tradition demands, with the academic procession. Members of the Court and Executive Council, deans, faculty, and graduating students walked in quiet dignity toward the auditorium, their robes catching the winter light. On the dais stood the formal insignia of the University, with the lectern placed beside the institution’s emblem and the national tricolour.

The Honourable Chancellor of the University and Governor of West Bengal, Dr. C. V. Ananda Bose, presided over the ceremony and addressed the gathering. His presence, formal yet gracious, set the tone for a Convocation that was both solemn and celebratory. The University had the privilege of hosting Prof. V. Ramgopal Rao, Hon’ble Vice-Chancellor of BITS Pilani, as the Chief Guest. The Hon’ble Vice-Chancellor, Professor Kallol Paul, then formally requested the Chancellor to declare the Convocation open, after which degrees and medals were conferred.

### *Degrees, Doctorates, and the D.Litt.*

At the heart of every convocation are the candidates, and the 31st was no exception. The University conferred its honorary D.Litt. on a distinguished recipient whose work has shaped both learning and public life. Doctoral and M.Phil. degrees awarded since the 30th Convocation, up to the cut-off of 21 November 2025, were also presented, each reflecting years of original research across the University’s

departments. Undergraduate and postgraduate medals for the regular mode, covering the academic years 2023 and 2024, were awarded to toppers in their respective disciplines.

The gold and silver of those medals may have been small, but they carried the weight of years of effort. In the gallery, family members stood to capture photographs they will treasure for life, while friends clapped and cheered with quiet pride. It was a brief but unforgettable moment of celebration that the formal stage could not, and did not, try to contain.

### *Words for the Road Ahead*

In his Convocation address, the Chancellor reminded the graduating scholars that a degree is not a destination but a sign of readiness — readiness to think clearly, act with integrity, and give back to the society that helped shape them. He reflected on the University’s legacy and on the responsibility each alumnus carries into professional and civic life. The Chief Guest’s thoughtful address further inspired the graduates to pursue excellence, uphold ethical values, and contribute meaningfully to society.

In his report, the Vice-Chancellor outlined the year’s key milestones at Kalyani: growing research output, new academic and certificate programmes, faculty achievements, and the University’s ongoing engagement with the wider community of Nadia and beyond. He also expressed gratitude to the teachers, officers, and non-teaching staff whose often unseen efforts make a convocation — and the University itself — possible.

### *Looking Ahead*

The 31st Convocation ended with the national anthem and the academic procession’s recessional. But for the graduates, it was really the beginning of a longer journey — from student to citizen, from learner to leader, and from member of the University to bearer of its values.

The University of Kalyani congratulates its graduating class. The Newsletter wishes each of them clarity, courage, and fulfilment in the years ahead. The campus may grow quieter now, but their lives will continue to carry Kalyani’s spirit far beyond its walls.

## Alumni Spotlight: Insights from Prof. Nirmalya Ghosh



*Prof. Nirmalya Ghosh is an Indian physicist who is internationally known for his research in the field of optical Polarization and related phenomena. He is a Professor in the Department of Physical Sciences and Centre of Excellence in Space sciences India (CESSI), Indian Institute of Science Education and Research (IISER) Kolkata. He completed his B.Sc. (first class) and M.Sc. (first rank, first class) at the University of Kalyani (1990–1995). He worked as a Scientist at Raja Ramanna Centre for Advanced Technology (RRCAT) Indore, a unit of Department of Atomic Energy, India and also obtained his PhD from RRCAT. Subsequently, he conducted postdoctoral research at University of Toronto, Canada and joined IISER Kolkata in 2010. He is recipient of the prestigious G. G. Stokes Award in optical Polarization given by SPIE, the international society of Optics and Photonics, for his seminal contributions in the domain of optical polarization and related phenomena. In recognition of his overall contributions in the domain of Physics, he was elected Fellow of Indian Academy of Sciences (FASc.), Fellow of National Academy of Sciences, India (FNASc.), Fellow of OPTICA (formerly Optical Society of America) and Distinguished Fellow of International Engineering and Technology Institute (IETI). He serves on editorial advisory boards for leading journals in Physics and Optical Physics and authored over hundred fifty papers in peer-reviewed international journals, and has also written several invited reviews, book chapters and a text book in optical physics and photonics. Here he talks with Prof. Subhritanu Bhattacharya about his journey from Classroom of KU to an illustrious career, and his perception about the University of Kalyani.*

*How would you describe your association with the University of Kalyani and your first impressions of the campus?*

**Answer:** My association with the University of Kalyani spans some of the most formative years of my life, from 1990 to 1995, when I pursued both my undergraduate and postgraduate studies in physics. In our time, University of Kalyani used to have integrated B.Sc. and M.Sc. program. Therefore, we directly came to the University from the school. I still vividly remember when I came here for the first time during admission, I was hugely impressed by the beautiful campus, the University buildings, hostels etc. Those days, we used to have very few students (about 20-25) admitted to the UG program of individual departments and therefore we developed strong enduring bond among ourselves which remains till date. Despite such a long time (almost three decades now) and distance, we remained closely connected to each other, and now-a-days with the advent of various social media platforms this has of course evolved through formation of our social media groups. I also used to stay in Hostel (PG Hall 1) and had a lot of friends, with whom I have maintained deep friendship which is anchored in shared memories of our olden university days.

As for academic connection, I must note that the university provided a serene and academically enriching environment that was highly conducive to learning. What struck me most was the sincerity of academic engagement—both from faculty and students—which created a strong foundation for intellectual growth.

*Why did you choose the University of Kalyani for higher studies?*

**Answer:** Since I was coming from a small township in the district of Medinipur without having much exposure to various colleges and Universities, I felt very comfortable here in University of Kalyani. The University of Kalyani had already developed a reputation for strong academic training in the sciences, particularly in physics. The Department of Physics, being one of the oldest departments of the university offered a structured and rigorous curriculum. For me, it represented an ideal place to build a solid conceptual base and to prepare for a future in research. I am deeply indebted to our Professors in the Physics Department who had inspired me to carry out higher studies in Physics. I still remember we used to be in awe of some of our professors like Prof. Padmanava Dasgupta, Prof. Siddhartha Roy, Prof. Chirantan Neogi and others while they taught

us in the class. I was motivated by their passion for Physics and the depth of their knowledge and understanding in different branches of physics spanning classical to quantum mechanics, Electromagnetic theory and waves and optics, Solid state physics and so on. I think that was the time when I decided that I shall continue higher studies and research in Physics rather than looking for regular jobs. Back then, I of course never imagined that I shall have such a long career in Physics and that I shall eventually come back to IISER Kolkata, which is in the neighbourhood of University of Kalyani. It is really satisfying that this has enabled me to keep regular contact with our university where I started my academic journey.

*How has the University of Kalyani impacted your multifaceted career?*

**Answer:** The University of Kalyani played a foundational role in shaping my scientific career. The emphasis on conceptual clarity, analytical thinking, and disciplined study helped me develop a strong grounding in physics. The academic training I received there enabled me to transition smoothly into advanced research environments later in my career, including my work at Raja Ramanna Centre for Advanced Technology, Indore, subsequent international exposure at University of Toronto, Canada and here at IISER Kolkata.

*Would you like to share any special memories that you associate with your time in the University of Kalyani?*

**Answer:** In fact, I have lots of special memories and it is difficult to single out one particular memory. In academics, what I cherish most is the overall academic culture of the university—engaging classroom discussions, meaningful interactions with Professors and my classmates. These experiences created a sense of intellectual curiosity and discipline that has stayed with me throughout my career. I of course cherish a lot of special memories beyond academics, the time spent with my classmates in the university campus, memories of my hostel days with my friends. In those days, besides the academic programmes, we used to have a lot of activities in sports and culture. Specifically, I have fond memories of the Inter Hostel or inter departmental football and cricket matches that I had played during my time in the University, which were often fiercely contested. Similarly, I have wonderful memories of organizing and participating in Hostel Hall days, Departmental Reunion, the Student Festival (Chhatra Utsav) and so on. Those are indeed unforgettable memories.

Contd.

*What has been the trajectory of your career since you left the University of Kalyani?*

**Answer:** After completing my M.Sc. in Physics from University of Kalyani, I continued my studies and joined the M. Tech. program in Photonics at IIT Kanpur. In fact, my research journey with light started at IIT Kanpur, where I conducted a research project in the area of light-matter interaction and specifically on interaction of polarized light with complex biological media. I then joined the Raja Ramanna Centre for Advanced Technology (RRCAT), Indore (which is a unit of Department of Atomic Energy), where I worked as a Scientist during the period 1998-2007. I continued my research in the domain of optical physics and photonics with special emphasis on the use of optical spectroscopic and imaging techniques for biomedical diagnosis and imaging and I also obtained my PhD in this area. I then pursued postdoctoral research at the University of Toronto, Canada. In 2010, I joined IISER Kolkata, where I have since been involved in both teaching and research. At IISER Kolkata, I have developed bio-optics & Nano-photonics (bioNap) research laboratory to carry out research in the field of nano-optics and biophotonics. Over the years, the group's work has been focused on fundamental aspects of optical polarization and related phenomena, and its applications in multiple areas of optical sciences from quantum optics, space optics, and biomedical optics, to material sciences.

*What inspires your own research?*

**Answer:** My research is driven by a deep curiosity about the fundamental nature of light and its interaction with matter. The elegance of physical principles governing such interactions, along with their wide-ranging applications, continues to inspire me. The process of uncovering new insights and contributing to the broader understanding of nature remains a constant motivation.

*Could you provide some information about your research?*

**Answer:** Yes, sure. The research of our bio-optics and Nanophotonics (bioNap) laboratory at IISER Kolkata is primarily focused on fundamental studies on light-matter interactions and its possible applications in diverse fields ranging from material sciences, space optics, quantum optics to biomedical optics. Despite our growing understanding on Light, it remains an enigmatic entity. It can be described as transverse electromagnetic wave in the realm of classical electromagnetic theory, alternatively, it is also described using quantum theory where light can be treated as quantum particle "photon". Our research spans both the classical and quantum domains. We carry out fundamental studies on various intriguing phenomena involving light-matter interactions at the nanometer length scale, where dramatic effects associated with absorption, scattering and interference of light can be observed in sub-wavelength (nanometer) length scales. We also study quantum effects such as spin orbit interaction of light and address foundational questions in quantum mechanics using quantum measurements like weak measurements using light. These studies are not only providing fundamental understanding on the nature of light and its interaction with matter, these are also opening novel route towards development of miniaturized light-based photonic

devices for numerous applications ranging from nano and bio-materials characterization, space optics applications, applications in bio and chemical sensing, and in quantum information processing etc. A significant component of our research is also devoted towards development of novel experimental concepts and optical spectroscopic techniques based on polarization, angular momentum and structured light for their applications in early and quantitative diagnosis of disease and for high resolution (going down to micron / sub-micron spatial resolution) imaging of biological tissues and its underlying structure. Research in this so-called biophotonics domain has societal impact as light-based optical techniques have already shown considerable promise for non-invasive and early diagnosis of various types of diseases, which helps in effective management of the disease and its treatment.



*What do you enjoy most about your career?*

**Answer:** What I enjoy most is the joy of discovery and the opportunity to mentor young students. Research offers the excitement of exploring unknown ideas, while teaching allows me to share that excitement with the next generation. Interacting with students and guiding them in their academic and research journey is particularly fulfilling. Beside nurturing my students, I also enjoy working with colleagues across the global physics and optics community. It is indeed gratifying to know many of our former students are performing quite well in laboratories abroad and are competent and ambitious towards driving the next generation of photonics education and technological development.

I am also a very passionate teacher, particularly in areas related to optical physics and experimental physics. Besides regular theory courses in physics, my teaching journey is also marked by a relentless pursuit of developing innovative experiments to provide students a broad-based flavour and hands-on experience on the basic phenomena and fundamental concepts related to general laws of classical physics, modern physics, the science of light dealing with both the quantum and electromagnetic wave nature of light. I have also co-authored a text book on optical physics, "Wave optics: basic concepts and contemporary trends". I also enjoy contributing to the education and dissemination of the knowledge of science of light beyond usual academic curriculum by giving lectures and organizing various National / International Schools and workshops, on diverse topics in both classical and quantum optical physics. The goal is to foster growth and advancement of emerging areas in optical physics in India as well as enhancing the global presence of the Indian photonics community.

Contd.

In the International scenario, I have been associated with the two leading international societies of Optics and Photonics, namely SPIE and OPTICA (formerly Optical Society of America) in various capacities, as International Committee Member of various international conferences, Lecture / Webinar series etc.

Likewise, I have been serving in editorial advisory boards for leading journals in Physics and Optical Physics, edited a number of special issues of journal on selected topics in the domain of optical physics and photonics. I have also enjoyed being deeply involved with the OPTICA and SPIE student chapters of IISER Kolkata from its inception. These student chapters have developed into a vibrant community of undergraduate and graduate students independently planning, organizing, and carrying out optics-based knowledge dissemination and popularization events, outreach activities, conferences etc.

*What advice would you give to students struggling to find their true passion?*

**Answer:** It is quite natural to feel uncertain about one's passion, especially in the early stages. I would encourage students to remain curious and patient. Passion often develops gradually through consistent engagement rather than appearing instantly. Exploring different areas, asking questions, and maintaining persistence are essential in discovering what truly interests you. In this regard, I would just like to quote Richard Feynman, one of the most influential theoretical physicists of the 20th century - "I was an ordinary person who studied hard. There are no miracle people. It happens they get interested in this thing and they learn all this stuff, but they're just people".

*How do you feel when you look back at your journey from being a student at the University of Kalyani to becoming an internationally recognised scientist?*

**Answer:** Looking back, it is both humbling and gratifying to reflect on the journey—from being a student at the University of Kalyani to contributing to the global scientific community. It reinforces my belief that a strong academic foundation, combined with sustained effort and curiosity, can lead to meaningful achievements.



*Prof Ghosh with his research group.*

*What message would you like to share with the current students of the University of Kalyani?*

**Answer:** I would encourage students to make the most of the academic environment at the University of Kalyani, which has a long-standing tradition of excellence in education and research. Focus on building strong fundamentals, remain intellectually curious, and be consistent in your efforts. Success in any field is a result of dedication, perseverance, and a lifelong commitment to learning.



*With Prof. Lev Vaidman of Tel Aviv University*

*Some selected notable publications of Prof. Nirmalya Ghosh*

1. "Autonomous self-repair in piezoelectric molecular crystals", Surojit Bhunia, et. al., *Science*, Vol 373, 6552, 321-327 (2021).
2. Spin-Direction-Spin Coupling of Quasiguidded Modes in Plasmonic Crystals, JK Nayak, et. al, *Physical Review Letters* 131 (19), 193803 (2023). *(Featured in the cover page, Received the best publication of the year Award at National Physicists Conclave 2024).*
3. Investigating spin-orbit interaction of light in micro- and nanophotonic systems using polarization Mueller matrix, JK Nayak, et. al, *Applied Physics Letters* 126, 030501 (2025).
4. Longitudinal and Transverse Optical Beam Shifts Show Non-separability, N Modak, et. al, *Laser & Photonics Reviews*, 17 (9) 2300166 (2023).
5. "Polarization-Tailored Fano Interference in Plasmonic Crystals: A Mueller Matrix Model of Anisotropic Fano Resonance", Subir Kumar Ray, et. al, *ACS Nano*, 11, 1641-1648 (2017).

# Faculty News

## Awards, Honours and Recognitions



### Dr. Manindranath Bera

Professor, Department of chemistry, has been elected as the *Fellow of the Royal Society of Chemistry (FRSC)*.



### Dr. Avik Kumar Bagdi

Assistant Professor, Department of Chemistry, has been elected as the *WAST Associate 2025*, by the West Bengal Academy of Science & Technology (WAST). Dr. Bagdi also received the *Bronze Medal Award* from the prestigious Chirantan Rasayan Sanstha® (CRS). He was also elected as the *Early Career Board Member of Research on Chemical Intermediates* by the Research on Chemical Intermediates Springer, during October 2025.

### Dr. Jayanta Kumar Biswas

Professor, Department of Ecological Studies featured in the Stanford's List of World's Top 2% Scientists in 2025. Prof. Biswas also featured in the AD Scientific Index with Institutional Rank: 1st in

Kalyani University, India Rank 1256, and World Rank: 89783. He also won *NESA Fellowship Award 2025 (Fellow, National Environmental, New Delhi)*

### Dr. Anshuman Bagchi

Professor, Department of Biochemistry and Biophysics was invited to serve as a *Member of the Technical Expert Committee (TEC) for the Programme Area "Theoretical & Computational Biology (Bioinformatics, BTISNet, AI & Big Data),"* implemented by the Department of Biotechnology, Ministry of Science and Technology, Government of India. He is the only representative from West Bengal on this committee, making the appointment a matter of special distinction for both the individual and the University.



Prof. Bagchi also received a letter of appreciation from Afrigen-D, African Genomics Data Hub, University of Cape Town, South Africa for successfully hosting and co-conducting the course titled *"Introduction to Bioinformatics"* being conducted by Afrigen-D, African Genomics Data Hub, University of Cape Town, South Africa.

He has also become a member of the Editorial Board for the journal *Hereditas, BMC series, Springer Nature Publishing House.*

### Dr. Nita Bandyopadhyay

Professor, Department of Physical Education, delivered a *Plenary lecture* at the 1<sup>st</sup> Overseas International Conference, jointly organized by the Faculty of Sports Science and Recreation, Universiti Teknologi MARA (UiTM), Shah Alam, Selangor, Malaysia, and the Faculty of Health Science and Sport, Thaksin University, Thailand, held from 18 to 20 September 2025.



### Dr. Amalendu Bhunia

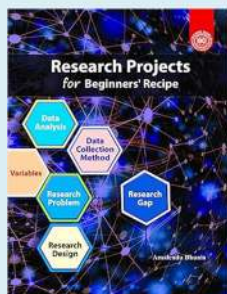
Professor, Department of Commerce received the *Best Paper Award* at the one-day National Seminar on "Emerging Issues in Accounting, Finance and Management," jointly organized by St. Xavier's University, Kolkata, and the Indian Accounting Association, Kolkata Branch, on 26 July 2025. In addition, he served as a Scientific Committee Member of the 8th International Conference on Research in Management held in Cambridge, United Kingdom, from 6 to 8 June 2025, and of the 7th International Conference on Research in Human Resource Management held in Vienna, Austria, from 28 to 30 November 2025. He was further associated as a Scientific Committee Member of the International Conference on Finance, Business Administration and Enterprise Development (FBAED 2025) held in Kunming, China, on 24 November 2025.

## Faculty News

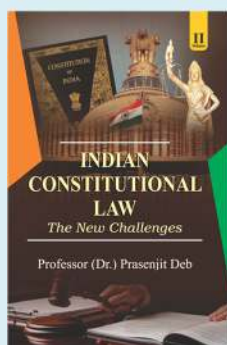
### Books Published



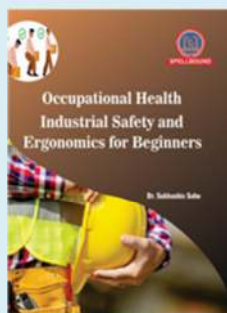
**by Dr. Tuhin Mukherjee,**  
Associate Professor,  
Department of Business  
Administration (2025):  
**Put Call Options: Valuation  
and Strategy,**  
Manorama Publishers  
(New Delhi) (ISBN:  
978-93-94441-55-2



**by Dr. Amalendu Bhunia,**  
Professor, Department  
of Commerce (2025):  
**Research Projects for  
Beginner's Recipe,**  
Techno World, India. (ISBN:  
978-93-48492-84-5)



**by Dr. Prasenjit Deb,**  
Professor, Department of  
Lifelong Learning &  
Extension (2025):  
**Indian Constitutional Law :  
The New Challenges (Vol.  
II),** DPS Publishing House,  
New Delhi. (ISBN: 978-93-  
47162-67-1)



**by Dr. Subhashis Sahu,**  
Professor, Department of  
Physiology (2025):  
Occupational Health  
Industrial Safety and  
Ergonomics for Beginners,  
Spellbound Publishing  
House, Kolkata. (ISBN: 978-  
81-988739-8-9)



**by Dr. Sabyasachi  
Chatterjee,**  
Professor, Department of  
History, *বিজ্ঞান আন্দোলনের  
সংক্ষিপ্ত রূপরেখা,*  
Gobardanga Gabesana  
Parisat, (ISBN 978-93-  
92251-60-3).

### Invited Lectures

**Dr. Asmita Samadder,**  
Assistant Professor,  
Department of Zoology,  
delivered an invited lecture  
on "Development of  
Nanomaterials for Targeting  
Signalling Proteins for  
Therapeutic Management of  
Diabetes: A Molecular  
Docking Prediction" on 10<sup>th</sup>  
September 2025 at the  
International Conference on  
"Frontiers in Science: An  
Integrative Approach in  
Solving Global Challenges"  
(ICFS-2025), organized by  
Krishnagar Government  
College.

Dr. Samadder also delivered  
an invited lecture on  
"Development of  
homeopathic mother  
tincture-based  
nanomaterials for selective  
targeting of signalling  
proteins for therapeutic  
management of diabetes", on  
27<sup>th</sup> December 2025, at the  
Golden Jubilee Celebration  
conference organised by the,  
Homoeopathic Medical  
Association of India,

**Dr. Avik Kumar Bagdi,**  
Assistant Professor,  
Department of Chemistry,  
delivered an invited lecture  
on "Shining Light on  
Synthesis of Oxygen  
Heterocycles" on 19<sup>th</sup>  
September 2025 at the  
national Conference on  
"Advanced Materials &  
Technologies for Sustainable  
Energy & Future (AMTSEF-  
25)", organized by  
Department of Chemistry  
University of North Bengal

Dr. Bagdi also delivered an  
invited lecture on "Shining  
Light on Cross-  
Dehydrogenative Coupling",  
as the CRS Bronze Medal  
lecture during 1-2 August  
2025, at the "Rasayan 21"  
conference titled "Science  
Beyond Boundary:  
Invention, Discovery,  
Innovation and Society"  
organised by the, Chirantan  
Rasayan Sanstha® (CRS)  
and Manipal Academy of  
Higher Education.

**Dr. Abhay Sankar Sahu,**  
Professor, Department of  
Geography, delivered an  
invited lecture on "Tragedy  
of the Indian Himalaya: An  
Environmental Perspective",  
during 05-06 December,  
2025, in the National  
Seminar, on From Crisis to  
Conservation: Communities,  
Culture, and Nature in  
Harmony: Pathways to  
Resilient and Sustainable  
Ecosystems, organised by  
the UG and PG Department  
of Geography and  
Department of Zoology,  
Bajkul Milani Mahavidyalaya  
Purba Medinipur, in,  
collaboration with Dr.  
Shyama Prasad Mukherjee  
University, Ranchi.

Prof. Sahu also delivered an  
invited lecture on 'WebGIS  
and open data sources: an  
overview', on 19 November,  
2025, at the celebration  
conference of 'World GIS  
Day', organised by  
Department of Geography,  
Krishnagar Government  
College, Nadia.

## Faculty News

### Invited Lectures

**Dr. Arunima Biswas**, delivered an invited lecture on • “*Repurposing Phos-phodiesterase 4 Inhibitors to Overcome Therapeutic Bottlenecks in Breast Cancer and Cervical Cancer*” on 19 November 2025, at the IHS Colloquium Series, organised by Presidency University.

**Prof. Jayanta Kumar Biswas** delivered an Invited Lecture titled “*Wastewater Valorization Using Nature-based Solutions (NbS): Ecotech Tools for Sustainability*” at National Institute of Technology Durgapur on September 20, 2025.

**Prof. Angshuman Bagchi**, delivered an invited lecture on “*Non-coding RNAs-new players in disease developments*” Extension Lecture, organized by Department of Microbiology, R K Mission Vidyamandira, Belur Math, West Bengal, on 26th of July, 2025. Prof. Bagchi was invited by Yuvbani, PRASAR BHARATI, Akashvani, Kolkata as an expert and guest for the programme titled “*Peshar Sandhane*”, aired on 07.12.2025 from 17:50 hours (IST) Prof. Bagchi was further invited by PRASAR BHARATI, Akashvani, Kolkata as an expert and guest for the programme titled “*Title: TALK FOR SCIENCE MAGAZINE ANWESHA*”, aired on 31.07.2025 from 20:30 hours (IST). Prof. Bagchi delivered an invited lecture on “*Non-coding RNAs & their protein products- new players in disease onsets*” at the Computational Biology Conference 2.0 (CBC 2.0) organized by Indian Biological Data Centre, Regional Centre for Biotechnology, Haryana, during 8th to 10th December, 2025. He also acted as the session-chair for the Session VI.

**Prof. Amalendu Bhunia** delivered an invited lectures on “*Management*

*Practices and Business Dynamics in the Era of Artificial Intelligence*” at the Intl. Conf. on Reimagining Business Management, organised by the Dept. of Business Management, Tripura University & North East Management Association, during 4–5 July 2025. Prof. Bhunia delivered another invited lecture on “*Focus on Quality Research*” at the National Seminar on Emerging Issue in Accounting, Finance and Management, organised by St. Xavier’s University & Indian Accounting Association, Kolkata Branch, during 26 July 2025. Prof. Bhunia delivered another invited lecture at the National Seminar on Navigating the New Age of Commerce and Finance, organised by Dept. of Commerce, The Bhawanipur Education Society College & SKACRA on 2 August 2025. Prof. Bhunia also delivered an invited lecture on a topic “*Role of Academia-Industry Collaboration in Green Innovation*” on November 29, 2025 in a two-day International Seminar on “*Viksit Bharat 2047: Shaping the Future through Inclusive Growth, Education, and Governance*”, organized by the Department of Commerce, Calcutta Girls’ College, Kolkata in collaboration with Indian Accounting Association.

**Dr. Argha Kusum Mukharjee**, associate professor, department of Economics delivered an invited lecture on “*Women’s Empowerment and Use of Modern Contraceptives: Evidence from the National Family Health Survey-5*” at online Intl. FDP on Interdisciplinary Research in Social Science & Humanities, organised by Srikrishna College) & Birangana Sati Sadhani Rajyik Viswavidyalaya, Assam, during 19–31 May 2025.

**Dr. Anindya Bandyopadhyay**, assistant Professor, department of Sanskrit, delivered an invited lecture on “*When Dharma Speaks Law: Difficulties in Translating Sanskrit Juridical Texts*” at the Skill Development Workshop on Translation, organized under the National Translation Mission, Mysore, and held at the Institute of Language Studies and Research, Kolkata, on 7 November 2025.

Dr. Bandopadhyay delivered another invited lecture on “*From Ownership to Obligation: Medhātithi’s Legal Reading of Manu’s Guardianship*” at the ICSSR-Sponsored Intl. Conf. on Ramifications of Law and Justice in the Indian Knowledge System, organised by Vidyasagar College for Women, Kolkata, on 18 November 2025.

He also delivered an invited lecture on “*Truce with the Tusker: Environmental Governance and Political Economy in the Indian Knowledge System*” at Loreto College, Kolkata, on 11 December 2025.

**Prof. Nita Bandopadhyay** delivered an invited lecture on “*Guru Rabindranath Tagore’s Thoughts on Sports and Peace*” at the International Conference on Sports for Peace 2025, organised by the World Society for Peace Sports & Yonsei University, Seoul, South Korea, during 15–16 November 2025

**Prof. Subhasish Sahu**, delivered an invited lecture on “*Better Working Life: Ergonomics Perspective*” at Lalgola College, on 20<sup>th</sup> August.2025 Prof. Sahu delivered another invited lecture on “*Ergonomics for efficiency enhancement*” at Indian Chamber of Commerce, on 13<sup>th</sup> october.2025.

## Faculty News

### Invited Lectures

**Dr. Prasenjit Sarkhel**, professor, department of Economics delivered an invited lecture on “*Circular Economy and Waste Management in India*” at the Refresher Course on SDGs & Curriculum Integration, organized by the Malaviya Mission Teacher Training Centre, University of Burdwan, on 14 August 2025.

He also delivered another invited lecture on “*Challenges to Sustainable Growth in India*” at CONFLUENCE, organized by the Postgraduate and Research Department of Economics, St. Xavier’s College (Autonomous), Kolkata, on 17 September 2025.

**Dr. Sudha Gupta**, professor, department of Botany delivered an invited lecture on “*Sustainable Honey Farming: Assessing Floral Sources and Quality through Scientific Tools*” at the Internship Programme “Sustainable Honey Farming: From Nectar to Jar,” organized by Narasinha Dutt College, Howrah, on 19 June 2025.

**Prof. Sabyasachi Chatterjee** delivered an invited lecture on “*Vidyasagar’s Scientific Mind*” at Durgapur Women’s College on 22 September 2025. He also delivered another invited lecture on “*Cultivating Scientific Culture in Bengal*” at Lalgola College on 21 November 2025.

**Dr. Subhratanu Bhattacharya**, Professor, Department of Physics, delivered an invited lecture on “*Conceptualization of Project Proposal for Achieving Research Grant*” at the Two-Day National Workshop on Secrets & Strategies in Capturing Research Grants, organized by North Bengal University under the SSR scheme of ANRF, Government of India, on 2 August 2025.

### Paper Presented

**Prof. Amalendu Bhunia** presented following papers in different events: “*Long-Run and Short-Run Association between Select Emerging and Developed Stock Markets*” and “*Long-Run and Short-Run Dynamics of Select Macroeconomic Factors with Stock Market Return in India*” with his research scholars in a one-day National Seminar on “Emerging Issue in Accounting, Finance and Management”, organised jointly by the St’ Xavier’s University, Kolkata and Indian Accounting Association, Kolkata Branch (AOP) held on July 26, 2025.

“*Causal Relationship of the Indian Stock Market with select Asian and the US Stock Markets*”; ‘*Association of Select Macroeconomic Variables with Nifty-50 Returns*’ and ‘*Profitability Analysis of Selected BSE-Listed FMCG Companies in India*’ with his research scholars, in a one-day National Seminar on “Navigating the New Age of Commerce and Finance”, jointly organised by the Department of Commerce PG & UG (Afternoon & Evening), The Bhawanipur Education Society College & South Kolkata Association for Commerce Researchers and Academicians held on August 02, 2025.

**Prof. Tarun Kumar Mondal** presented a paper titled “*Analysis of Strategies for Women Entrepreneurship Development in Floriculture in Purba Medinipur District in West Bengal, India Using an Integrated SWOT-AHP, SWOT-Fuzzy AHP and Fuzzy TOPSIS Method*” in international conference on: “Integrating Urban, Rural and Tribal Development for Achieving Sustainable Development Goals: Vision for Viksit Bharat@2047”,

organised by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi, during 9–11 October 2025.

**Prof. Abhay Sankar Sahu** presented a paper titled “*Significance of Urban Forestry in Sustainable Urban Management: A Case Study at Kalyani Municipal Area, West Bengal*” in 9th NAGI International Conference, Dept. of Geography, Ranchi University (with NAGI), during 7–9 October 2025.

**Prof. Prasenjit Sarkhel** presented a paper titled “*Clean fuel use, Political representation and Forest cover: Evidence from Rural India*” at Intl. Conf. on Development and Environmental Economics: SANDEE@25, ICIMOD & SANDEE, on 14 December 2025.

**Dr. Sahina Khatun**, assistant professor, department of Geography presented a paper titled “*Status of education and work participation among scheduled caste women in North Twenty Four Parganas District of West Bengal, India*” in the seminar Dooars and Beyond: Indigenous Knowledge, Language, and Cultural Resilience, organised by Centre for Dooars Studies, Alipurduar Mahila Mahavidyalaya, on 9 August 2025.

## Faculty News

### Community Outreach and Extension Activities

A series of extensive outreach and extension activities were conducted as part of the ICSSR-funded project, titled “Stakeholders’ perception and socio-economic outcomes: Exploring the impact of an innovative screening technique of gynaecological cancers and strategic plans for implementation,” by Dr. Arunima Biswas, Assistant Professor, Department of Zoology along with the ICSSR project team. They conducted awareness programmes on cervical cancer and ovarian cancer at Sunderban Mahavidyalaya on 08 September 2025, where Dr. Biswas served as the presenter and interacted with college students and teachers. Similar awareness sessions were also held at Bamunpukur Humayun Kabir Mahavidyalaya on 13 December 2025 in the morning, and at Namkhana Gram Panchayet, Sunderbans, on the same day in the afternoon, where the team interacted with students, teachers, ASHA workers, and other health workers across different levels. These outreach activities formed an important part of the project’s broader effort to promote awareness, public engagement, and effective implementation of innovative screening strategies for gynaecological cancers.



As part of community outreach and extension activities, two important study dissemination programmes on occupational safety and health were conducted under the leadership of Dr. Subhashis Sahu, professor, Department of Physiology. The first programme, focusing on the occupational safety and health of weavers, was held on 22 August 2025. The second dissemination programme, held on 7 September 2025, addressed occupational safety and health issues among waste segregators in Dhapa, highlighting the risks and challenges faced by this vulnerable workforce.

Another significant community outreach and extension initiative was organized by the DBT-funded Bioinformatics Infrastructure Facility in the form of a National Workshop on “AI-Driven Biology through Application of Python Programming”, held from 18 to 21 August 2025 under the leadership of the coordinator, Prof. Angshuman Bagchi. The workshop brought together 57 participants and served as an important platform for capacity building, skill enhancement, and academic engagement in the emerging interface of artificial intelligence and biology.

### Sponsored Research Projects

**Prof. Archita Ghosh** of the department of Economics is leading a ICSSR, New Delhi funded project entitled “Stakeholders’ Perception and Socio-Economic Outcomes: Exploring the Impact of an Innovative Screening Technique for Gynaecological Cancers and Strategic Plans for Implementation” (Total grant ₹1,00,00,000, for 3 years).

**Dr. Abhik Bagdi** of the department of Chemistry is leading a WBDSTBT, Govt. of West Bengal funded project entitled “Synthesis of Napabucasin Derivatives and Other Novel Heterocycles through Oxidative Cyclization”. (Total grant ₹4.35 lakh, for 3 years).

**Prof. Subhashis Sahu** is leading a project funded by the ICMR, Govt of India, entitled “Occupational Stress, Respiratory Health and Inflammatory Responses among Some Informal Sectors in India.” (Total grant ₹62.2 lakh, for 3 years).

**Prof. Jayanta Kumar Biswas** is leading a Technology Demonstration Project funded by the National Fisheries Development Board titled “Developing Nature Based Solution for Sustainable Integrated Aquafarming for Circular Bio-economy” (Sanctioned grant: Rs. 32.595 lakh) (Total grant ₹32.5 lakh, for 2 years).

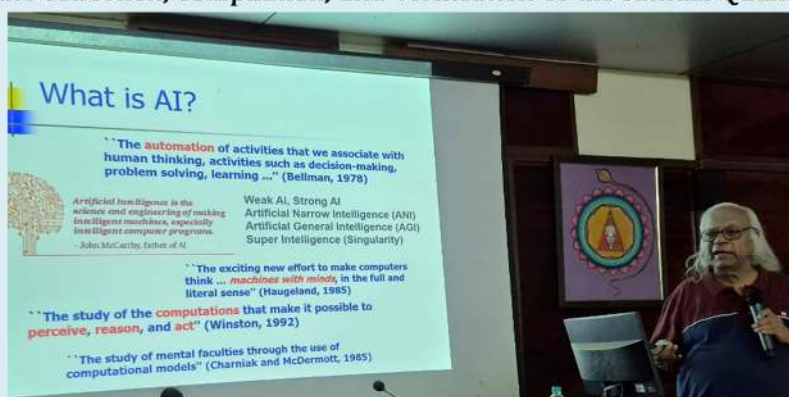
**Dr. Arunima Biswas** is leading a project funded by the ANRF, Govt of India, entitled “Repurposing Phosphodiesterase Inhibitors in Breast Cancer” (Total grant ₹29.8 lakh, for 3 years).

She is also leading another UGC-DAE-CRS funded project entitled “Repurposing PDE5-inhibitor encapsulated nanoparticles for the treatment of cervical cancer”, (Total grant ₹10 lakh, for 3 years).

## Beyond Compliance: How IQAC Is Shaping the Future of KU

The Internal Quality Assurance Cell (IQAC) at Kalyani University is a key institutional body dedicated to fostering continuous improvement in academic and administrative processes. Its core mandate is to ensure the systematic enhancement of teaching, learning, and research quality through regular monitoring, feedback collection, and best practice dissemination. IQAC coordinates the preparation of Annual Quality Assurance Reports (AQAR), organizes faculty development programs, and promotes adoption of new pedagogies—including ICT-enabled learning environments. It facilitates stakeholder feedback, implements comprehensive audit systems, and works closely with university departments to refine curricula and intensify research focus. Through workshops, training sessions, and quality circles, IQAC contributes to the overall institutional development while aligning with national accreditation standards and higher education benchmarks.

During the 2<sup>nd</sup> half of 2025, the IQAC successfully executed several key activities to enhance academic and administrative standards. This included the scrutiny and processing of 9 Career Advancement Scheme (CAS) applications. The IQAC coordinated the processing of applications for the Prime Minister Professorship. Out of thirteen (13) applications received, five (5) applications were recommended for forwarding after due scrutiny and deliberation in the internal IQAC meeting. The IQAC coordinated the collection and analysis of feedback from teachers, employers, and students, including the Student Satisfaction Survey (SSS), through structured online mechanisms for quality enhancement and institutional improvement. The IQAC prepared and finalized the Annual Report of the University for the financial year 2024–2025. 5. The IQAC coordinated the collection, compilation, and verification of the Annual Quality Assurance Reports (AQARs) for the academic year 2024–2025 from academic departments, centres, and administrative units of the University. Except a very few, the AQAR reports have been received from most of the departments. The IQAC, in collaboration with the Department of Computer Science and Engineering, organized an academic seminar on the occasion of Engineers' Day on 15th September 2025, delivered by Prof. Lalit Mohan Patnaik, Former Professor, IISc Bengaluru, on "Joys and Challenges of Living in an AI Era."



2025

## Coming Home: KUAA Opens Its Doors to Every Kalyanian

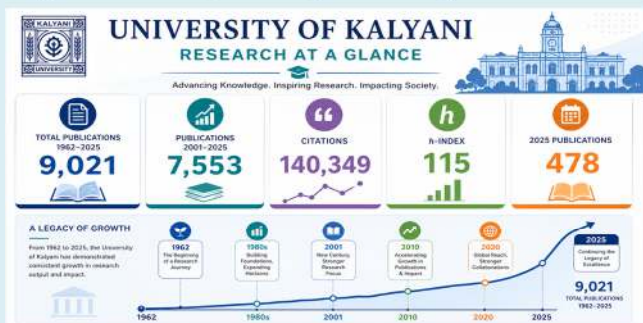


The Kalyani University Alumni Association (KUAA) marks a landmark moment in the University's history with its formal inauguration on 7th May 2025, chaired by Prof. Kallol Paul, Hon'ble Vice-Chancellor of the University of Kalyani. Registered under the West Bengal Societies Registration Act, 1961 (Reg. No. S0057775), KUAA stands as a credible, legally recognized body dedicated to fostering lifelong bonds between the University and its alumni. With its official

website — [kuaa.in](http://kuaa.in) — launched on 26th November 2025 at Vidyasagar Sabhaghar and already drawing over 10,138 visitors, the Association offers a vibrant platform for alumni registration, networking, mentoring, and collaboration. Guided by the spirit of "Once a Kalyanian, Always a Kalyanian," KUAA invites every alumnus to reconnect, rejoice, and reignite their bond with their alma mater — because the Kalyani family never truly parts ways.

## R & D Highlights: The Numbers Behind a Research Powerhouse

When the University of Kalyani was established, it set out with a clear ambition — to advance knowledge, inspire research, and impact society. More than six decades later, the numbers tell a story of remarkable



and sustained achievement that places the University firmly on the global academic map.

Since its first indexed publication in 1962, the University has amassed an impressive **9,021 Scopus-indexed publications** — a cumulative record of intellectual endeavour spanning generations of faculty, researchers, and scholars. What is particularly striking is not just the volume,

but the velocity: research output has surged dramatically since 2000, with the University now consistently producing **450-500 publications annually**. The year 2023 marked the highest single-year output, with **494 publications** — a testament to the institution's ever-accelerating research momentum. The impact of this body of work is equally compelling. Between 2001 and 2025 alone, the University's 7,553 publications attracted a staggering **140,349 citations**, earning an **h-index of 115** — a globally recognised measure of both scholarly productivity and sustained influence. These figures are not



merely statistics; they represent ideas that have been read, referenced, and built upon by researchers across the world. The University's research landscape is refreshingly diverse. Chemistry leads at 11.5%, followed by Biochemistry (9.9%), Agricultural and Biological Sciences (9.8%), Engineering (8.4%), and Mathematics (7.9%), with Computer Science, Materials Science, Physics and Astronomy, Environmental Science, and Social Sciences further enriching a truly multidisciplinary

portfolio. In terms of output, original research articles dominate at 65.1%, affirming the University's commitment to generating new knowledge, complemented by book chapters (16.7%), review articles (8.2%), and conference papers (5%).

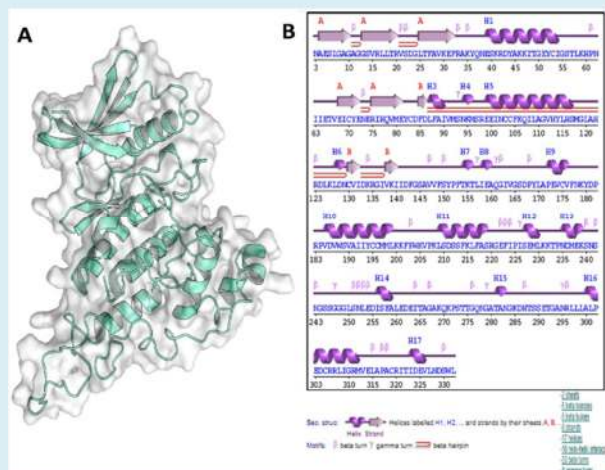
Underpinning this research engine is a **diversified funding ecosystem** drawing support from DST, UGC, SERB, CSIR, and a range of international agencies including ISRO, DRDO, and UNESCO — reflecting strong institutional credibility at every level. This is further reinforced by an active **global research network**, with strategic collaborations with Jadavpur University, the University of Calcutta, King Saud University, and the Academy of Scientific and Innovative Research (AcSIR), enabling joint publications, knowledge exchange, and access to world-class infrastructure.



Looking ahead, the University of Kalyani remains firmly committed to deepening its research ecosystem — through innovation, expanded international partnerships, and infrastructure development. With each paper published, each citation earned, and each collaboration forged, the University continues to write its most consequential chapter yet: one of excellence, impact, and an enduring contribution to human knowledge.

## R&D Success Stories

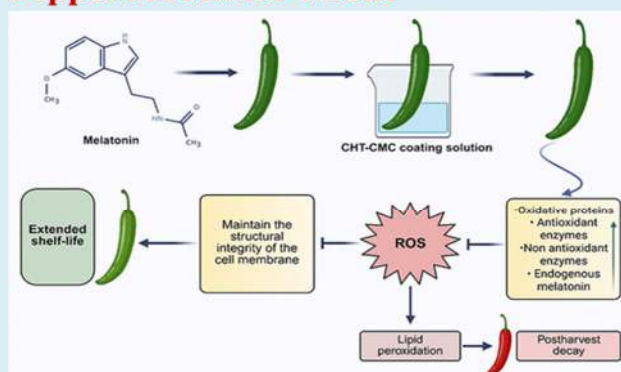
### Repurposing an Asthma Drug to Fight a Deadly Fungal Threat: A Computational Success Story



A recent in-silico drug repositioning study has identified Indacaterol, a clinically approved asthma medication, as a promising candidate against *Candida albicans* Npr1 kinase. This kinase is an essential fungal enzyme involved in ion homeostasis, nutrient transport, and regulation of the ammonium transporter Mep2, making it an attractive target for antifungal intervention. Using an integrated computational workflow that included homology modeling, virtual screening, molecular docking, and molecular dynamics simulation, *Dr. Tanima Saha and her research group* in the Department of Molecular Biology and Biotechnology, in collaboration with *Dr. Arunima Biswas from the Department of Zoology* and colleagues,

evaluated 15 shortlisted compounds to identify the most promising inhibitor. Indacaterol emerged as the top hit, showing a strong binding affinity of  $-9.3$  kcal/mol, a favorable safety profile, and a key interaction with the kinase DFG motif, which is important for catalytic regulation. The docked protein–ligand complex was then tested through simulation to assess stability. The results were encouraging: RMSD and RMSF values remained within acceptable limits, the radius of gyration changed very little, and about two hydrogen bonds were maintained throughout the simulation. Principal Component Analysis further supported the stability of the bound complex. Together, these findings suggest that Indacaterol could serve as a viable anti-candida lead compound and highlight drug repositioning as a fast and cost-effective approach for antifungal discovery, especially at a time when antifungal resistance is becoming an increasing global concern. The work was published in *Scientific Reports*, (2025, Vol 15, Article number: 23626).

### Nature's Preservation Trick: How Melatonin and a Plant-Based Coating Keep Peppers Fresh for Weeks

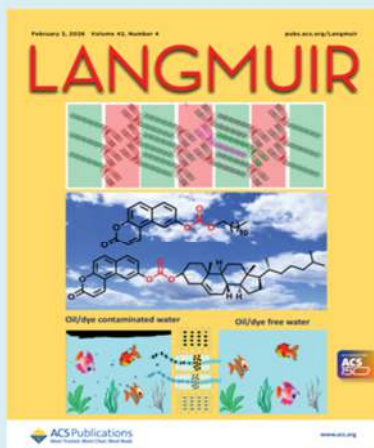


Prof. Malay Kumar Adak and his research group discovered that coating pepper fruits with a biodegradable blend of chitosan and carboxymethyl cellulose (CHT-CMC) infused with melatonin (MT), a powerful natural antioxidant, can dramatically extend shelf life while maintaining fruit quality during postharvest storage. In a comprehensive study, melatonin at an optimal concentration of  $100 \mu\text{M}$  combined with a 1:2 CHT-CMC coating preserved peppers for seven days with remarkable results: fruit firmness was retained by 34%, respiratory  $\text{CO}_2$  loss

was reduced by 45%, titrable acidity was preserved at 48%, and fruit decay was prevented in 75% of cases compared to untreated controls. The mechanism behind this success lies in melatonin's ability to minimize cell wall degradation—gene expression analysis showed a 51% downregulation of endoglucanase and striking 92% reduction in polygalacturonase activity, directly correlating with reduced membrane lipid peroxidation. At the molecular level, melatonin restored fruit tissue viability by regulating reactive oxygen species (ROS) and preventing DNA loss, while sustaining the fruit's green color through enhanced photochemical activity and optimized sugar–acid conversion. The coating formulation also triggered significant upregulation of antioxidative enzymes and improved the critical ascorbate-to-glutathione redox balance, essential markers of fruit health. Together, these findings establish the MT–CHT–CMC biocoating as an efficient, biocompatible preservation system with substantial commercial potential for extending pepper shelf life while maintaining nutritional quality—representing a sustainable alternative to synthetic postharvest treatments. The work was published in *ACS Agric. Sci. Technol.* (2025, Vol 5, page: 2412).

## R&D Success Stories

### Benzocoumarin-Based Smart Gelators for Sensing and Environmental Cleanup



*Prof. Kumaresh Ghosh and his research group* in the Department of Chemistry have reported the design, synthesis, and characterisation of two new benzocoumarin-based supramolecular gelators, constructed by appending lauryl and cholesterol carbonate units to a benzocoumarin core. The work establishes substituent-bearing benzocoumarins as versatile, multifunctional gelators with promising utility in chemical sensing and environmental remediation. Both compounds form stable gels across a broad range of media, including DMF–H<sub>2</sub>O (2:1, v/v), DMSO–H<sub>2</sub>O (2:1, v/v), hexane, and common fuel oils such as petrol, kerosene, and diesel. The rheological measurements confirmed robust viscoelastic networks: in every case the storage modulus ( $G'$ ) exceeded the loss modulus ( $G''$ ) by a significant margin. The lauryl-linked derivative exhibited a higher crossover point than its cholesterol carbonate analogue, indicating superior gelation efficiency in the DMF–H<sub>2</sub>O and DMSO–H<sub>2</sub>O systems. FESEM imaging revealed fibrous morphologies with distinct packing arrangements, offering structural insight into the assembly process. Beyond their mechanical stability, the gels display striking functional responsiveness. In DMF–H<sub>2</sub>O, both gelators selectively recognise CN<sup>-</sup> over a wide range of competing anions through a clear gel-to-gel colour change, enabling visual sensing. Their phase-selective gelation behaviour in fuel–water mixtures translates directly into efficient oil-spill recovery, and the lauryl-linked gelator additionally removes cationic dye from contaminated water. Taken together, the study introduces a single supramolecular platform that integrates selective anion recognition with practical environmental functions, opening new directions for benzocoumarin-based smart soft materials in chemical sensing, water purification, and oil-spill management. The work was published in *Langmuir* (2026, Vol 42, 3164–3175) and was selected as the cover article of the issue.

### Finding the Perfect Hub: How Indian Cities Are Reshaping Location Science



For years, location science researchers faced a frustrating gap: robust, large-scale benchmark datasets for the hierarchical hub location problem simply didn't exist, leaving them navigating complex optimization challenges without reliable tools for validation. *Prof. Anirban Mukhopadhyay and his group* in Department of Computer Science and Engineering have changed the game by introducing an innovative methodology that constructs large-scale, realistic geospatial datasets specifically designed for the single-

allocation hierarchical hub median problem. Using actual building-level geographic data from OpenStreetMap and QGIS, they've created ready-to-use benchmark datasets based on India's two most populous metropolitan cities—Kolkata and Mumbai—bringing real-world urban complexity into academic research. What makes this work truly groundbreaking is that all datasets have been solved using IBM ILOG CPLEX to provide exact solutions, ensuring robust empirical validation and reproducibility. These datasets are fully scalable and adaptable to various hierarchical hub location problem formulations and urban planning scenarios, from optimizing distribution centre placement to designing emergency response networks. By making these resources publicly available, this research fills a significant gap and lays a powerful foundation for the next generation of algorithmic innovations in location science, supply chain optimization, and smart city planning—giving operations researchers and urban planners the compass they've been waiting for. The future of hub location optimization just got real. The work was published in *Scientific Reports*, (2025, Vol 15, Article number: 36149).

## Kalyani University Institution's Innovation Council (IIC) : Where Ideas Take Flight

The Kalyani University Incubation Centre (KU-IC) operating under the aegis of the Kalyani University Institution's Innovation Council (IIC) is rapidly evolving from a visionary initiative into a vibrant reality. Marking a significant milestone on World Entrepreneurship Day (21 August 2025), the Registrar of Kalyani University formally signed the incubatee induction agreement with **M/s Suvecha International Private Transport Ltd.**, a Durgapur-based startup specializing in innovative rural transport solutions. On this historic occasion, KU-IC proudly welcomed its first incubatee in the presence of 61 students and research scholars, along with 18 faculty members, who witnessed the landmark



event. The Centre's growing global footprint was further underscored when Ms. Karolina Tomczyk, Senior Specialist from the University of Lodz, Poland, visited under the ERASMUS Plus exchange programme and praised KU's forward-thinking IPR and incubation policies. Meanwhile, the Centre's Food Testing & GI Certification Lab successfully completed its pioneering six-month Internship Programme, where 11 postgraduate interns in Food & Nutrition, Microbiology, and Botany completed a rigorous 335-contact-hour curriculum covering FSSAI regulations, NABL-accredited protocols, and hands-on

product development using botanical resources from the University's very own Biodiversity Conservation Park. With dedicated lab spaces, co-working benches, mentorship support, and a robust IPR framework, KU-IC is firmly on course to become the region's premier launchpad for next-generation entrepreneurs!

## From Ideas to Impact: IPR Cell Ignites the Entrepreneurial Spark!



On World Entrepreneurship Day, 21st August 2025, the KU-IPR Cell, supported by the Department of Science & Technology and Biotechnology, Government of West Bengal, hosted a landmark twin event — an IPR Workshop and an IDEA Clinic — drawing an impressive 153 registered participants for the workshop and 20 innovators for the clinic. Distinguished speakers set the stage ablaze: Dr. Mahuya Hom Choudhury of WBSCST drew inspiration from pioneering Bengali entrepreneurial legends like Radhika Nath Saha and Acharya

Prafulla Chandra to motivate the next generation of patent-holders, while Dr. Subhalakshmi Ghosh, founder of Subhami Biopharma, delivered a stirring call to action for aspiring entrepreneurs. The highlight of the day was the IDEA Clinic — a buzzing exhibition-cum-competition where food technology interns showcased their innovative botanical-based products alongside research scholars from the Departments of Microbiology, Molecular Biology & Biotechnology, and Botany, with each idea evaluated by expert judges for novelty, patentability, and commercial potential. The message from KU's IPR Cell was loud and clear: every great idea deserves its moment — and its patent!



## Rooted in Action: DESKU EIACP Takes Environmental Awareness from Campus to Community

From planting saplings to spreading eco-conscious messages at schools, festivals, and pilgrimage sites, the DESKU Environmental Information, Awareness, Capacity Building and Livelihood Programme (EIACP) PC-RP on Environmental Biotechnology, University of Kalyani, conducted an intensive six-month outreach campaign from July to December 2025. Supported by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India, and coordinated by Prof. Kausik Mondal, the Centre organized 15 programmes across West Bengal and Odisha, reaching more than 8,00,000 people.

### Plantation and Greening Initiatives

The outreach drive began with a multi-day Tree Plantation Drive under Aranya Saptaha / Van Mahotsav and the national campaign “Ek Ped Maa Ke Naam”. Inaugurated on 15 July 2025 near the S.N. Bose Innovation Building, University of Kalyani, the drive continued across Kalyani city and led to the planting of 140 saplings through active community participation. A plantation programme was also conducted at Nurupur



Upper Primary School, Jajpur, Odisha, alongside a Mission LiFE awareness event, where 10 saplings were planted on the school campus. Later, Nasra High School, Ranaghat, hosted two more plantation drives under Ek Ped Maa Ke Naam on 17 and 19 December 2025, during which students planted 5 and 10 saplings respectively.

### Awareness on Mission LiFE



Mission LiFE formed the core theme of several outreach programmes. In August 2025, DESKU EIACP organized an awareness



programme at Nurupur Upper Primary School, Jajpur, Odisha, in collaboration with Manjulata and Niranjana Trust, engaging around 180 students, teachers, guardians, and committee members in discussions on sustainable lifestyle practices. The Mission LiFE message was further taken to public festival spaces during Durga Puja and Kali Puja. An awareness programme, along with drawing and quiz competitions under the Seva Parv campaign, was organized at Belgharia Puja Pandal Club, Kolkata. Similar outreach was conducted across Durga Puja pandals in Kalyani, reaching about 750 people, and later across Kali Puja pandals in Kalyani on 22 October 2025, reaching approximately 5,000 people. The largest campaign of the period took place during Rasa

Purnima, when DESKU EIACP carried out a two-day large-scale Mission LiFE awareness drive across temples in Nadia, Burdwan, Hooghly, Bankura, and East and West Medinipur. The campaign reached an estimated 8,00,000 pilgrims and devotees, making it the most extensive programme of the reporting period. Bilingual leaflets and pamphlets in Bengali and English helped improve accessibility and public engagement.



### Capacity Building and School Outreach: DESKU EIACP

On 30 August 2025, a village-level capacity building programme was held at Sarati Primary School, Nadia, focusing on training women to prepare incense sticks from low-cost local materials. This initiative linked environmental awareness with livelihood generation and grassroots empowerment.

School-based awareness programmes formed another major component of the outreach strategy. DESKU EIACP



observed World Ozone Day 2025 at Pannalal Institute, Kalyani, with more than 300 participants. Dr. Laishram Pradeep Kumar Singh of the Department of Zoology, University of Kalyani, delivered an



informative session on the ozone layer, its depletion, and global efforts to control ozone-depleting substances.

In December 2025, the Centre organized a series of student-focused awareness programmes in Ranaghat. At Nasra School, activities marked National Pollution Control Day through the display of the poster Sustainable Living for a Greener Future. National Energy Conservation Day was also observed at Nasra School, encouraging students to adopt energy-saving habits in daily life.



DESKU EIACP also organized an awareness programme on Air Pollution at Lalgopal High School, Ranaghat, West Bengal on 20th December 2025. An awareness poster titled "Fight Against Air Pollution" was

prominently displayed for the students. Resource persons explained the concept of air pollution in a simple and interactive



manner, highlighting its major causes, preventive



measures, and associated health concerns. The programme effectively sensitized students about the importance of clean air and eco-friendly practices in daily life, with students actively and enthusiastically participating throughout.

Through bilingual outreach, festival-based engagement, and community-driven participation, DESKU EIACP has powerfully bridged the gap between academic expertise and grassroots environmental action — inspiring a greener, more sustainable Bengal.

### Consultancy Services

**Dr. Subhashis Sahu**, Professor, Department of Physiology conducted an Industrial Consultancy Project on Ergonomics Assessment in ITC Ltd. Probable ergonomic risk factors were assessed and interventions were suggested. The duration of the consultancy was for one month.



## Smart Shelves, Global Reach: Central Library Redefines Research Support

The Central Library, University of Kalyani, continues to strengthen its role as a modern hub for knowledge and research through innovative services, digital initiatives, and enhanced research support. With library automation and RFID-enabled services, it provides efficient access to books, journals, databases, theses, dissertations, and other scholarly resources. In addition, the Library facilitates access to a wide range of high-quality e-resources through the One Nation One Subscription (ONOS) initiative, thereby significantly expanding access to scholarly literature for students, researchers, and faculty across disciplines.

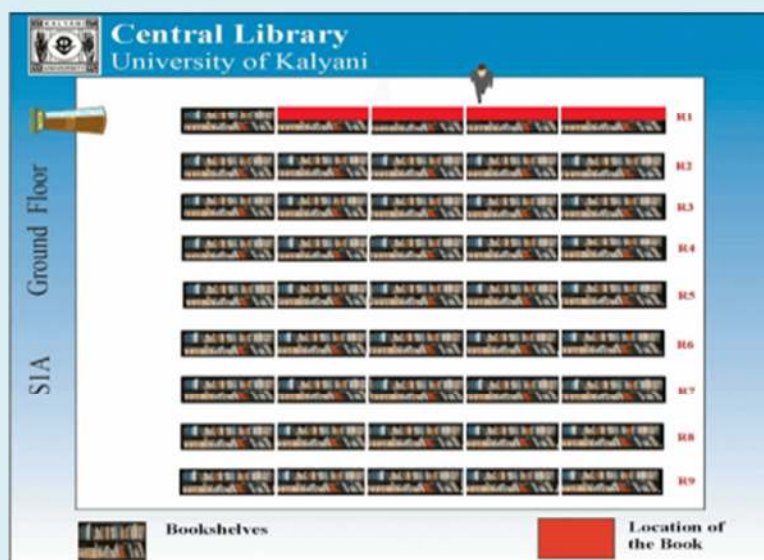


### Library Resources and Collections (as of December 2025)

- **Books:** 1,64,330 volumes
- **Bound Periodicals:** 10,420 volumes
- **Theses & Dissertations:** 4,277
  - Available in Shodhganga: 3,560
- **E-Books:** Wiley e-Books, Oxford e-Books
- **Electronic Journals:** Access through ONOS (One Nation One Subscription)
- **Subscribed Databases:**
  - Scopus
  - MathSciNet
  - ProwessIQ
  - Indiatat.com
  - EPWRF India Time Series

Total Investment in E-Resources and Databases (2025): Rs.42 Lakh

### Smart Library Navigation through Koha OPAC Stack maps



As part of its continuing efforts to improve user experience and library accessibility, the Central Library has initiated the development of Koha OPAC Stackmaps, an innovative GIS-based navigation system for library stacks. The proposed system is designed to help users locate books directly from the Online Public Access Catalogue (OPAC) by visually indicating the physical location of resources within the library stacks. Once implemented, it is expected to enhance resource discovery, save users' time, and make library navigation more intuitive and user-friendly. The work has already begun,

reflecting the Library's commitment to adopting innovative technologies for modern information services.

## Promoting Research Ethics and Open Access

The Library plays a significant role in promoting research integrity through similarity-checking services and the systematic submission of University theses to the Shodhganga Repository. By 2025, a total of 3,560 University theses had been uploaded to Shodhganga, greatly increasing the global visibility of the University's research output. The consistent use of DrillBit similarity-checking software throughout the year underscores the University's commitment to originality, ethical research practices, and quality assurance in scholarly communication.



**Shodhganga**: a reservoir of Indian theses @ INFLIBNET

The Shodhganga@INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access.

**Shodhganga**  
a reservoir of Indian theses

Shodhganga@INFLIBNET

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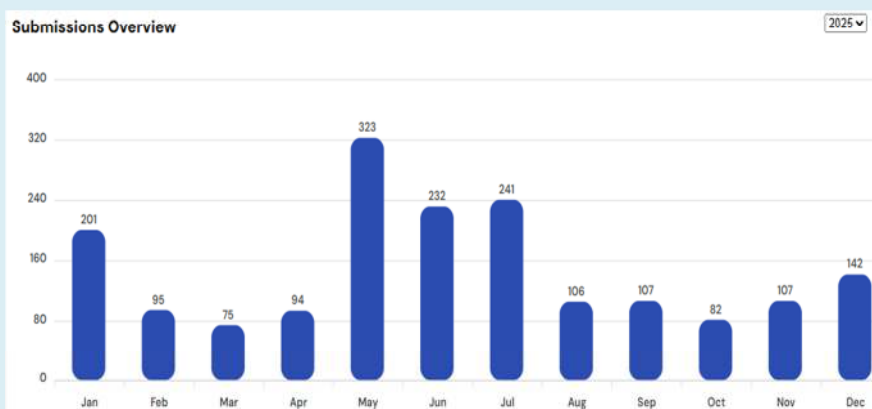
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Upload Date	Title	Researcher	Guide(s)
30-Apr-2025	Stability Analysis of Wave Solutions in Nonlinear Media	Ghosh, Niladri	Das, Anirban and Nath, Debraj
30-Apr-2025	Effect of Biphase 5 on the Normal Gut Microbiota of Human with Emphasis to Escherichia coli and Lactobacillus sp: An In-vitro and In-vivo Study in the Rat Model	Higginson, Dipankar	Paul, Gouram
30-Apr-2025	Singam Prakash ke katha sahitya mein gaurabh	Gupta, Abha	Kumar, Jyoti
30-Apr-2025	Design of Nanoscaled Multigate Field Effect Transistors FET and Its Circuit level Applications	Kundu, Shrabanti	Chanda, Jayanta Kumar
30-Apr-2025	Design and Implementation of efficient Quantum Key Distribution QKD Protocols	Das, Tanuj	Chanda, Jayanta Kumar

## Digital Ph.D. Pre-Submission Platform



To simplify research document management, the Central Library has developed an online Ph.D. Pre-Submission Platform, which has been incorporated into the Ph.D. Regulations, 2025. The platform enables scholars to upload registration documents, thesis abstracts, publications,

similarity certificates, and other required compliance documents through a single digital interface, thereby streamlining processing and facilitating future thesis submission to Shodhganga.

## Building National Collaborations

The Central Library has taken significant steps toward strengthening national-level academic collaborations. A proposed Memorandum of Understanding (MoU) with the National Library of India is expected to foster academic cooperation, professional training, internship opportunities, research support, and capacity-building initiatives in Library and Information Science. The Library has also initiated collaboration with the National Digital Library of India (NDLI), Indian Institute of Technology Kharagpur, to establish an Institutional Digital Repository (IDR). This initiative aims to ensure the long-term preservation, organization, visibility, and accessibility of the University's scholarly and intellectual outputs, thereby strengthening the institution's digital knowledge infrastructure and supporting open access to research.

## Professional and Community Engagement

The Central Library also continued its outreach activities through professional collaborations. In association with IASLIC, Kolkata, the Library hosted the 368th IASLIC Study Circle Meeting on the theme "*Information Communication on Health Awareness: Role of Street Libraries in Kolkata.*"

Collectively, these initiatives underscore the Central Library's commitment to innovation, digital transformation, research support, and academic excellence, reinforcing its role as a key contributor to the University's teaching, learning, and research ecosystem.

## Roots, Rhythms & Realities: The Centre for Culture Studies Celebrates Northeast India's Folk Traditions

The Centre for Culture Studies enriched its 2025 cultural calendar with two meaningful academic-cum-cultural programmes that celebrated the living heritage of folk traditions in Northeast India, KU. On 18 July 2025, it organised a Lecture Cum Demonstration in association with the department of Folklore on the Folk Performance of Assam as a national-level collaborative programme with Pub Kamrup College, Assam, and Kanyashree University, West Bengal. The event, attended by 275 participants, featured Dr. Barnali Deka of Pub Kamrup College as the main speaker, while the visiting cultural team presented traditional folk songs and dances that brought Assam's vibrant performing traditions to life.



Professor Sarit Kumar Choudhuri, Hon'ble Vice Chancellor of Alipurduar University, who delivered an insightful address on the region's diverse folk art forms and their deep connections with customs, beliefs, rituals, and creativity. His lecture highlighted how indigenous traditions, from the living heritage of Arunachal Pradesh to the ritual practices of the Wancho tribe's famed log drum, continue to shape everyday life even as modernity transforms the cultural landscape. Together, these programmes reflected the Centre's strong commitment to cultural dialogue, academic collaboration, and the preservation of intangible heritage.

Continuing this scholarly engagement, the Centre in collaboration with the department of Folklore commemorated World Folklore Day on 22 August 2025 with a distinguished lecture on "Folk Art of North East India: Identity, Continuity and Emerging Realities," held in blended mode and attended by 75 participants. The programme, organised in collaboration with Alipurduar University, featured



## Game On, Kalyani! — A Season of Sport, Science, and Spirit

The second half of 2025 proved to be a landmark period for the Department of Physical Education, University of Kalyani, as it delivered an action-packed calendar of events that brought together the thrill of competition, the depth of academic discourse, and the enduring spirit of sportsmanship.

### Bridging the Classroom and the Field: National Seminar



The season opened on a resounding intellectual note with a *National Seminar on "Traditional and Recent Trends in Physical Education and Sports Science: Bridging the Gaps"*, held on 27th–28th August 2025. Funded by the University of Kalyani, the two-day event drew over 250 participants from across the country, bringing together scholars, educators, athletes, and researchers on a single platform. The seminar was graced by an impressive array of distinguished guests. Prof. (Dr.) Kallol Paul, Hon'ble Vice Chancellor, K.U., Chief Guest Prof. Alope

Kumar Banerjee, Former Vice Chancellor, KU, lent the occasion both gravitas and inspiration. Guests of Honour Prof. Dhananjay Shaw (University of Delhi) and Prof. Brij Bhushan Singh (Aligarh Muslim University) brought rich national perspectives to the discussions, while Special Guests Prof. Rabindranath Dey (LNIPE, Gwalior) enriched deliberations with their deep domain expertise. Over two engaging days, the seminar sparked meaningful dialogue on how the rich heritage of traditional physical practices and the innovations of modern sports science can be harmonised to shape a more holistic and effective future for physical education in India — and in doing so, truly bridged the gap its title promised.

### The Arena Comes Alive: Inter-College Tournaments 2025-26

If the seminar fed the mind, the inter-college tournaments set the pulse racing. The Sports Division organised a series of fiercely competitive tournaments across multiple disciplines between July and September 2025, drawing hundreds of participants from colleges across the university's affiliated network.

The season opened with the *Inter-College Badminton Tournaments* — the Men's event on 29th July (19 teams, 45 players) was won



by K.N. College, Murshidabad, while the Women's tournament on 31st July (7 teams, 20 players) saw Dwijendralal College claim the title, with the Department of Physical Education team finishing as runners-up.

The *Cross-Country Race* on 8th September (9 teams, 21 participants) tested endurance and grit, with Srikrishna College, Bagula emerging victorious.

The traditional Indian sport of *Kho-Kho* generated tremendous enthusiasm — the Men's tournament on 5th August (11 teams, 132 players) and the Women's event on 7th August (13 teams, 146 players) both saw Srikrishna College, Bagula triumph, with Chakdaha College and the Department of Physical Education team finishing as runners-up respectively.

The season's grandest spectacle was the *Inter-College Football Tournament (Men)*, played across seven pulsating days from 6th to 12th August — 25 teams and 352 players made it the largest event of the semester, with Sripat Singh College, Murshidabad crowned champions and Nabadwip Vidyasagar College, Nadia as worthy runners-up.

In bringing together hundreds of young men and women in the spirit of fair play and healthy competition, the Department of Physical Education demonstrated once again that sport is not merely a co-curricular activity — it is an education in itself.



## Unlocking Futures: The Centre for NET/SET Coaching and Career Counselling (CNSCCC), University of Kalyani

For many aspiring teachers and researchers across West Bengal, the NET and SET examinations represent a gateway to their dreams — and the University of Kalyani has made it its mission to ensure that no deserving student is left without the guidance they need to walk through that gateway with confidence.

Established in early 2023 in response to a long-standing demand from students, the Centre for NET/SET Coaching and Career Counselling has swiftly grown into one of the most impactful academic support initiatives in the state's higher education landscape. Conceived and financially supported by the University, the Centre offers comprehensive coaching across the full spectrum of disciplines — Science, Social Sciences, Arts, Education, Management, and Engineering — welcoming students not just from Kalyani University, but from institutions across West Bengal and beyond.

Classes are held every Saturday and Sunday on the university campus, making quality coaching accessible without disrupting weekday academic commitments. The curriculum covers both the General Paper and a wide range of subject-specific papers, spanning disciplines as diverse as Bengali, Commerce, Chemical Sciences, Computer Science, Economics, Education, English, Environmental Sciences, Geography, History, Life Sciences, Mathematical Sciences, Mass Communication, Philosophy, Physical Education, Political Science, Sanskrit, Santali, Sociology, and many more — ensuring that virtually every postgraduate student finds a place within the programme.

What sets this Centre apart is not merely its academic breadth, but its deeply inclusive ethos. The enrollment fee is a modest ₹2,000 for general candidates and ₹1,500 for reserved category candidates,



with no monthly tuition fee whatsoever — a deliberate policy to ensure that students from rural, urban, and suburban backgrounds face no financial barrier to pursuing their aspirations. Special consideration is extended to students from SC/ST and minority communities, reflecting the University's commitment to equity alongside excellence.

The academic strength of the Centre lies in its faculty. Experienced teachers, research scholars from the University, alongside professors and experts drawn from other institutions, bring both rigour and real-world insight to the coaching sessions. The programme is coordinated by subject-specific coordinators under the overall chairmanship of Prof. Sujay Kumar Mandal, with the active support of Vice-Chancellor Prof. Kallol Paul and the university administration.

Beyond examination coaching, the Centre also provides career counselling and employment guidance, helping students gain clarity about their academic trajectories and professional futures — a dimension that distinguishes it from a conventional coaching centre and positions it as a true centre of holistic mentorship.

The initiative has drawn widespread recognition, earning coverage in prominent publications and acclaim from academicians who note its particular relevance in the context of the National Education Policy. In the words of Prof. Mandal, the Centre's efforts toward building teaching and research careers for the next generation will continue — steadily, purposefully, and without pause.



## Success Story of CNSCCC, University of Kalyani

The results speak for themselves. Across five sessions, the Centre has coached approximately 1,500 students, with around 250 already enrolled in the current session. Most significantly, over 150 students have successfully qualified in the NET and SET examinations — a growing testament to the programme's effectiveness.

### List of some Successful candidates who have qualified in the NET/SET examination from CNSCCC

 <b>Tamaya Rooj</b> Subject: History UGC NET December, 2025	 <b>Dipannita Chakdar</b> Subject: Library and Information Science UGC NET December, 2025	 <b>Mamti Mondal</b> Subject: Education WB SET December, 2025 UGC NET December, 2025	 <b>Sohini Sarkar</b> WB SET December, 2025	 <b>Anwesha Chakraborty</b> Subject: Home Science UGC NET June 2024	 <b>Sudip Karmakar</b> Subject: English UGC NET June 2024
 <b>Kausiek Banerjee</b> Subject: Management UGC NET June, 2025	 <b>Tirtharaj Dasgupta</b> Subject: Library and Information Science WB SET December, 2025 UGC NET December, 2025	 <b>Sourav Nath</b> Subject: English UGC NET December, 2025	 <b>Rohit Soren</b> Subject: Santali UGC NET December, 2025	 <b>Pratim Paul</b> Subject: Folklore UGC NET June, 2024	 <b>Ranit Das</b> Subject: Folklore UGC NET December, 2025 WB SET December, 2024
 <b>USHASI BHATTACHARYYA</b> Subject: English UGC NET June, 2025	 <b>NIPA BHAKTA</b> Subject: Bengali UGC NET December, 2025 WB SET December, 2025	 <b>SRABANI MONDAL</b> Subject: Mathematical Sciences WB SET December, 2025	 <b>Aman Paul</b> Subject: English UGC NET December, 2023	 <b>Ritka Sadhukhan</b> Subject: Education UGC NET December, 2024	 <b>Samsun Nahar</b> Subject: Mathematical Sciences WB SET December, 2025
 <b>Urbashi Lachit</b> Subject: Folklore UGC NET June 2025	 <b>Amrita Mishra</b> Subject: Folklore UGC NET June 2025	 <b>Aparna Nath</b> Subject: Philosophy UGC NET December, 2023 WB SET December, 2024	 <b>Anirban Sarkar</b> Subject: Management UGC NET June, 2025	 <b>Simanta Boxi</b> Subject: Education WB SET December, 2024	 <b>Soumit Kumar Pradhan</b> Subject: Education UGC NET December, 2023

At its heart, the Centre for NET/SET Coaching and Career Counselling is more than a coaching programme. It is the University of Kalyani's quiet but powerful promise to its students: that wherever you come from, and whatever your circumstances, this institution will stand beside you as you reach for your future.

## From Nakshi Kantha to Cleanliness: CWS Weaves a Stronger, Healthier Campus Community

The Centre for Women's Studies (CWS), a UGC-recognized academic unit, played a pivotal role in promoting gender equality and women's empowerment in line with India's commitment to the United Nations Sustainable Development Goals (SDGs).

### Three-Day Craft Demonstration cum Awareness Programme in association with Ministry of Textiles, Government of India

CWS in collaboration with the Office of the Development Commissioner (Handicrafts), Ministry of Textiles, Government of India, organized a successful Three-Day Craft Demonstration and Awareness Programme from 9 to 11 December 2025. The programme aimed to provide hands-on training in traditional handicrafts, promote self-employment and financial independence, and foster greater appreciation of India's rich craft heritage, with special emphasis on women's empowerment.

The inaugural session was graced by Prof. Kallol Paul, Vice Chancellor, Deans of all faculties, Mr. Dhrubajyoti Mondal, Handicrafts Promotion Officer, HSC, Burdwan, and Mr. Pijush Singha, Handicrafts Promotion Officer, HSC, Burdwan, Ministry of Textiles, Government of India. The programme saw enthusiastic participation from teachers, students, research scholars, and staff across the university.



Workshop sessions offered practical training in Nakshi Kantha embroidery, Shola craft, Batik work, and Dokra art under the guidance of skilled trainers Mumtaj Jahan, Dibyendu Ghosh, Mukul Karmakar, and Ruma Adhikari. Their expert instruction helped participants gain both technical skills and confidence. The concluding day featured a display and sale of handicraft items prepared by the participants, along with certificates of appreciation for outstanding work. Overall, the programme was a resounding success, encouraging creativity, self-reliance, and entrepreneurial spirit among members of the University of Kalyani community.

### Awareness Programme on Cleanliness, Hygiene and Sanitation and Exhibition 'DASHABHUJA' for Female Entrepreneurs

The Centre for Women's Studies organized a two-day Hygiene and Sanitation Awareness Programme on 15 and 16 September 2025 at the Vidyasagar Auditorium, University of Kalyani. The programme aimed to sensitize the university's cleaning staff, along with students, faculty, and other members of the community, on the importance of hygiene, sanitation, and health safety in daily life.



The event was graced by Vice-Chancellor Prof. Kallol Paul, Deans of all faculties, Dr. Gayatri Basu, Mr. Subimal Dutta, Mr. Subhajit Biswas, Mr. Samir Sarkar, and Mr. Lalan Chakraborty. Speakers covered key topics such as safe drinking water, handwashing, healthy food habits, disease prevention, and mental and social well-being, with special emphasis

on women's health and menstrual hygiene. Particular emphasis was placed on women's health and menstrual hygiene. An interactive question-and-answer session allowed participants to engage directly with the experts, making the programme both informative and participatory. A special attraction was the exhibition in the lobby of Vidyasagar Sabhagriha and APC Hall, which showcased products made by women entrepreneurs, including handcrafted items, jewellery, food products, clothing, and showpieces. Protective gear such as gloves, caps, aprons, and T-shirts was also distributed among the cleaning staff by the State Sanitation Cell and sanitary inspectors.



The programme marked an important milestone in the University of Kalyani's history as the first dedicated initiative to honour and sensitize its cleaning staff on health and workplace well-being.

## Serving Society, One Step at a Time: NSS Cell, KU

For over four decades, the NSS Cell of the University of Kalyani has been quietly but powerfully transforming lives — not through grand gestures, but through consistent, compassionate service to society. What began in the early 1980s as a modest initiative within the university campus has today grown into a vibrant network spanning affiliated colleges across the districts of Nadia, Murshidabad, and North 24 Parganas. Guided by the timeless motto "**Not Me, But You,**" the Cell's volunteers continue to be the university's most eloquent ambassadors — not in lecture halls, but in villages,



communities, and the lives they touch. The 2<sup>nd</sup> half of the year 2025 was a particularly active and inspiring one for the NSS Cell, marked by a rich calendar of events that spanned environmental action, health service, civic engagement, and youth empowerment. The activity opened on a green note with the **World Environment Day celebration** on 5th June 2025, where nearly 100 volunteers gathered for expert lectures on environmental awareness and a spirited sapling plantation drive. The momentum continued into July with a Van Mahotsav Plantation Programme on 22nd July 2025, reinforcing the Cell's commitment to a greener, healthier campus and community. August proved to be a month of both health and heart. On 17th August, in collaboration with Ramakrishna Mission, Kalyani, volunteers organized a **Blood Donation Camp** — a life-affirming act that exemplified selfless service at its finest. Just days later, on 29th August — National Sports Day — the NSS Cell joined hands with the Department of Physical Education to celebrate the spirit of sportsmanship and fitness among the student community.



In October, a **Pre-Republic Day (Pre-RD) Selection** was conducted, drawing 50 enthusiastic volunteers from 25 colleges — a testament to the Cell's wide network and organisational strength. A landmark moment came on 24th December 2025, when the NSS Cell hosted the District Level **Viksit Bharat Youth Parliament** for the very first time, bringing together 40 young voices from across affiliated

colleges to deliberate on the theme "*50 Years of Emergency: Lesson for Indian Democracy.*"

Rounding off the year with characteristic dedication, the NSS Special Camp was held from 25th to 31st December 2025 at Ghoshpara Saraswati Trust Estate Vidyapith, Kalyani. Over seven enriching days, 50 volunteers immersed themselves in cleanliness drives, community surveys, rural sports, and cultural programmes — a fitting finale to a year of purposeful service.

Through every initiative, the NSS volunteers of the University of Kalyani have proven that true education extends far beyond the classroom — it lives in every act of service, solidarity, and civic responsibility.



## Events



### 1<sup>st</sup> July 2025

University of Kalyani commemorated the 143<sup>rd</sup> birth anniversary of Dr. Bidhan Chandra Roy, former Chief Minister of West Bengal, renowned physician, and noted social reformer, with due solemnity and respect. The observance began with floral tributes at his portrait within the university campus. Hon'ble Vice-Chancellor Professor Kallol Pal, in his address, highlighted Dr. Roy's enduring legacy in medicine, public service, and visionary leadership, describing him as a true people's leader and an inspiration for nation-building. The programme was attended by faculty members, officials, staff, researchers, and students, reflecting collective respect for the life and contributions of Dr. Roy..

### 18<sup>th</sup> July 2025

A One Day International Skill Development Workshop-cum-Training on "Application of AI and ML in Ecological Modelling and Sustainability" was inaugurated by Hon'ble Vice-Chancellor Prof. Kallol Paul on 18 July 2025 at the University of Kalyani. The programme was organized by the Department of Environmental Science and witnessed the presence of distinguished guests, faculty members, researchers, students, and staff.



### 22<sup>nd</sup> July 2025

The Hon'ble Vice-Chancellor, Prof. Kallol Paul, inaugurated the Tree Plantation Programme titled "Van Mahotsav" on 22nd July 2025. The event was jointly organized by the NSS Cell and the Department of Physical Education, University of Kalyani.

### 15<sup>th</sup> August 2025

The 79th Independence Day of India was celebrated with dignity and reverence at the University of Kalyani campus. The programme began with the hoisting of the national flag by Hon'ble Vice-Chancellor Prof. Kallol Paul. In his address, the Vice-Chancellor paid tribute to the sacrifices and contributions of the freedom fighters and urged the younger generation to work with dedication, integrity, and patriotism for the progress of the nation. He also inspired the university's teachers, researchers, and students to contribute to society through learning and research. Professors, officers, staff members, researchers, and students attended the celebration. The national anthem, patriotic songs, recitations, and cultural performances added to the spirit of the occasion..



## Events

### 11<sup>th</sup> September 2025

The National Conference on Emerging Trends of Mathematical Analysis and Applications (NCETMAA 2025), organized by the Department of Mathematics, University of Kalyani, was inaugurated by the Hon'ble Vice-Chancellor, Prof. Kallol Paul. The event was graced by Prof. Jaydeb Sarkar, ISI Bangalore and Prof. Nandadulal Bairagi, Jadavpur University, in the presence of faculty members, researchers, students, and employees of the University. In his inaugural address, Prof. Paul welcomed the distinguished guests and expressed hope that NCETMAA 2025 would inspire participants to explore new directions in mathematical sciences and contribute meaningfully to academia, industry, and society. The conference featured insightful lectures from eminent speakers including Prof. Apoorva Khare, Prof. Mrinal Kanti Das, Prof. Santanu Saha Ray, Dr. Bhupendra Singh, and Prof. S. D. Adhikari.



### 16<sup>th</sup> September 2025

The Hon'ble Vice-Chancellor, Prof. Kallol Paul, inaugurated the One Day National Seminar on Modelling and Optimization of Complex and Intelligent Systems (MOCIS) at the University of Kalyani. The inaugural session was attended by several eminent dignitaries, faculty members, research scholars, students, and employees of the University. The seminar provided a meaningful platform for experts and participants to exchange ideas on the latest developments in intelligent systems and optimization.

### 16<sup>th</sup> September 2025

The University of Kalyani observed World Ozone Day through a One Day Seminar on the theme "From Science to Global Action," jointly organized by the Department of Environmental Science, the Department of Ecological Studies, and the Department of Geography, and inaugurated by the Hon'ble Vice-Chancellor, Prof. Kallol Paul. In his inaugural address, Prof. Paul called upon the academic community to promote meaningful research, awareness, and innovative action so that the observance of World Ozone Day becomes a catalyst for environmental responsibility rather than a symbolic event. University.



### 18<sup>th</sup> September 2025

The Hon'ble Vice-Chancellor, Prof. Kallol Paul, inaugurated Regional Investors Seminar for Awareness Programme organized by the Department of Business Administration, University of Kalyani, in collaboration with the BSE-Investors Protection Fund, a wing of the Bombay Stock Exchange. The seminar was graced by Mr. Abhijit Saha, Consultant, BSE-Investors Protection Fund, along with faculty members, research scholars, students, and employees of the University..



## Events

**11<sup>th</sup> November 2025**

The International Conference on “Molecules, Materials & Beyond (MMB-2025)” organized by the Department of Chemistry, University of Kalyani, was inaugurated by the Hon’ble Vice-Chancellor, Prof. Kallol Paul. The inaugural session was graced by eminent dignitaries including Prof. Kalobaran Maiti, Prof. Subhrangsu Mandal, Prof. S. P. Rath, Prof. Subhabrata Sen, Prof. Parthasarathi Das, Prof. Sanjit Konar, Prof. Nilashis Nandi, Prof. Manoranjan Jana, and Prof. Debansu Ray, while faculty members, research scholars, students, and employees of the University also attended the occasion.



**26<sup>th</sup> November 2025**



ভাষাচার্য সুনীতি কুমার চট্টোপাধ্যায়ের জন্মদিন উপলক্ষে, কল্যাণী বিশ্ববিদ্যালয়ের বাংলা বিভাগে “সুনীতি কুমার দ্বিতীয় স্মারক বক্তৃত্তা” অনুষ্ঠিত হয়। বেলা ১২টায় শুরু হওয়া এই আলোচনাসভার উদ্বোধন করেন মাননীয় উপাচার্য অধ্যাপক কল্লোল পাল মহাশয়, এবং এ বছরের বক্তৃত্তার বিষয় ছিল “বাঙালির ভাষা ও সংস্কৃতি”; বক্তা হিসেবে উপস্থিত ছিলেন বিশিষ্ট ভাষাবিজ্ঞানী অধ্যাপক অমিতাভ দাস, ইনস্টিটিউট অফ ল্যাংগুয়েজ স্টাডিজ অ্যান্ড রিসার্চ (ILSR)। অনুষ্ঠানে বাংলা বিভাগের শিক্ষক-শিক্ষিকা, গবেষক ও শিক্ষার্থীরা অংশগ্রহণ করেন, এবং উপাচার্য মহাশয় তাঁর বক্তব্যে ভাষা ও সংস্কৃতিচর্চা প্রতি ভালোবাসা, শিক্ষার্থীদের অনুপ্রেরণা এবং বিশ্ববিদ্যালয়ের সৃজনশীল উদ্যোগের গুরুত্ব তুলে ধরেন।

**26<sup>th</sup> November 2025**

The official website of the Kalyani University Alumni Association (KUAA) was formally launched in a dignified ceremony graced by the Hon’ble Vice-Chancellor, Prof. Kallol Paul, who inaugurated the platform. In his address, he appreciated the initiative as an important step toward strengthening the bond between the University and its alumni across the world, while also underscoring its role in fostering alumni engagement, collaboration, knowledge sharing, and institutional development. The event was attended by officers, faculty members, research scholars, and staff members of the University.



**27<sup>th</sup> November 2025**



The Department of Santali, University of Kalyani, organized a One Day National Seminar on “Challenges in Education and Literacy in the Santali Language”, bringing together eminent scholars, administrators, faculty members, researchers, and students to discuss key issues and future directions in Santali language education and literacy development in India. Held under the chief patronage of Professor Kallol Paul, Hon’ble Vice-Chancellor of the University, the seminar featured insightful addresses from Smt. Chandani Tudu, IAS, Senior Special Secretary, Higher Education Department, Govt. of West Bengal, along with Dr. Damayanti Beshra, Padma Shri awardee.

## Events

### 1<sup>st</sup> December 2025

The University of Kalyani successfully held its 31st Convocation, marked by the distinguished presence of Dr. C.V. Ananda Bose, Hon'ble Chancellor and Governor of West Bengal, who emphasized the vital role of young graduates in nation-building, innovation, responsible citizenship, and ethical leadership. The ceremony was further enriched by the inspiring convocation address of Prof. V. Ramgopal Rao, Hon'ble Vice-Chancellor of BITS Pilani, who encouraged the graduating students to pursue excellence and contribute meaningfully to society. The event was presided over by the Hon'ble Vice-Chancellor of the University, Professor Kallol Paul, who presented the Annual Report and, along with the Chancellor, conferred degrees, medals, and prizes upon the graduates while reaffirming the University's commitment to academic excellence, research advancement, and social development.



### 4<sup>th</sup> December 2025

The Two-Day National Level Workshop on Research Methodology, organized by the Journal of Education and Culture (ISSN 2229-4287), was inaugurated by the Hon'ble Vice-Chancellor, Prof. Kallol Paul, in the presence of eminent scholars and resource persons from across India. The inaugural ceremony was further enriched by the presence of distinguished academics including Prof. S. Mani, Prof. Jayanti Das, Prof. Mita Banerjee, Dr. Mukut Hazarika, and Prof. Partha Sarathi Mallik, whose contributions added scholarly depth to the programme.

### 16<sup>th</sup> December 2025

The Department of Mathematics, University of Kalyani, organized the Workshop on Advances in Mathematical Biology (WAMB-2025), which was formally inaugurated by the Hon'ble Vice-Chancellor, Prof. Kallol Paul. In his inaugural address, he explained the relevance of mathematical biology as the integration of mathematics with biological sciences and highlighted the deep presence of mathematics in everyday life, from QR codes to password systems. Prof. Joydev Chattopadhyay of the Indian Statistical Institute, Kolkata, also addressed the gathering, and the session was attended by faculty members, college teachers and researchers, making the event academically enriching and significant.





# University in Media



**বাংলা ভাষার গতিপ্রকৃতির দিশা দিতে শুরু কর্মশালা**

সময় বিশেষের সময়ে সবে বাংলা ভাষার পুঁথি হতেই অম্বোদ শব্দ। যেমন-মহা, বিকাশ, বাণেশ্বর, প্রকট, চন্দ্রা, চন্দ্রপতি, সুরুরি ইত্যাদি। এছাড়াও সবে কতটা মানসনই... 'আ-মর বাংলা ভাষা', তা আকারের সময়ে এসেছে বোধহয়। প্রতীকী বাংলায় প্রকাশ্যে ও বাস্তবের নিচে কল্যাণী বিশ্ববিদ্যালয়ের বাংলা বিভাগের উদ্যোগে শুরু হল পাঠ শিখার কর্মশালা।

সোমবার কর্মশালার উদ্বোধন করে উপাচার্য অধ্যাপক কয়েল পাল বলেন, "প্রত্যেকের পাঠের জন্যই আমাদের বাংলা ভাষা এর সন্ধান। বাংলা ভাষার কত রূপ, কত 'বৈচিত্র্য'। জীবনিক পবিত্র সন্ন্যাসের কথা, 'সীকি' হাড়া ও সাংবাদিকতা, বিজ্ঞান, অস্ট্রেলিয়ার ইত্যাদি ক্ষেত্রে বাংলা ভাষা প্রয়োগের সুযোগ রয়েছে। প্রত্যেকের ক্ষেত্রে 'হাট' বোনের জগতগাটা সেন বাংলা ভাষাতে না আসে সেক্ষেত্র বোলায় রাখতে হলে।" অধ্যাপক পালসকল পদের কথায় উঠে আসে ভাষার উপর সোমাল মিডিয়ায় প্রকাশের প্রসঙ্গ। তার কথায়, সোমাল মিডিয়ায় হার হতে নিচের মনের কথা অল্পটে তুলে ধরার ফলে ভাষা-সম্মতি মিশিয়ে ভাষার প্রয়োগের সঠিকই পৌঁছে যাচ্ছে মানুষের কাছে। কর্মশালা হচ্ছে ৪ জুলাই পর্যন্ত। উদ্বোধনী অনুষ্ঠানে উপস্থিত ছিলেন অধ্যাপক নন্দিনী বন্দ্যোপাধ্যায়, সুজন বিশ্বাস, সঞ্জিত মজল, শামসী বিশ্বাস সেনগুপ্ত, প্রবীর প্রামাণিক, পীতৃ শোমার প্রমুখ।



**কল্যাণীতে বাচ্ছে মালদার বীজ হিজল সংরক্ষণে একাধিক পরিকল্পনা**

কল্যাণী বিশ্ববিদ্যালয়ের বাংলা বিভাগের অধ্যাপক ড. সুনীতিকুমার স্বরণের নেতৃত্বে একটি কর্মসূচি শুরু হয়েছে। এই কর্মসূচির অধীনে মালদার বীজ সংরক্ষণের পাশাপাশি হিজল সংরক্ষণেরও পরিকল্পনা করা হয়েছে।

ড. স্বরণ বলেন, "মালদার বীজ সংরক্ষণের পাশাপাশি হিজল সংরক্ষণেরও পরিকল্পনা করা হয়েছে। হিজল সংরক্ষণের ক্ষেত্রে আমরা একটি কর্মসূচি শুরু করেছি। এই কর্মসূচির অধীনে মালদার বীজ সংরক্ষণের পাশাপাশি হিজল সংরক্ষণেরও পরিকল্পনা করা হয়েছে।"



**কল্যাণীতে সাংবাদিকতা কর্মশালার সমাপ্তি**

কল্যাণী বিশ্ববিদ্যালয়ে আয়োজিত সাংবাদিকতা কর্মশালা শেষ হল রবিবার। কর্মশালার উদ্বোধন করেন অধ্যাপক সুজন বিশ্বাস বন্দ্যোপাধ্যায়।

কর্মশালায় অংশগ্রহণ করেছিলেন বিভিন্ন সংস্থার সাংবাদিকরা। কর্মশালার সমাপ্তি উপলক্ষে একটি প্রদর্শনীও করা হয়েছে।

**কল্যাণী বিশ্ববিদ্যালয়ে সাংবাদিকতা কর্মশালা**

কল্যাণী বিশ্ববিদ্যালয়ে আয়োজিত সাংবাদিকতা কর্মশালা শেষ হল রবিবার। কর্মশালার উদ্বোধন করেন অধ্যাপক সুজন বিশ্বাস বন্দ্যোপাধ্যায়।

কর্মশালায় অংশগ্রহণ করেছিলেন বিভিন্ন সংস্থার সাংবাদিকরা। কর্মশালার সমাপ্তি উপলক্ষে একটি প্রদর্শনীও করা হয়েছে।

**নেট ও সেট পরীক্ষার প্রস্তুতির কোর্স শুরু কল্যাণী বিশ্ববিদ্যালয়ে**

পূর্বের কমন প্রতিবেদক, নদিয়া নেট ও সেট পরীক্ষার প্রস্তুতির জন্য কোর্স শুরু করেছে কল্যাণী বিশ্ববিদ্যালয়। আগামী ৬ জুলাই তারিখ থেকে শুরু হচ্ছে।

কোর্সের প্রধান অধ্যাপক ড. সুনীতিকুমার স্বরণ বলেন, "নেট ও সেট পরীক্ষার প্রস্তুতির জন্য কোর্স শুরু করেছে কল্যাণী বিশ্ববিদ্যালয়। আগামী ৬ জুলাই তারিখ থেকে শুরু হচ্ছে।"

**আগমনী উৎসব**

কল্যাণী বিশ্ববিদ্যালয়ে আগমনী উৎসবের আয়োজন করা হয়েছে। উৎসবের আয়োজনে অধ্যাপক সুজন বিশ্বাস বন্দ্যোপাধ্যায়ের নেতৃত্বে একটি কর্মসূচি শুরু হয়েছে।

উৎসবের আয়োজনে অধ্যাপক সুজন বিশ্বাস বন্দ্যোপাধ্যায়ের নেতৃত্বে একটি কর্মসূচি শুরু হয়েছে।

**আনন্দবাজার পত্রিকা**

আনন্দবাজার পত্রিকার একটি প্রবন্ধে কল্যাণী বিশ্ববিদ্যালয়ের সাংবাদিকতা কর্মশালার কথা উল্লেখ করা হয়েছে।

**সুনীতিকুমার স্বরণে**

সুনীতিকুমার স্বরণের একটি প্রবন্ধে কল্যাণী বিশ্ববিদ্যালয়ের সাংবাদিকতা কর্মশালার কথা উল্লেখ করা হয়েছে।

## The Sunday Statesman

**Folkloreday at Kalyani University celebrates north-east culture**

Statesman News Service Kishinouye, 23 August

Folklore is not just a relic of the past but a living testament to the imagination, identity, and resilience of communities across the world. On Friday, the department of folklore, University of Kalyani, marked World Folklore Day 2025 with a special lecture that turned the spotlight on the rich folk art traditions of northeast India and their evolving realities in the modern age.

The theme of the event, Folk Art of Northeast India: Identity, Continuity, and Emerging Realities, brought together eminent scholars and administrators. The chief speaker, professor Sarit Kumar Choudhury, vice-chancellor of Allpuri University, delivered a thought-provoking lecture on the diversity of folk art forms of the region. Tracing the intricate link between customs, beliefs, rituals, and creativity, he explored how traditions of tribal communities—from Assam to Arunachal Pradesh's living heritage to the ritual practices of the Wancho tribe's famed 'Log Drum'—continue to shape everyday life.

Professor Choudhury underscored that while modernity is altering the cultural landscape, the imagination of indigenous societies remains rooted in their rituals, legends, and symbolic practices. "The folk arts of northeast India are not mere decorative forms; they are repositories of collective memory and identity," he observed.

The programme, held in collaboration with the Centre for Cultural Studies, also marked a growing academic partnership between Allpuri University and the University of Kalyani. In his address, Professor Udaybhay Nath, dean of the faculty of arts and commerce, stressed the urgent need to reconnect young generations with folklore. "Preservation is not about archiving folklore in books but about keeping it alive in practice and transmission," he said.

Echoing similar concerns, professor Sreerakta Gou, dean of education, noted that the department of folklore at Kalyani has already established itself as a significant hub for global folklore studies. "Our goal is to present both Bengali and Indian folklore on the world stage," he remarked, highlighting the department's expanding academic influence.

The programme began with a welcome address by Professor Sway Ramer Mandal of the folklore department, who reflected on the historic significance of the day.

He recalled how English antiquarian William John Thomson's landmark 'Folklore' in 1846 in 'The Athenaeum' journal—an idea that has since grown into a globally recognised academic discipline.

**নতুন কোর্স কল্যাণী বিশ্ববিদ্যালয়ে**

এই সময় সনস্কৃতির চাকতির মাজার গ্রন্থ সঙ্কলিত হয়ে আসছে। গ্রন্থের সঙ্কলিত হয়ে আসছে। গ্রন্থের সঙ্কলিত হয়ে আসছে।

কল্যাণী বিশ্ববিদ্যালয়ে নতুন কোর্স শুরু হয়েছে। এই কোর্সের প্রধান অধ্যাপক ড. সুনীতিকুমার স্বরণের নেতৃত্বে একটি কর্মসূচি শুরু হয়েছে।

2025

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