

NISER NEWSLETTER

VIBES

JULY-DECEMBER 2025



VOL 07 ISSUE 02



Bi-Annual NISER Newsletter
www.niser.ac.in/about/newsletter

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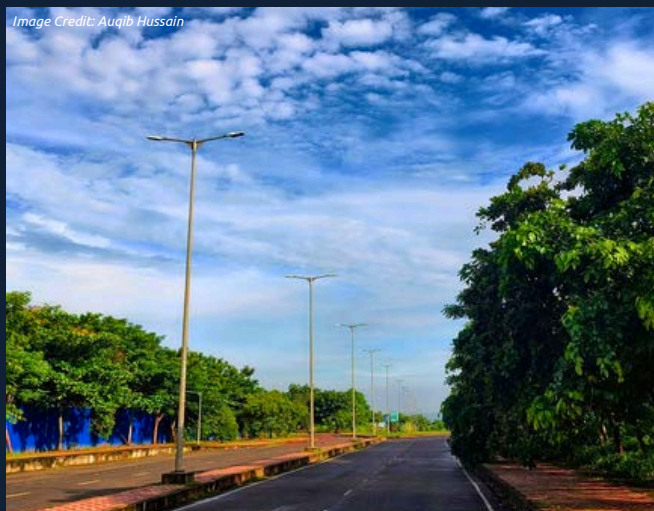


Image Credit: Auqib Hussain

Director's Message



Dear Friends and Well-Wishers of NISER,

This July–December 2025 edition of Vibes highlights the active academic, research, and cultural life at NISER Bhubaneswar.

Our academic calendar featured a wide range of theme meetings, workshops, schools, and international conferences across diverse scientific areas, reinforcing NISER as a vibrant hub for research exchange

and collaboration. All these activities strengthened national and international partnerships while offering valuable training and exposure to students and early-career researchers.

NISER's research ecosystem continued to grow with major milestones such as the initiation of the Medical Cyclotron and Nuclear Medicine Facility and the dedication of the NCARE, alongside impactful research published in leading journals.

The institute's faculty, students, alumni, and staff earned recognition through academic, sporting, and outreach achievements, while strong student participation and initiatives such as Open Day, Vigyan Pratibha, popular talks, and community programmes reflect NISER's sustained commitment to excellence in science, education, and public engagement.

I thank all members of the NISER community for their dedication, teamwork, and enthusiasm, and appreciate the efforts of everyone who contributed to documenting these activities in this newsletter. Let us continue to build on this momentum with curiosity, integrity, and a shared commitment to excellence in science and education.

Prof. Hirendra Nath Ghosh
Director, NISER

Academic Events Organized

Ion Beams for Material Innovation

NISER Bhubaneswar, organized a theme meeting on “**Ion Beams for Material Innovation**” on 10–11 July 2025 to mark the inauguration of its newly installed 400 kV ion accelerator at the Ion Beam Laboratory, School of Physical Sciences. The meeting brought together experts and researchers for focused discussions on the role of ion beam technologies in materials research and innovation, highlighting recent developments and fostering scientific exchange in this emerging area.



7th Quarterly Union for Academic Discourse (QUAD) 2025

The 7th Quarterly Union for Academic Discourse (QUAD) Bhubaneswar 2025, organized by the School of Biological Sciences, NISER Bhubaneswar, was centered on the theme “Integrative Biology and Translational Research: From Molecular Mechanisms to Therapeutic Strategies.”



2nd Teachers' Training Workshop

The 2nd Teachers' Training Workshop 2025 under the Vigyan Pratibha initiative, held from 1–4 September 2025, brought together 79 educators from KVs, JNVs, and AECS to strengthen teaching practices and academic engagement.



IIFC- ν P School

The **Indian-Institutions Fermilab Collaboration in Neutrino Physics (IIFC- ν P) School** was successfully held from 8–15 October 2025 at the National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha, with active participation from researchers and students.

The school was designed to train PhD students and early postdoctoral researchers in both theoretical and experimental neutrino physics through focused lectures and interactive sessions led by experts in the field from leading institutions.

Celebrating 100 Years of Quantum Mechanics: A Century of Discovery

A Century of Quantum: Tracing the Journey from Theory to Technology was organized by the School of Physical Sciences on the occasion of 100 years of quantum mechanics. The program featured invited talks along with interactive sessions with leading quantum experts. The event was convened by Prof. Tapan Mishra from the School of Physical Sciences.



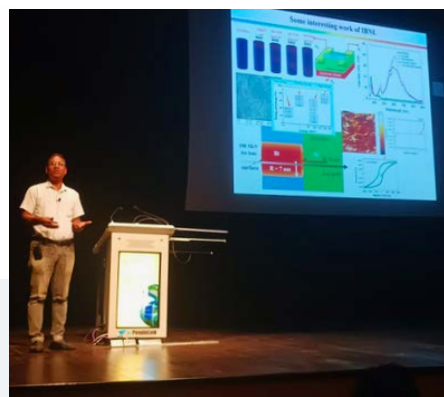
India-JINR Workshop 2025

A major platform for scientific dialogue was provided by the **India-JINR Workshop** on Particle, Nuclear, Neutrino Physics and Astrophysics, conducted at NISER, Bhubaneswar, during 10–12 November 2025, which emphasised strengthening collaboration between JINR (Dubna) & Indian institutions through discussions on key experimental facilities, emerging scientific developments, and sustained collaborative and academic exchange.



SPS Day 2025

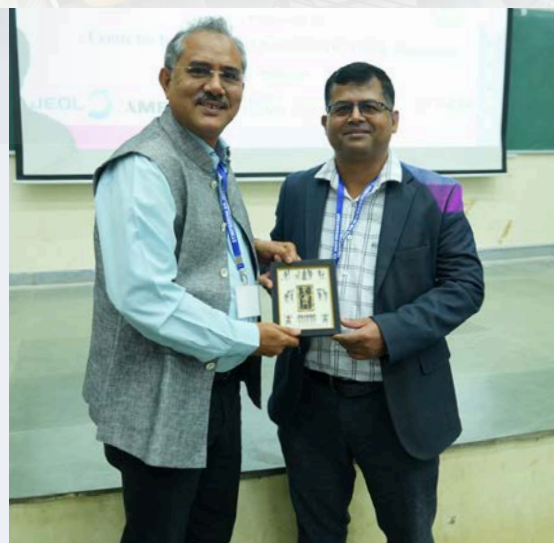
SPS Day 2025, organized by the School of Physical Sciences, NISER, on 17–18 October 2025, showcased ongoing research, recent advances, collaborative work across the physical sciences.





Symposium on Interdisciplinary Sciences – 2025

From 20 to 22 November 2025, scientists and technologists from diverse areas of basic science convened at National Institute of Science Education and Research, Bhubaneswar, for the **Symposium on Interdisciplinary Sciences 2025 (SIS-II)**, organised by the Centre for Interdisciplinary Sciences, to promote interdisciplinary dialogue, highlight advanced research facilities, and encourage collaboration through invited lectures, oral presentations, and poster sessions.



Indian Strings Meeting (ISM) 2025

A major forum for scholarly exchange in string theory and high-energy physics was provided by the biennial **Indian Strings Meeting (ISM) 2025**, organised at IIT Bhubaneswar and NISER, Bhubaneswar, during 9–14 December 2025, with plenary talks, poster presentations, and focused discussions highlighting recent theoretical developments.



MRSI-ICEM-2025

The **36th AGM of MRSI and the 7th Indian Materials Conclave (MRSI-ICEM-2025)** was held at NISER Bhubaneswar from 17 to 20 December 2025, bringing together researchers, students, industry experts to share ideas, foster collaboration in emerging materials research.



RADCOR – 2025

A major international platform for discussions on quantum field theory and particle physics phenomenology was provided by **RADCOR 2025 – 17th International Symposium on Radiative Corrections: Applications of Quantum Field Theory to Phenomenology**, held during 5–10 October 2025. The biennial conference brought together experts working on precision collider calculations, higher-loop and higher-multiplicity computations within the Standard Model, cross-sections for new physics, and the interpretation of experimental data, alongside advances in computational techniques, computer-algebra methods, and emerging theoretical developments.



International Day of Medical Physics (IDMP – 2025)

The **International Day of Medical Physics (IDMP-2025)** was observed on 7 November 2025 with a day-long programme focused on the theme “Radiation Safety in Health Care.” The event featured expert talks by senior professionals in medical physics, highlighting safety protocols, clinical applications, and the importance of responsible radiation use in healthcare. The programme encouraged knowledge sharing and professional interaction and was organised by the Centre for Medical and Radiation Physics.



Talks & Special Lectures

An Institute Colloquium on **"Earthquakes and Society"** was held on 29 August 2025 at NISER. The talk was delivered by Prof. Supriyo Mitra from the Department of Earth Sciences & Centre for Climate and Environmental Studies, IISER Kolkata. The session was convened by Dr. Pathikrit Bhattacharya and provided insights into the societal impacts of earthquakes and related research in earth sciences.

As part of Wildlife Week celebrations, a special lecture was held at NISER on 7 October 2025. The talk was delivered by Dr. Geetha Ramaswami, Programme Manager for SeasonWatch, on the topic **"Citizen science helps track biodiversity change."** The session was convened by Dr. Aniruddha Datta Roy.

An Institute Colloquium on **"Quark-Gluon Plasma and ALICE at the LHC"** was held on 14 October 2025. The talk was delivered by Prof. Marco van Leeuwen, Spokesperson of the ALICE Collaboration at CERN's Large Hadron Collider (LHC). The session was convened by Prof. Bedangadas Mohanty.



NISER Open Day 2025 was held on 8 November 2025 and featured science lectures for school students by NISER faculty. The talks included **"Immune System: The Homeland Security of Our Body"** by Dr. Subhasis Chattopadhyay and **"Useless Is Useful: Nobel Prize to Molecular Hotels"** by Dr. Bishnu P. Biswal, along with creative experiments by NISER students to spark scientific curiosity.



NISER Open Day

Two Outreach Popular Talks were organized by the NISER Outreach Cell. Prof. Bikash Ranjan Pattnaik spoke on **"Your Journey Begins Today: Learning, Leading, and Living with Purpose,"** and Prof. Thalappil Pradeep delivered **"Water: A Molecular Foundry – From Atomically Precise Clusters to Droplets and Ice for Sustainability,"** with both sessions held at the Pathani Samanta Auditorium.



Outreach Popular Talks



MOU SIGNING CEREMONY

A Step Forward in Research Infrastructure

On 31 July, NISER signed an MoU with Central Public Works Department (CPWD) for the development of infrastructure for a medical cyclotron facility at NISER. The agreement marks an important move toward establishing specialised facilities to support advanced scientific research.

Expanding Capabilities in Nuclear Medicine

The proposed cyclotron facility will strengthen research in nuclear medicine and basic sciences, creating new opportunities for interdisciplinary collaboration. It will support advanced training, enable indigenous radioisotope development, and promote translational research, reflecting a long-term commitment to strengthening research infrastructure and scientific capacity.

First Cohort, Full Placement: 1st batch, MSc Medical & Radiological Physics

The first cohort of the MSc Medical and Radiological Physics programme achieved 100% placement, marking a strong start for the programme. Graduates secured positions across leading healthcare institutions, including Tata Memorial Hospital (TMH, Parel), Apollo Proton Cancer Centre, Utkal Hospital, HBCH & RC (Muzaffarpur & Sangrur), Mahatma Gandhi Institute of Medical Sciences (MGIMS), OP Jindal Institute of Medical Sciences and American Oncology Institute. This outcome reflects the programme's strong training foundation and its alignment with clinical and research needs in medical physics.

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NEW FACILITIES

NISER BHUBANESWAR

Ground-breaking of Medical Cyclotron and Nuclear Medicine Facility

NISER marked a significant milestone with the ground-breaking ceremony of the Medical Cyclotron, Nuclear Medicine Hospital, and the Centre for Medical and Radiation Physics Facility. This major initiative is aimed at strengthening national capabilities in nuclear medicine, radiopharmaceutical production, and advanced cancer diagnostics, while expanding the institute's role in medical research.

The ceremony was graced by Prof. Ajit Kumar Mohanty, Secretary, Department of Atomic Energy and Chairman, Atomic Energy Commission, whose presence underscored the national importance of the initiative. Developed in collaboration with the Tata Memorial Centre, the facility represents a significant step toward enhancing research excellence, strengthening healthcare infrastructure, and advancing translational medical research to address critical societal needs across the country.

Once operational, the facility will support advanced diagnostics, interdisciplinary research, and skilled manpower development in nuclear medicine.



Dedication of the National Centre for Animal Research and Experimentation

The National Centre for Animal Research and Experimentation (NCARE), part of the School of Biological Sciences, NISER, Bhubaneswar, was dedicated to the nation by Shri Dharmendra Pradhan, Hon'ble Union Minister of Education. The facility further strengthens advanced biological research and training at NISER, supporting ethical experimentation, interdisciplinary collaboration, and capacity building in biomedical and fundamental life sciences.



Commission. The addition strengthens institutional infrastructure and is expected to facilitate smoother coordination and informed decision-making for both academic and administrative activities.



Inauguration of the 400 kV Ion Accelerator at the Ion Beam Laboratory

NISER inaugurated its newly installed 400 kV ion accelerator at the Ion Beam Laboratory, marking a significant enhancement of its experimental research facilities. The accelerator will support advanced studies in materials science, physics, and related areas, strengthening the institute's capabilities in ion beam-based research and training.

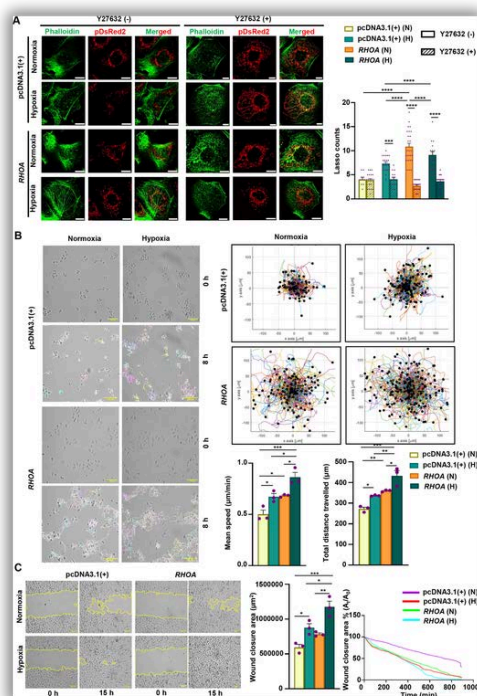


State-of-the-Art Conference Hall at the Directorate

A modern conference hall has been added at the Directorate to support administrative discussions and academic meetings, providing a well-equipped space for effective communication, planning, and collaboration across teams.

The facility was inaugurated by Prof. Ajit Kumar Mohanty, Secretary, Department of Atomic Energy and Chairman, Atomic Energy

Research and Discovery



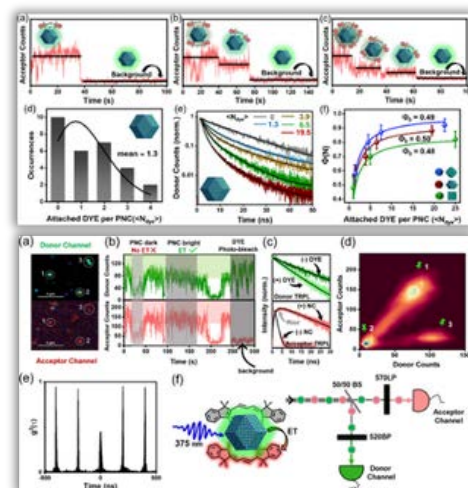
RHOA-Mediated Mitochondrial Changes in Cancer Cells

A team led by **Dr. Asima Bhattacharyya** from the School of Biological Sciences, NISER, has shown that hypoxia-driven RHOA upregulation alters mitochondrial dynamics in gastric cancer cells, as reported in the *Journal of Cell Science*.

Despite reduced mitochondrial fission and reactive oxygen species, RHOA-overexpressing cells showed enhanced migration. The results identify RHOA-mediated mitochondrial plasticity as a key adaptive mechanism supporting cancer progression.

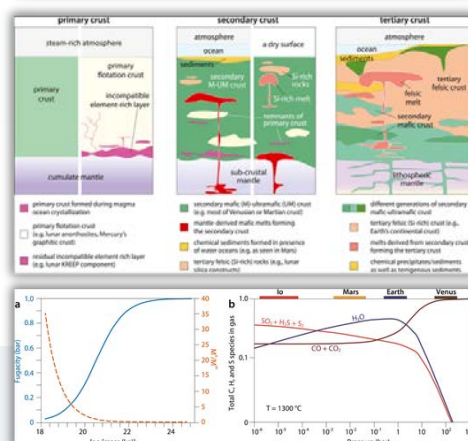
Facet Engineering Boosts Energy Transfer in Perovskite Nanocrystals

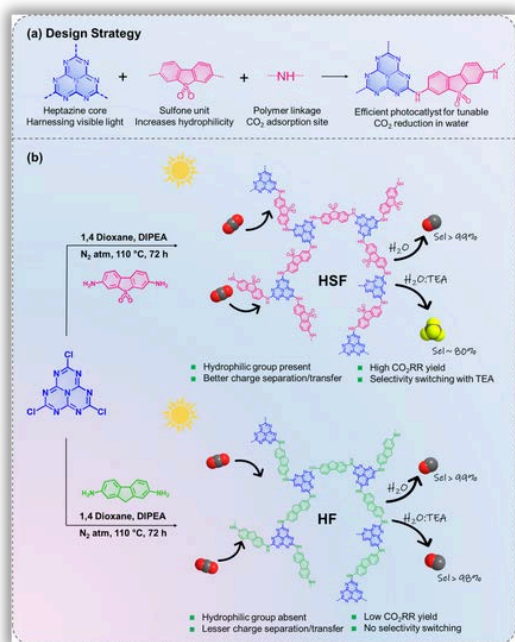
Work carried out under the leadership of **Prof. Subhadip Ghosh** from the School of Chemical Sciences, NISER, reports Dexter-type energy transfer in perovskite nanocrystal-dye systems. Published in *ACS Energy Letters*, the study highlights facet engineering as an approach to enhance energy transfer for photocatalysis, sensing, and light harvesting.



Evolution of Terrestrial Planets

A multinational team including **Dr. Priyadarshi Chowdhury** from NISER studied why terrestrial planets evolved differently. Published in *Reviews of Geophysics*, the work highlights tectonics and planetary interiors in long-term habitability.





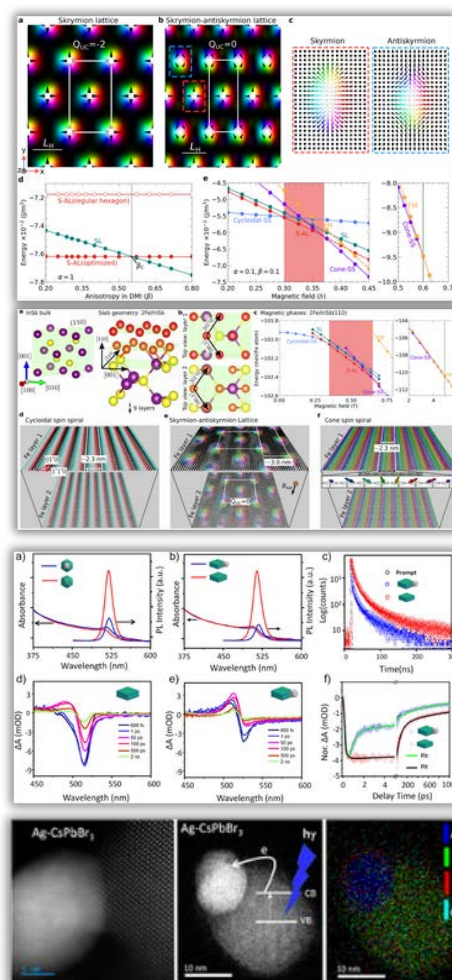
Selective CO₂ Reduction via Photocatalysis

Published in *Advanced Functional Materials*, the research led by **Prof. Hirendra Nath Ghosh**, Director of NISER, reports a sulfone-functionalized polymer for efficient photocatalytic CO₂ reduction in water, achieving over 99% CO selectivity and a record quantum yield of 32.13%.

The study further shows that adding triethylamine shifts the reaction toward CH₄ formation with 80% selectivity, with experiments and DFT calculations explaining the roles of sulfone groups and charge-transfer processes involved.

Stable Skyrmion–Antiskyrmion Lattice Discovered

In *Advanced Science*, a recent study by **Dr. Ashis Kumar Nandy** from the School of Physical Sciences, NISER, reports a stable skyrmion–antiskyrmion lattice in a two-dimensional chiral magnet. The work identifies competing interactions that stabilize this phase and highlights 2Fe/InSb(110) as a promising platform for spintronic applications.

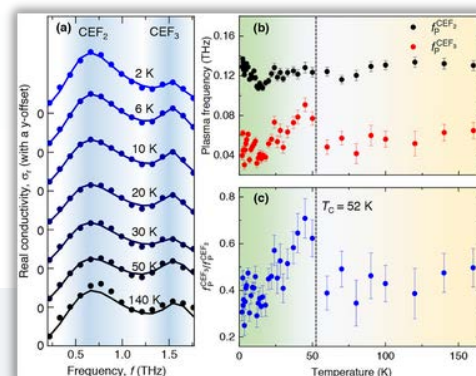


Skilled Facets: Perovskite–Ag Hybrids

A study involving **Prof. Hirendra Nath Ghosh**, Hon'ble Director of NISER, reports facet-specific epitaxial integration of Ag nanoparticles with CsPbBr₃ nanocrystals of different morphologies. Published in *Angewandte Chemie*, the work reveals electron transfer-driven photoluminescence quenching, offering new insights into plasmon–exciton interactions for optoelectronic applications.

Magnetic & Charge Dynamics in PrSi

Dr. Shovon Pal and team at NISER studied PrSi, revealing non-Drude transport and a low-temperature crystal-field regime linked to ferromagnetic order, published in *Advanced Science*.



✦ Awards & Recognition ✦

**Prof. Hirendra Nath Ghosh****Prof. Bedangadas Mohanty****Prof. C. Gunanathan****Dr. Bishnu Prasad Biswal**

Prof. Hirendra Nath Ghosh, Director of NISER; Prof. Bedangadas Mohanty, Senior Professor; Prof. C. Gunanathan, Professor; and Dr. Bishnu Prasad Biswal, Reader-F, have been featured in the prestigious *Stanford–Elsevier Top 2% Scientists list (2024)* under the Career–Long Research category, recognizing their sustained and impactful contributions to research.

**Prof. Palok Aich**

led MicrobioTx Health to win **Startup of the Year 2025** for accessible gut testing and probiotics.

**Dr. Asima Bhattacharyya**

has been named **Guest Editor** of PNAS Nexus and **Editorial Board Member** of Current Research in Physiology.

**Prof. Himansu Sekhar Biswal**

has been nominated as a **Member** of the PCCP Advisory Board by the Royal Society of Chemistry (RSC).

**Dr. Subhasis Chattopadhyay**

won the **Singles Table Tennis (Managers' Event)** for Konark Zone at the 40th DAE Sports & Cultural Meet, Mumbai.



Dr. Bishnu P. Biswal received the **Research Rising Star Award**, **ChemComm Emerging Investigators 2025** recognition, and **Merck Young Scientist Award 2025** for his contributions to porous materials and innovative chemistry, highlighting his impactful research in inorganic, organic, and hybrid frameworks as well as sustainable energy and separation technologies.

✦ Student Achievements ✦



Ms. Swati Saha

From SPS, won **First Prize** and **S. N. Ghoshal Award**, named **Best Young Physicist** at the 40th Young Physicist Colloquium 2025.



Dr. Binod Kumar Oram

From SCS received the **Best Poster Award** at the 18th DAE-BRNS Trombay Symposium on Radiation & Photochemistry (TSRP 2026).



Mr. Mrinal Kanti Panda

From SCS, won **Best Poster Award** at International Conference on Interdisciplinary Approaches in Chemical and Biological Sciences (IACBS-2025).



Ms. Aranya Pal

From SBS received the **Organizers' Award for Best Poster** at the 48th All India Cell Biology Conference, held 7–9 December 2025 at IIT Kanpur.



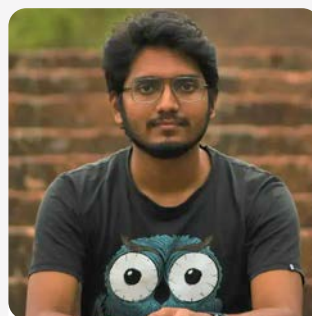
Mr. Uday Singh

From SPS received the **Best Poster Award** at the 69th DAE Solid State Physics Symposium, held from 19 to 23 December 2025 at IIT Roorkee.



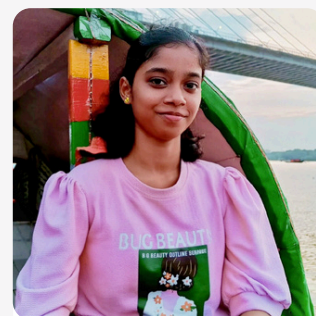
Ms. Madhusmita Parida

From SCS received the **Best Poster Award** at the National Seminar on Chemistry for Sustainable Future: Innovations for a Greener Planet.



Mr. Arijit Dutta

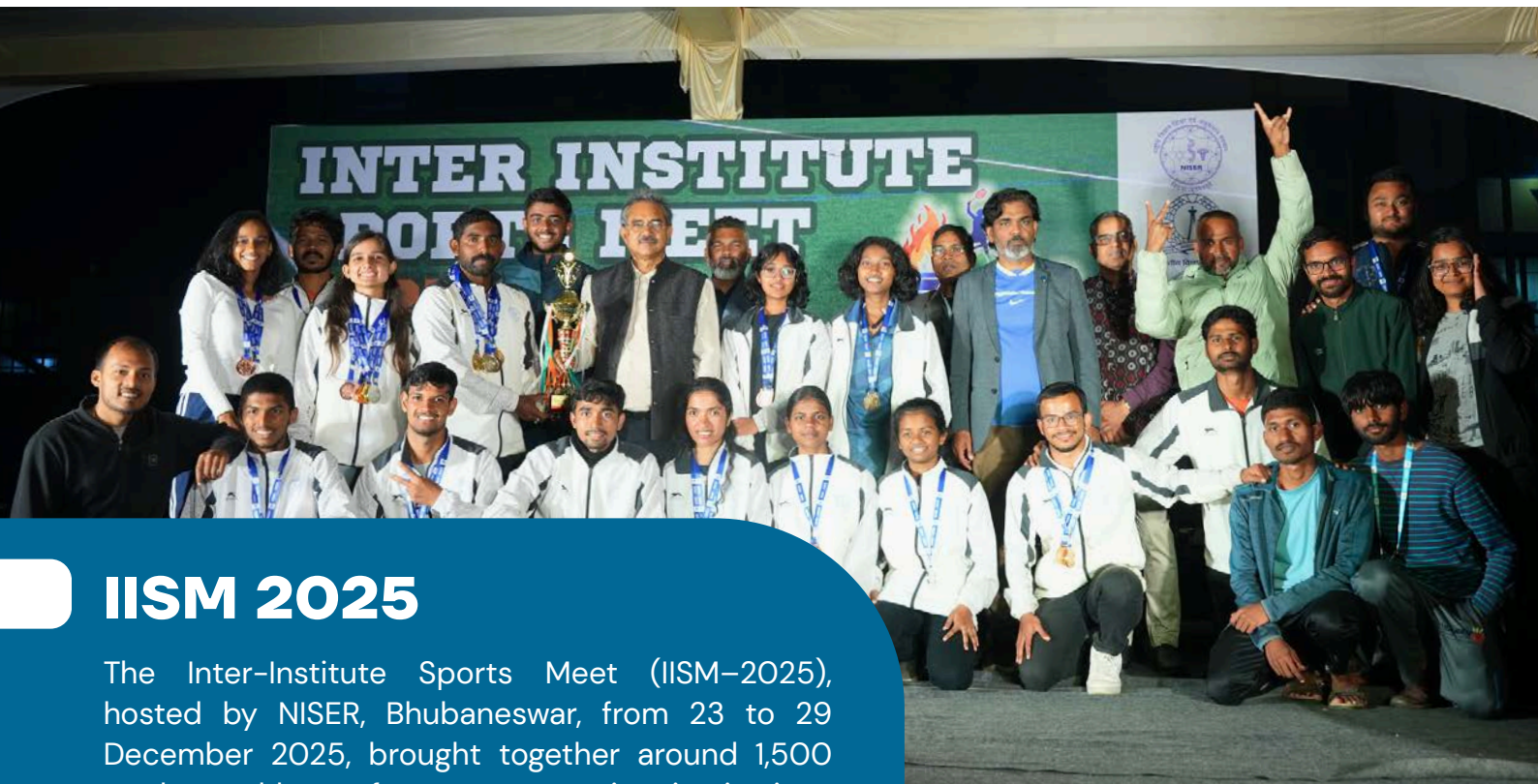
From SBS has been awarded the **Society of Systematic Biologists (SSB) 2025 Graduate Student Research Award (GSRA)**.



Ms. Chinmayee Patra

From SCS received the **Best Poster Award** at the International Conference on Nanomaterials and Molecules: From Spectroscopy to Bioimaging 2026.

INSTITUTE CHRONICLES



IISM 2025

The Inter-Institute Sports Meet (IISM-2025), hosted by NISER, Bhubaneswar, from 23 to 29 December 2025, brought together around 1,500 student-athletes from ten premier institutions across the country. Spread over thirteen sporting disciplines, the week-long meet showcased competitive spirit, discipline, and strong inter-institutional camaraderie, with smooth organization and enthusiastic participation.

NISER secured an impressive 3rd position overall, winning **13 gold**, **6 silver**, and **20 bronze** medals. Athletics stood out with a major contribution, alongside strong performances in basketball, kabaddi, volleyball, cricket, football, lawn tennis, table tennis, and power-lifting, where the men's team lifted the overall trophy. The successful hosting and strong showing at IISM 2025 reflected NISER's balanced emphasis on the academic excellence and sports culture.





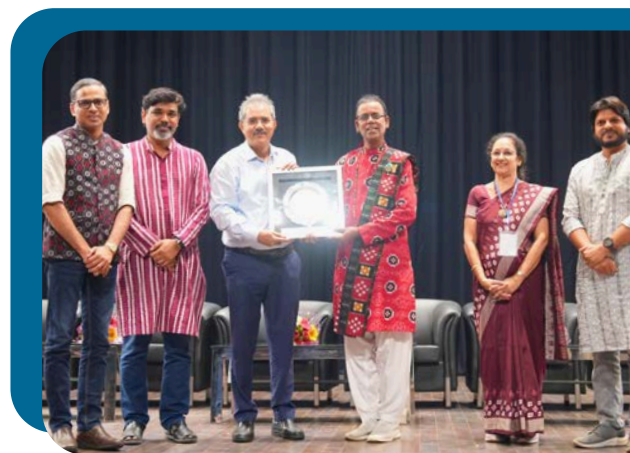
UMANG 2025: NISER's Annual Cultural Fest

UMANG 2025, NISER's annual cultural fest held from 24 to 26 October 2025, brought the campus alive with energy and creativity. Organized by over 15 cultural clubs and featuring more than 36 events, the three-day celebration showcased vibrant performances, enthusiastic participation, and a strong sense of community, reflecting the diversity, collaboration, and spirit of the NISER student community.



Anurang 2025: HBNI Student Cultural Festival Celebration

NISER hosted the HBNI Student Cultural Festival on 12 October 2025 at the Pathani Samant Auditorium, bringing together students from HBNI institutes for an evening of creativity and cultural exchange. The programme showcased music, dance, poetry, and other art forms, creating a lively and inclusive setting that celebrated talent, expression, and shared culture.



Independence Day

NISER marked the 79th Independence Day with patriotic spirit as the campus filled with the tricolour. The celebration included flag hoisting, addresses on nation-building, a plantation drive, and cultural performances celebrating India's unity and heritage.



XIV Graduation Ceremony

The 14th Graduation Ceremony, graced by the Chief Guest Shri Dharmendra Pradhan, marked a proud milestone for the NISER community as degrees were awarded across multiple academic programmes. A total of 156 Integrated MSc degrees, 28 Integrated MSc–PhD (MSc part) degrees, 41 PhD degrees, 2 Integrated MSc–PhD (PhD part) degrees, and 9 MSc MRP degrees were conferred. The ceremony celebrated the academic achievements and perseverance of the graduating students and reaffirmed the institute's commitment to excellence in science education and research.



Observance of Vigilance Awareness Week & Rashtriya Ekta Diwas

NISER observed Rashtriya Ekta Diwas to mark the birth anniversary of Sardar Vallabhbhai Patel and reaffirm its commitment to unity and integrity. The Director and Registrar led the Rashtriya Ekta Pledge, along with the Integrity Pledge under Vigilance Awareness Week and the Swachhata Pledge, highlighting the institute's dedication to ethical values and national harmony.

Constitution Day Observance

NISER observed Constitution Day 2025 (Samvidhan Diwas) by marking the 76th anniversary of the Constitution with a Preamble reading led by the Director, reaffirming the institute's commitment to India's constitutional values.



16th Foundation Day

The 16th Foundation Day of NISER reflected its growth and research excellence, featuring an inspiring lecture by Prof. Vinod Kumar Singh of IIT Kanpur, President of NASI, along with a flute recital and Gotipua dance performance by artists.

WELCOME TO THE TEAM

Dr. Partha Maity

Assistant Professor, School of Chemical Sciences, joined on 10 October 2025.

**Dr. Tridib Mahata**

Assistant Professor, School of Biological Sciences, joined on 03 November 2025.

**Dr. Rajkumar Misra**

Assistant Professor, School of Chemical Sciences, joined on 04 December 2025.



New Faces at NISER

NISER warmly welcomes its newly joined members, whose expertise and enthusiasm add fresh energy to the institute. We look forward to their contributions to teaching, research, and campus life.

Dr. Sajal Sen

Assistant Professor, School of Chemical Sciences, joined on 04 December 2025.

**Dr. Bijit Mukherjee**

Assistant Professor, School of Chemical Sciences, joined on 15 December 2025.

**Dr. Aishani Ghosal**

Assistant Professor, School of Chemical Sciences, joined on 02 January 2026.



Alumni Connect

Dr. Shyam K. Banjare, NISER alumnus (PhD 2023), has joined IIT Jodhpur as an Assistant Professor. He received the HBNI Outstanding Doctoral Students Award 2023 for his PhD research, reflecting NISER's strong research culture.

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Student Events & Activities

Brain Matters Club



The Brain Matters Club of NISER organised a series of intellectually stimulating talks and hands-on activities that brought neuroscience closer to the students through discussion, experimentation, and immersive problem-solving. The Club organised an online talk on 12 September by Prof. S. P. Arun (IISc Bangalore), focusing on challenges in machine vision & insights from neuroscience. An engaging online lecture was delivered by Dr. Matteo Carandini (University College



London) on 21 October 2025, exploring how the brain integrates information to make decisions.

Throughout the semester, the club conducted a hands-on project, Amplifying the Microscopic, where members assembled a SpikerBox to record neuronal signals. The flagship event, Brain Matters' Escape House: The Chronos Conspiracy, was held later in the semester and saw participation from over 180 students in an immersive problem-solving challenge.

Coding Club

During July–December 2025, the Coding Club organised a series of technical and outreach activities to promote programming and computational thinking skills across campus.

The flagship NPC Colosseum challenged participants to build competing bots in a custom RPG-style game. Talks on Deep Learning and Quantum Computation introduced students to emerging computing areas.

During Open Day, the club held a Pose Detection using Machine Learning session for school students. The Code N Coffee session introduced beginners to Python and algorithmic problem-solving.



Literary Club

During the semester, the Literary Club (LitC) organised events that celebrated literature and creative expression.

The semester opened with Literary Dialogues on 30 August, a book discussion that saw strong participation, especially from freshers.

An open mic held on 7 September 2025 featured original works and readings in English and regional languages, followed by thoughtful discussions.

As part of Umang'25, LitC conducted Saga (story writing) and Reverie (poetry writing) competitions based on on-spot themes.

In collaboration with Walking BookFairs, a pop-up bookstall was organised on 24–25 October during Umang'25, drawing enthusiastic readers and lively interactions.



Oorna: Nature Club

During July–December 2025, Oorna organised activities focused on citizen science, campus biodiversity, and conservation awareness. The semester opened with an interaction with Dr. Geetha Ramaswami (SeasonWatch, NCF), featuring a campus walk and demonstrations on tree phenology using the SeasonWatch app.



National Wildlife Week (5–12 October 2025) was the highlight, with nature walks, talks, discussions, and interactive activities, beginning with a biodiversity trip to Barunei Hills.

Key talks during Wildlife Week included Dr. Geetha Ramaswami on citizen science and biodiversity change, Prathmesh Amberkar on museum specimens with a live demonstration, and Dr. Manoj Nair (Director, Nandankanan Biological Park) on wildlife conservation, followed by a guided campus nature walk. The Week concluded with FaunablitZ, a team-based biodiversity challenge that recorded over 170 observations and 100+ species in three hours.

The semester ended with a bird walk on 15 November for Young Birders Month (NCF), where over 30 bird species were observed.



The Robotech Club

The RoboTech Club organised technical activities focused on innovation and hands-on learning.

The club actively contributed to the Skill Development Programme 2026, NISER Open Day, and Prerna (by Zaariya) through live demonstrations and student interactions.

R&D initiatives included the design and development of Drone and Rover projects, offering practical exposure to robotics and automation.

The club participated in Umang, showcasing student-built projects and innovations.

RoboTech also represented NISER in inter-campus robotics competitions, including line follower events, gaining valuable competitive experience.

shared their summer internship experiences, discussing research projects, techniques learned, and challenges faced, offering practical insight into life in the lab.

Organised an immersive, story-based videogame event where teams navigated "The Zone," a landscape filled with chemical anomalies. Participants solved chemistry-driven puzzles and identified irregularities to escape, combining scientific reasoning with teamwork. The event drew an enthusiastic crowd from diverse academic backgrounds.

Conducted interactive chemistry demonstrations for visiting students, including genie in a bottle, elephant toothpaste using hydrogen peroxide, the Briggs–Rauscher oscillatory reaction, and a displacement reaction with a Coca-Cola can. The hands-on sessions sparked curiosity and excitement about chemistry among young visitors.



The Free Radicals

The Free Radicals Club of NISER organised a range of engaging academic and outreach activities aimed at promoting curiosity, creativity, and a deeper appreciation of chemistry through hands-on learning and peer-driven interactions.

Hosted a peer-led session in which students



Zaariya: The Social Services Club

The Zaariya Club of NISER continued its commitment to community service and social responsibility through a series of thoughtful initiatives during the semester.

Continuing a cherished tradition, On 9 August Zaariya celebrated Raksha Bandhan by expressing gratitude to the campus security and health staff who safeguard our community. Volunteers distributed handmade rakhis to personnel stationed throughout NISER, accompanied by sweets and warm conversations. This simple yet meaningful gesture reinforced the bond between students and staff, honouring those who dedicate themselves to maintaining a safe and healthy campus environment for everyone.



In October Zaariya's annual Food Fest returned on the eve of Diwali by bringing the NISER community together for an evening of festive celebration and culinary delights. Volunteers set up numerous food stalls offering varied cuisines, creating a vibrant marketplace atmosphere that captured the joy of the festival. The event successfully raised funds for Zaariya's social initiatives, with many volunteers contributing their earnings back to the club, demonstrating the collective spirit and dedication that drives our mission forward.

A cloth donation drive was conducted during the hostel vacating period ahead of IISM. The initiative encouraged students to donate usable clothing instead of discarding it, promoting sustainability and supporting those in need across the community. The drive received an encouraging response from the campus community. The collected clothes were sorted and distributed through appropriate channels to ensure maximum impact.



VIBES NEWSLETTER



CONNECT WITH US

+91 674 2494000 (Extn: 2515)
vibes@niser.ac.in

CONTENT & DESIGN

Mr. Bidyut S S Mohanty
Mr. Prasanna K. Muduli

BROUGHT OUT BY

NISER
INFORMATION CELL