

THE QUARTERLY NEWSLETTER OF NIT RAIPUR



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MIRROR

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QUARTERLY GLIMPSES

REPUBLIC DAY 2026



SAMAR 2026



FOUNDATION DAY 2026



ECLECTIKA 2026



NIT RAIPUR IN MEDIA

NIT hosts Conference on Emerging Technologies

#Campusevent: एनआईटी में गगनयान एंड जर्नी टू द स्टार्स टॉपिक पर टॉक शो नजरिए से तय होगा आपका मुकाम: गगनयात्री अजीत

नवाचार की पहल एनआईटी में 15 दिवसीय शिक्षक प्रशिक्षण का समापन, कार्यक्रम में एनईपी पर रहा जोर पीएमश्री स्कूलों के शिक्षकों ने एनआईटी में सीखा डिजिटल अध्यापन

#ProgressReport पहले चरण का डोजियर तैयार कर सबमिट किया गया
एनआईटी के सैटेलाइट डेटा व थर्मल मैपिंग से सिरपुर को विश्व धरोहर दर्जे की उम्मीद

युवाओं के लिए खुलेंगे रोजगार व इनोवेशन के द्वार

राष्ट्रीय स्टार्टअप दिवस एनआईटी रायपुर में एलाइड ब्लाकचेन सेंटर का हुआ शुभारंभ प्रवेश से मिलेगा लाभ यह पलन पूरे छात्रों समूह के सम्मिलित

Workshop on Circular Economy and Industrial Waste by NIT

मंच मिला।
एनआईटी: एसटी छात्रों और कर्मचारियों से संवाद, योजनाओं के बेहतर इम्प्लीमेंटेशन पर दिया जोर

एनआईटी में ब्रेस्ट कैंसर जागरूकता एप से खुद जांच की दी गई सलाह

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NIT-R inaugurates STTP on 'Responsible and Sustainable Mining'

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Institute News

NIT Raipur Celebrated 77th Republic Day and Concluded SAMAR'26 with Grandeur



NIT Raipur celebrated the 77th Republic Day on 26th Jan. 2026 with great enthusiasm and patriotic fervour. The celebration commenced with the unfurling of the National Flag by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, followed by the National Anthem and a spectacular parade by NCC cadets. The event was graced by **Prof. N. D. Londhe**, Registrar, NIT Raipur, along with Deans, Heads of Departments, faculty members, officers, staff and students.

In his address, **Prof. Rao** highlighted the spirit of the Indian Constitution and shared the institute's recent achievements, including the inclusion of NIT Raipur faculty in Stanford University's list of the world's top 2% scientists, major MoUs and initiatives promoting research, innovation, and entrepreneurship. He also congratulated students for their achievements in events such as Smart India Hackathon, Coderush, and the Inter-NIT Football Tournament etc. The celebration featured cultural performances by **Raga** – The Music Club, **Nrityam** – The Dance Club, and a street play by **Abhinay** – The Dramatics Club. A tree plantation drive under the **Ek Ped Maa Ke Naam** campaign was organized by the **Go Green Club**.

NIT Raipur also successfully concluded SAMAR'26, the institute's annual sports fest, organized by **SHAURYA** – The Sports Committee with title sponsorship from HIRA Group. The closing ceremony was graced by **Prof. Samir Bajpai** Head, CDC, **Prof. M. K. Verma**, **Prof. Manoj Chopkar** Dean (SW), **Dr. Meena Murmu**, **Dr. Pawan Kumar Mishra**, Associate Deans (SW), **Dr. R. Suresh Kumar**, Faculty (I/C), **SHAURYA** Faculty Members and students.

The programme concluded with a Vote of Thanks by **Pratham Pithalia**, marking the successful completion of SAMAR'26 and reinforcing the spirit of unity, excellence and sportsmanship.

NIT Raipur Celebrated Foundation Day and Shruti '25



NIT Raipur celebrated its 21st Foundation Day on 9th Jan. 2026, and organised *Shruti '25*. **Prof. N. V. Ramana Rao**, Director, NIT Raipur, was the *Chief Guest* of the event. **Dr. Manoj Chopkar**, Dean (SW), and **Prof. Samir Bajpai**, Head, CDC, also graced the event. All the HODs, faculty Members, staff, Alumni, students, and Families were also present during the event.

After the formal welcome of the guests, the lamp-lighting ceremony was held. **Dr. Chopkar** warmly welcomed the guests, dignitaries, and attendees on Foundation Day. He emphasized NIT Raipur's transformation from GEC to a leading institute excelling in UG, PG and PhD programs and highlighted advancements in teaching, innovation, and research under visionary leadership of **Prof. Rao**. **Prof. Bajpai** emphasised that the institution is renowned for its talent and progress in various fields. He said that the institution has fostered technical acumen and research skills among the students. **Prof. Rao** praised the faculty and students for their contributions to technical advancements and solving real-world problems.

It was followed by the Award Ceremony. The Distinguished Alumnus Award was presented to **Prof. Anurag Prabhakar Mairal**, Alumnus, DCE, 1990. The Lifetime Alumni Achievement was presented to **Mr. Santosh Kumar Agrawal**, Alumnus, CE, 1975, and **Mr. Sudhir Vasudeva** Alumnus, DCE, 1975. **Mr. S.K. Agrawal**, Alumni, 1975 batch expressed his gratitude towards the institute for honouring him with the Lifetime Achievement Award. The Vote of Thanks was delivered by **Dr. Suvendu Roop**, Faculty (I/C), Cultural Committee. Next on the schedule were a dance performance by *Nrityam- The Dance Club* and a musical night, *Shruti* by *Raaga - The Music Club* of the institute. The program established a sense of unity in diversity, which is symbolic of India. The audience was mesmerised by the performances.

NIT Raipur Inaugurated Newly Constructed Smart Classrooms with Alumni Support

NIT Raipur inaugurated four newly renovated smart classrooms, F-39, G-37, G-4, and G-41 on 18th Feb. 2026. These classrooms have been developed with the generous support of the alumni from the 1992 Batch, 1994 Batch, **SBL Energy Ltd.**, and **Shri Nand Kumar Verma, ME, 1985 Batch**. The initiative marks a significant step toward enhancing the institute's academic infrastructure and learning facilities.



The inauguration ceremony was graced by **Dr. Suresh Haware, Chairman, BoG, NIT Raipur**, who inaugurated the modern classrooms. He was accompanied by **Prof. N. V. Ramana Rao, Director, NIT Raipur**, alumni representatives from various batches, along with their family members, all Deans, HoDs, faculty members, officials, staff, and students.

During the address, **Prof. Rao** highlighted that these facilities would greatly benefit students and strengthen the institute's commitment to providing globally competitive infrastructure, while **Dr. Haware** expressed appreciation for the alumni community and encouraged them to continue contributing to the institute's growth.

NIT Raipur inaugurated the Applied Blockchain Centre



NIT Raipur inaugurated the Applied Blockchain Centre on 26th Feb. 2026 at Central Computer Centre (CCC) with the sponsorship from **IDS Pvt. Ltd. Hyderabad**. The ceremony was graced by **Prof. N. V. Ramana Rao, Director, NIT Raipur**, as *Chief Guest*, along with **Mr. Amit Chandra, Vice President, IDS Pvt. Ltd., Pune**, and **Prof. N. D. Londhe, Registrar, NIT Raipur**, as *Guests of Honour*. Senior faculty

members including **Prof. Samir Bajpai, Head, (CDC), NIT Raipur**, **Prof. Shrish Verma, Professor (HAG), ECE**, and **Prof. Prabhat Diwan, Professor, DAG**, were also present on the occasion. The centre is coordinated by **Dr. Rakesh Tripathi, Faculty (I/C), CCC**, **Dr. Ravindra Kumar Chauhan, Technical Officer, CCC**, **Dr. B. Acharya, Associate Professor, ECE**, and **Dr. C. Jatoth, Assistant Professor, IT**. Faculty members, non-teaching staff, and students from various departments also participated in the program.

The Applied Blockchain Centre aims to strengthen Industry-Academia collaboration, promote advanced research and skill development, and develop innovative blockchain solutions across FinTech, cybersecurity, governance, and digital transformation. The centre is expected to significantly benefit Chhattisgarh by creating skilled manpower, fostering innovation-driven entrepreneurship, enhancing digital transparency in governance, and contributing to the state's growing technology ecosystem.

NIT Raipur Organized Industrial Robots Demonstration Robo Show



NIT Raipur's Janyu Tech Centre of Excellence in Robotics and Automation, in collaboration with **Robotix Club of NIT Raipur**, organized an Industrial Robot demonstration program titled **Robo Show** on 29th Jan. 2026 under the *Centre of Excellence in Robotics and Automation*. The event focused on showcasing real-world industrial robotics solutions and proved to be an important step towards strengthening Industry-Academia collaboration, providing skill training to youth, and developing robotics-based solutions for society and industry.

The programme was graced by **Dr. S. Bhartidasan, IAS, Secretary, Department of Technical and Higher Education, Government of Chhattisgarh**, as the *Chief Guest*, while **Mr. Vishwadeep, IAS, Commissioner, Raipur Municipal Corporation**, attended as the *Guest of Honour*. Distinguished guests included **Prof. C. Krishna Mohan of IIT Hyderabad** and **Mr. Abhimanyu Raja, Managing Director Janyu Tech**. The event was attended by **Prof. N. V. Ramana Rao, Director, NIT Raipur**, **Prof. Shrish Verma, Professor (HAG), ECE**, **Dr. Rajesh Doriya, Faculty (I/C), Robotix Club**, and other faculty members, students, and participants.

At the beginning of the programme, **Prof. Verma** highlighted that the initiative aims to establish a Centre of Excellence in Automation to address real industrial problems and promote technological innovation. He informed that **Janyu Tech** has provided four industrial robots to support real-time industrial training and emphasized the need for participation from all departments to build a strong ecosystem of skilled robot operators. **Mr. Raja** stated that robotics ensures continuous industrial productivity and helps achieve the goal of zero accidents by performing hazardous tasks, while also stressing the importance of strong Industry–Institute collaboration beyond simulation-based learning.

Prof. Mohan appreciated NIT Raipur’s continuous academic and technological initiatives and expressed confidence that the institute will emerge as one of the country’s leading technical institutions. **Prof. Rao** highlighted that robotics inspires innovation and can be applied in mining tunnels, hazardous industrial operations, healthcare, and chemical handling, helping bridge the gap between theory and practical learning. **Mr. Vishwadeep** emphasized the need for robotics in dangerous civic tasks such as drainage cleaning, septic tank maintenance, and de-silting of wells and reservoirs to prevent accidents. In his concluding address, **Dr. Bhartidasan, IAS**, appreciated the initiative and noted that with the rapid growth of artificial intelligence and robotics, developing skilled human resources is essential to meet future technological challenges.

The dignitaries visited and inspected the various robots showcased at the Robo Show, highly appreciating the demonstrations of robots used for day and night surveillance, quadruped (dog-like) robots, throw-bots, and robots designed for underwater sludge cleaning. Robots developed by students of NIT Raipur were also demonstrated. The Robo Show concluded successfully, delivering a strong message on industrial robotics, skill development, and industry–academia collaboration.

NIT Raipur celebrated International Women’s Day



NIT Raipur, Centre for Indian Knowledge Systems (IKS Cell) celebrated Women’s Day on 9th Mar. 2026. The theme of the event was **The Intellectual Legacy of Women in**

Bharatiya Knowledge Tradition with Special Reference to Ancient India (Pre-Colonial Period). The program was graced by **Dr. Varnika Sharma**, Chairperson, Chhattisgarh State Commission for Protection of Child Rights, as the Chief Guest and Keynote Speaker. **Prof. N. V. Ramana Rao**, Director, NIT Raipur, attended the event as the Guest of Honour. Other distinguished speakers included **Dr. Archana Sharma**, ANRF Prime Minister’s Professor, EE, NIT Raipur, **Prof. Shubhrata Gupta**, Dean Academics, and **Mrs. Jyoti Ramana Rao**. The program was also attended by **Dr. Toshan Meenpal**, Associate Professor, ECE, and **Dr. Madhukrishna Priyadarshini**, Assistant Professor, CSE, along with other dignitaries, faculty members, staff, and students.

Dr. Priyadarshini highlighted the significance of the program and its theme, and stated that women contribute equally to shaping the nation's future, and beautifully expressed that when a woman learns, the entire family learns, and when a woman rises, the whole society rises. **Dr. Meenpal** remarked that the program was not merely about extending greetings on Women’s Day but also about remembering and recognizing women's historical contributions. **Prof. Rao** congratulated the IKS Centre on organizing such an important program that highlights women's contributions. He spoke about the great women scholars of history as well as the powerful women of the present, appreciating their extraordinary strength and contribution to the nation. **Dr. Sharma** referred to great women scholars such as Gargi, who demonstrated profound knowledge of Brahma-Vidya and even challenged sages like Yajnavalkya. She encouraged modern women to learn from these examples and study the lives of such scholars so that future generations can also understand their contributions. **Mrs. Rao** said that the day reminds us that every day is Women’s Day, and women can celebrate their excellence every day. **Dr. Gupta** highlighted that women held a significant position in Vedic society, often serving as political advisors and moral thinkers, influencing decisions and social structures through their wisdom and leadership. **Dr. Sharma** stated that from ancient times to the present day, women have made vital contributions to society.

The objective of the Women’s Day celebration was to highlight the intellectual and social roles of women in the Indian knowledge tradition and to encourage academic dialogue among students and faculty. The program concluded with a Vote of Thanks delivered by **Dr. Meena Murmu**, Associate Professor, CE.

NIT Raipur Celebrated National Science Day

NIT Raipur organized National Science Day on 28th Feb. 2026 under the theme **Women in Science: Catalysing Viksit Bharat**. The program was conducted in collaboration with the **Indian Society of Remote Sensing (ISRS)-Raipur Chapter**. The Chief Patron of the event was **Prof. N. V. Ramana Rao**,

Director, NIT Raipur, and **Mrs. N. Jyoti** was also present. **Ms. Satovisha Samajdar**, *IFS Officer*, was the *Chief Guest*. The keynote speakers for the program were **Dr. Prarthana Khare**, *MBBS, MD*, and **Ms. Sonam Maheshwari**, *Co-founder, Constructivist*. The organizing committee was led by **Dr. A. D. Prasad**, *President of ISRS-Raipur Chapter*, as the *Convener*. The coordinators of the program were **Dr. Alfia Bano**, *Associate Professor, CE*, and **Dr. Md. Khaja Mohiddin**.



Dr. Prasad welcomed the dignitaries and the audience, then introduced the event's theme. He highlighted that National Science Day provides an opportunity to raise awareness of science and strengthen scientific thinking in society. **Ms. Samajdar** stated that in the Indian Forest Service, science is not merely a subject but an integral part of the working system. **Mrs. Jyoti** stated that the home is the first learning centre for children. She stressed the importance of making children environmentally aware, encouraging the use of alternative energy sources, and developing healthy habits. **Prof. Rao**, in his address, remarked that, in remembering the scientific contributions of Sir C. V. Raman, this day honours the achievements of great scientists. **Dr. Khare** highlighted the unequal treatment faced by women in Indian society and motivated students to challenge social stereotypes and support gender equality. **Ms. Maheshwari** elaborated on the concept of *Viksit Bharat*, stating that India's overall and sustainable development requires the active participation of women. During the program, special discussions were held on the role of women in science and innovation, empowerment, and their contribution toward achieving the vision of *Viksit Bharat 2047*. At the end, the Vote of Thanks was delivered by **Dr. Bano**. The event proved to be inspiring and informative for all participants.

NIT Raipur Celebrated National Mathematics Day



NIT Raipur celebrated **National Mathematics Day** on 22nd Dec. 2025 to mark the 138th birth anniversary of the great mathematician **Shri Srinivasa Ramanujan**. The programme was organized by the **Department of Mathematics**, in collaboration with the **Chhattisgarh Council of Science and Technology** and the **National Council for Science and Technology Communication, Government of India**. The event was held under the patronage of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, and **Dr. Satyanarayana Volala**, *Associate Professor, CSE, IIIT Naya Raipur*, as the *Chief Guest*. The Organizing Chair was **Dr. S. K. Samanta**, *HoD Mathematics*, while **Dr. S.N. Raw**, *Associate Professor, DoM*, **Dr. N.K. Mehar**, *Assistant Professor, DoM*, and **Dr. R. K. Das**, *Assistant Professors, DoM*, served as the Organizing Secretaries. Faculty members, school students, and participants were also present on the occasion.

In the opening address, **Dr. Raw** recalled the extraordinary contributions of Srinivasa Ramanujan and emphasized that the day inspired everyone to carry forward his rich legacy. **Dr. Samanta** highlighted the importance of mathematical thinking in analysis and innovation in today's rapidly changing world. **Dr. Mehar** stated that mathematics is not merely a subject but a powerful tool for problem-solving and innovation.

In his address, **Prof. Rao** described Srinivasa Ramanujan as a self-taught genius who, despite having no formal training, made remarkable contributions to number theory and infinite series. **Dr. Volala**, the *Chief Guest*, remarked that **National Mathematics Day** is celebrated not just because Ramanujan solved equations, but also because he transformed humanity's dreams. He encouraged students to overcome their fear of mathematics and view it not merely as a subject, but as a game and an art. The inaugural session concluded with a Vote of Thanks proposed by **Dr. Das**.

After this, various competitions, such as a poster exhibition, a debate, and a quiz, along with lecture sessions, were organized throughout the day. The closing ceremony was graced by **Prof. Shubhrata Gupta**, *Dean Academics*, as the *Guest of Honour* and **Prof. Vishnu Agrawal**, *MNNIT Allahabad*, as the *Chief Guest*. In her address, **Dr. Gupta** recalled the contributions of ancient Indian mathematicians and noted that India has always been home to great mathematicians such as *Aryabhata*, *Srinivasa Ramanujan*, and *Shakuntala Devi*, a matter of immense pride for all of us. **Prof. Agrawal** appealed to everyone not to consider mathematics as a difficult subject, emphasizing that mathematics is present in every aspect of our lives and should be enjoyed. Towards the end of the programme, the winners of various competitions were announced, and the grand event concluded on a successful note.

NIT Raipur Organized Lecture Session on Architecture, Engineering and Technology in India's Knowledge Tradition



Indian Knowledge Systems (IKS) Study Circle, NIT Raipur successfully organized a lecture-discussion session titled **Architecture, Engineering, and Technology in India's Knowledge Tradition** on 27th Jan. 2026. The objective of the session was to understand the fundamental principles embedded in India's traditional knowledge of architecture, engineering, and technology and to highlight their relevance in contemporary contexts.

The *Chief Guest* and *Keynote Speaker* of the session was **Mr. Shashank Sharma**, *Chairman, Chhattisgarh Sahitya Academy*. The programme was graced by the presence of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Mr. Sanjay Tiwari**, thinker and journalist, faculty members, and students. The event was organized under the guidance of **Dr. Toshan Meenpal**, *Chairman, Indian Knowledge Systems (IKS) Centre, NIT Raipur*, and coordinated by **Dr. Chandan Kumar Singh**, *Coordinator, IKS Study Circle, NIT Raipur*.

The programme commenced with the rendition of Vande Mataram. In his address, **Prof. Rao** emphasized the significance of India's knowledge tradition, stating that Indian philosophy offers a balanced and holistic perspective on all aspects of life. He highlighted that Indian philosophical values provide direction to ethical and social life. In his address, **Mr. Tiwari** underscored the depth of Indian culture through a patriotic song, describing India, the land that gave the world the concept of zero, as a long-standing guiding force for global thought. He emphasized the nation's unique strengths, which historically attracted foreign powers, and urged everyone to take pride in its rich heritage.

In his keynote address, **Mr. Sharma** highlighted the significance of Indian history, the Upanishads, and the rich Indian knowledge tradition. He noted that centuries of foreign rule had pushed these ancient systems to the brink of obscurity. Emphasizing the role of youth, he encouraged students to explore Indian knowledge traditions, study ancient texts, and engage deeply with cultural heritage to contribute meaningfully to the vision of a self-reliant India by 2047. He

also stressed that Indian civilization should not be assessed solely through a European lens and urged students to pursue new research directions while actively contributing to nation-building.

The programme concluded with a feedback session, presentation of mementos, and a Vote of Thanks by **Dr. Chandan Kumar Singh**, *Assistant Professor, CE*, marking the successful conclusion of the session.

NIT Raipur Organized DAE – C.V. Raman Lecture Series



NIT Raipur, in collaboration with the **Indian Physics Association**, under the Viksit Bharat Abhiyan, organized the DAE-C.V. Raman Lecture Series on 10th Mar. 2026. The *Chief Patron* of the program was **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*. The program featured distinguished speakers, including **Prof. Avinash Chandra Pandey**, *Director, Inter-University Accelerator Centre, New Delhi*, **Prof. O. S. K. S. Shastri**, *Department of Physics and Astronomical Sciences, Central University of Himachal Pradesh, Dharamshala*, and **Dr. Archana Sharma**, *ANRF Prime Minister Professor, NIT Raipur*, as keynote speakers.

At the beginning of the program, **Dr. Ayush Khare**, *Chief Coordinator*, welcomed all the guests. **Prof. Rao** laid the foundation for the session by linking classical mechanics and Newtonian physics to aerospace engineering, while noting that electromagnetism drives modern motors and microchips. Building on this, **Prof. Pandey** delved into the intricacies of spectrometry and radiation impacts before transitioning into high-level quantum topics. His lecture covered Raman spectroscopy of graphene, semiconductors, and quantum tunnelling, and ultimately focused on the future of computing through qubits, quantum parallelism, and India's National Quantum Mission.

Prof. Shastri shifted the focus toward the intersection of computer science and physics, explaining the core architecture of neural networks and the necessity of prompt engineering. He uniquely bridged these fields by linking neural network functions with quantum mechanics, specifically discussing wave function reconstruction and energy eigenvalues. His presentation concluded with a forward-looking discussion of agentic AI, highlighting its potential as a transformative tool for solving complex research problems. **Dr. Sharma** provided a comprehensive overview of the electromagnetic spectrum, focusing on the practical push-and-pull of electromagnetic

forces. She detailed the working principles of particle accelerators, including field and photoemission, and highlighted the industrial utility of electron beam welding. Her address underscored the critical role these technologies play in high-stakes fields such as nuclear forensics, cancer management, and the global industrial accelerator business.

NIT Raipur Hosted Inaugural Lecture under Viksit Bharat Lecture Series



NIT Raipur organized the **Inaugural Lecture of the Viksit Bharat Lecture Series**, an institutional initiative to foster informed dialogue on India's vision of becoming a developed nation. The distinguished lecture was held on 2nd Feb. 2026 and was attended by faculty members, research scholars, and students.

The keynote lecture was delivered by **Dr. Satyam Priyadarshy**, *CoE-OGE and Visiting Chair Professor at IIT Bombay*. She addressed the audience on the topic **The Need for Adopting Exponential Technologies for Growth and Viksit Bharat Current State, Challenges, and the Path Forward**. The event was graced by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Prof. Samir Bajpai**, *Head, CDC, NIT Raipur*, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Dr. A. K. Poonia**, *Professor, DCE*, **Dr. Anamika Yadav**, *Professor, EE*, **Dr. Tripti Swarnkar**, *HoD MCA*, **Dr. Ramya Selvaraj**, *Assistant Professor, EE*, **Dr. Chilaka Ranga**, *Assistant Professor, EE*, other faculty members, Ph.D. and M.Tech research scholars and students.

In his address, **Dr. Priyadarshy** highlighted the transformative potential of exponential technologies, such as artificial intelligence, quantum computing, and data-driven decision-making, to accelerate national growth and innovation. The event concluded with an interactive session in which participants engaged in meaningful discussions with the speaker.

NIT Raipur Hosts ADB for Transforming Higher Education and Research for Industry Value Enhancement Research and Innovation Park

NIT Raipur hosted a delegation from the **Asian Development Bank (ADB)** on 11th Feb. 2026 for a due diligence visit regarding the proposed **ADB - THRIVE (Asian Development Bank - Transforming Higher**

Education and Research for Industry Value Enhancement) Research and Innovation Park. The ADB team comprised **Ms. Rayhalda Susulan**, *Senior Safeguards Officer (Social), Asian Development Bank (ADB)*, **Ms. Tamosi Bhattacharya**, *Associate Environment Officer, Asian Development Bank (ADB)*, and **Mr. Shreeniwas Verma**, *CEO, Engineering Technological Services*. The interaction session was graced by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Dr. G. P. S. C. Mishra**, *Dean (R&C), NIT Raipur*, **Prof. Samir Bajpai**, *Head, CDC, NIT Raipur*, along with Deans, faculty members, Section Heads, officials, and stakeholders.



The visit was part of ADB's assessment of environmental safeguards, gender inclusion, social impact, and institutional preparedness under the THRIVE program. Welcoming the delegation, **Prof. Rao** outlined NIT Raipur's vision of fostering research excellence and interdisciplinary innovation and emphasized the institute's commitment to creating a robust ecosystem that supports startups, incubation initiatives, and industry-linked research.

A comprehensive presentation was delivered outlining NIT Raipur's research infrastructure, industry partnerships, placement and internship statistics, startup and incubation support systems, seed grants, CSR initiatives, alumni network, and ongoing outreach programs. The ADB team subsequently undertook a site visit to the proposed location of the Research and Innovation Park and inspected classrooms, laboratories, research facilities, incubation spaces and campus amenities.

NIT Raipur Hosts BIS Sectional Committee Meeting and Seminar on Steel Tube Sector



NIT Raipur served as a significant venue for hosting the **Sectional Committee Meeting of the Metallurgical Department (MTD 19) of the Bureau of Indian Standards (BIS), New Delhi**, as an MoU partner institution. The meeting marked an important milestone in strengthening collaboration between BIS and premier technical institutions in advancing standardization activities in the metallurgical sector.

Following the successful conduct of the committee meeting, a seminar on **Technological Advancement & Standardization in Steel Tubes Sector** was organized on 18th Feb. 2026 at HIRA Hall, NIT Raipur, which was coordinated by **Prof. J. Anand Kumar**, *Nodal Officer, BIS, NIT Raipur*, and **Dr. R. K. Sahu**, *BIS Coordinator, NIT Raipur*. The program saw active participation from students, research scholars, and faculty across multiple engineering departments. It began with a welcome address by **Prof. J. Anand Kumar**, emphasizing the importance of collaboration between academia and standardization bodies. Expert-led technical sessions from BIS and industry offered key insights into advancements and challenges in the steel sector.

Shri Ashok Vishwakarma, *Vice President, Quality, APL APOLLO Building Products Ltd.*, delivered an expert talk on **Growth & Sustainability Towards Green Steel**, emphasizing sustainable practices and future directions in green steel production. **Dr. B. D. Duari**, *Director, Lalita Infraprojects Pvt. Ltd.*, presented on **Aboveground and Underground Corrosion of Water Pipelines and its Mitigation**, highlighting key infrastructure challenges and practical solutions. **Shri Ajay Kumar Soni**, *Scientist C and Member Secretary, MTD 19, Bureau of Indian Standards*, delivered an insightful session titled Overview of BIS and Standardization in Steel Tube Sector, elaborating on standard formulation, quality assurance mechanisms, and the role of compliance in industrial growth. The event concluded with a Vote of Thanks, reaffirming NIT Raipur's commitment as an MoU partner institution of BIS.

One-Day Orientation Program for BIS Student Chapters Organized at NIT Raipur



NIT Raipur successfully organized a One-Day Orientation Program for BIS Student Chapters on 28th Jan. 2026. The program was jointly organized by the DCE, CE, EE, ME, and MME departments of NIT Raipur in collaboration with the **Bureau of Indian Standards (BIS)**, Government of India.

The inaugural session was graced by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, as the *Chief Patron*. **Dr. Alok Kumar Sahu**, *Principal Director and Head, CIPET Raipur*, and **Mr. Phalendra Kumar**, *Scientist-D and Joint Director, BIS Raipur*, attended as *Guests of Honour*. The programme was also attended by **Prof. S. Sanyal**, *Dean, (CR&RM), NIT Raipur*, along with other HoDs, faculty members, research

scholars, BIS officials, and a large number of undergraduate and postgraduate students.

In his inaugural address, **Prof. Rao** emphasized the importance of standards in ensuring safety, quality, and sustainability in engineering systems and appreciated the BIS Student Chapter initiative for connecting education with industry and national development. **Dr. Sahu** highlighted the growing relevance of standardization in modern manufacturing and encouraged students to participate in BIS activities to enhance professional competence. **Mr. Kumar** explained BIS's national role and described how BIS Student Chapters enable students to contribute to standardization through pre-standardization studies, case studies, and outreach programmes.

The technical sessions were conducted by **Mr. Kumar**, and **Mr. Deepak Kumar Sahu**, *Scientist-B and Assistant Director, BIS Raipur*, who provided insights into BIS Student Chapter activities and the process of formulating and implementing standards in industries. The programme also featured an industry lecture by **Mr. Bibhuti Bhushan Pradhan**, *Mivaan Steels Ltd., Chhattisgarh*, who discussed the importance of standards in quality assurance, safety, and compliance in manufacturing. The event concluded with a valedictory session, student feedback, and felicitation of the expert speakers, marking an important step in strengthening BIS Student Chapter activities at NIT Raipur.

The program concluded with a Vote of thanks, expressing sincere gratitude to **Dr. J. Anand Kumar**, *Nodal Officer (BIS), NIT Raipur*, and **Dr. Raj Kumar Sahu**, *BIS Coordinator, NIT Raipur*, along with the Student Chapter mentors, **Dr. A. D. Prasad**, *Assistant Professor, CE*, **Dr. Shashi Kant Verma**, *Assistant Professor, ME*, **Dr. Bhargavi Rani Anne**, *Assistant Professor, MME*, **Dr. Chandradwaj Nayak**, *Assistant Professor, DCE*, and **Dr. Surajit Sannigrahi**, *Assistant Professor, EE*, for their dedicated efforts in successfully organizing the one-day orientation program within a short span of time.

Hon'ble NCST Member Dr. Asha Lakra Reviews Tribal Welfare at NIT Raipur



Dr. Asha Lakra, *Hon'ble Member of the National Commission for Scheduled Tribes (NCST)*, chaired a key

meeting at NIT Raipur on 28th Jan. 2026 to assess welfare measures for Scheduled Tribe (ST) employees and students. Key attendees at the meeting included **Mr. P.K. Das**, Assistant Director, NCST, **Prof. N.V. Ramana Rao**, Director, NIT Raipur, **Dr. Mithilesh Atulkar**, Registrar (I/C), SC/ST Liaison Officer, and other senior officials.

Dr. Lakra met ST students and employees to discuss welfare schemes, challenges, and various initiatives. She commended the institute's efforts in implementing various schemes, such as the National Scholarship Portal and the adoption of villages under the Unnat Bharat Abhiyan Scheme, aimed at the upliftment of the community through their effective delivery and impact on the ground. Furthermore, **Dr. Lakra** urged the institute to submit proposal over Central Assistance for ST hostels and other issues, assuring to forward them to relevant Union Ministries. The meeting concluded with the **Dr. Atulkar** extending his gratitude to **Dr. Lakra** for her insightful review.

NIT Raipur Triumphs as Overall Champions at Inter-NIT Faculty & Staff Tournament 2025



NIT Raipur secured the Overall Championship at the Inter-NIT Faculty and Staff Tournament 2025 by outperforming 26 other NITs at the All-NIT Sports Meet held at NIT Jalandhar from 25th to 27th Dec. 2025. A 25-member faculty and staff contingent demonstrated remarkable skill and teamwork across all disciplines. The institute's dominance was particularly evident in Table Tennis, where **Dr. Sayon Pramanik**, Assistant Professor, DAP, and **Prof. Shirish V. Deo**, Professor, CE, secured the 1st and 2nd positions respectively, in the Men's Singles event. They also clinched 1st place in the Men's Team event, along with **Dr. Sandeep Chouksey**, Assistant Professor, CE, **Dr. Dharm Pal**, Associate Professor, DCE, and **Dr. H. K. Narang**, Associate Professor, ME. Further victories in Table Tennis included 1st place in Mixed Doubles by **Dr. Pramanik** and **Dr. Alfia Bano**, Assistant Professor, CE, and 1st place in Women's Doubles by **Dr. Neha Gupta**, Assistant Professor, MME, and **Dr. Bano**. In chess, the team comprising **Dr. Rupesh Kumar Dewang**, Associate Professor, IT, **Mr. Vikas Sharma**, **Mr. Krishan Kumar**, **Mr. Kapil Lambora**, and **Dr. G. Srinivasu**, Associate Professor, ME, secured the 3rd position in the Team Event, with **Mr. Sharma** and **Dr. Dewang** also earning individual board prizes. The Badminton team further

bolstered the institute's standing, with **Dr. Meena Murmu**, Associate Professor, CE, and **Dharmendra Pandey**, Technical Assistant, taking 1st position in Mixed Doubles. Additionally, the institute secured 2nd position in both the Women's Doubles event, represented by **Dr. Sonal Yadav**, Assistant Professor, CSE, and **Dr. Chetna Sharma Rajput**, Assistant Professor, DHSS, and the Women's Singles event by **Dr. Murmu**. Ultimately, this victory reflects NIT Raipur's deep-rooted commitment to promote holistic development, wellness, and community engagement among its faculty and staff.

NIT Raipur Organised Design for Bharat Youth Innovation Challenge 2026



NIT Raipur organised a jury session for the **Design for Bharat Youth Innovation Challenge 2026** as part of the **Viksit Bharat Young Leaders Dialogue 2026**. The theme for this year's challenge was Duality (*Dwividhta*). The jury panel comprised academicians and industry experts, including **Dr. D. Sanyal**, HoD, DAP, **Dr. Shirish V. Deo**, Professor, CE, **Dr. A. K. Verma**, Dean, College of Agricultural Engineering, **Ar. Anurag Rathi**, Industry Expert, and **Dr. Shruti S. Nagdeve**, Nodal Officer, Design for Bharat, NIT Raipur.

A total of 12 teams from various educational institutions across Chhattisgarh presented their innovative ideas during the session. The proposals addressed key thematic areas such as agriculture, sustainability, and health. The winning teams will represent Chhattisgarh at the next level of the competition. The selected team may also receive an opportunity to showcase their ideas in Delhi at the **Viksit Bharat Young Leaders Dialogue 2026**. The announcement of winners and an exhibition under the **Design for Bharat-Youth Innovation Challenge 2026** was organised on 24th Dec. 2025. The event was graced by the presence of **Shri Arpit Tiwari**, State Director (In-Charge), My Bharat, as the Chief Guest, and **Prof. Samir Bajpai**, Director (In-Charge), NIT Raipur, as the Guest of Honour. Faculty members and participants were also present at the program, which was coordinated by **Dr. Shruti S. Nagdeve**, Nodal Officer, Design for Bharat, NIT Raipur.

In his address, **Prof. Bajpai** stated that the programme has been specially designed for young innovators to enable them to understand problems from a fresh perspective and develop effective solutions. **Shri Tiwari** appreciated the enthusiasm and participation of young innovators on such a platform,

noting that it fosters diverse and impactful ideas. The programme continued with the announcement and felicitation of the winners, wherein *REanalyse* (NIT Raipur), *BioExtreme* (NIT Raipur), and *Oshowott* (GEC Raipur) were honoured for their innovative contributions.

NIT Raipur Hosted Climatathon in Collaboration with UNICEF.



Department of Biomedical Engineering, NIT Raipur and I-Cell, in partnership with UNICEF, organised Climatathon on 14th and 15th Mar. 2026. The inauguration event witnessed the presence of **Prof. Samir Bajpai**, Head, CDC, NIT Raipur, **Dr. Arindam Bit**, HoD, BME, **Dr. Saurabh Gupta**, PI of Climate-Resilient Health Infrastructure, Youth Engagement for Climate Action, and Solar Facility Monitoring in Healthcare Facilities in Chhattisgarh project, **Ms. Sweta Patnaik**, Senior WASH Specialist, UNICEF, **Mr. Vishal Washwani**, Disaster Risk Reduction Officer, UNICEF, and other representatives from UNICEF. The event also featured distinguished judges, including **Mr. Sudhanshu Mittal**, Head and Director of Technical Solutions at NASSCOM, **Mr. Suhail Mir**, a development practitioner with extensive experience in climate resilience and renewable energy programs, and **Mr. Yusuf Kabir**, Programme Specialist, Climate and Environment at UNICEF India.

In welcoming the gathering, **Dr. Gupta** and **Prof. Bajpai** emphasized the significance of this collaboration, noting that the event aligns with the emerging competencies needed to tackle global environmental challenges. Representing UNICEF, **Ms. Patnaik** highlighted that a core objective of the initiative is to empower youth by providing them with mentors across diverse domains, ensuring that student-led solutions are both impactful and practical for real-world climate issues. Providing an overview of the competition, **Mr. Ojha**, Climate, Environment, Energy, and Water Coordinator at UNICEF Chhattisgarh and an alumnus of NIT Raipur, informed that out of 120 initial participants, 14 shortlisted teams presented technology-driven strategies for climate resilience.

The event, overseen by a distinguished panel of judges from NASSCOM and UNICEF, concluded with the announcement of several winning teams, including SustainX AI, EchoByte, and RoboSapiens, Ecosix, God's Plan, Greta Thunberg, Stable World, Luminova. **Mr. Ojha** commended the finalists' innovative spirit, which focused on sustainable development and environmental monitoring. To bridge the gap between academic innovation and professional application, the winning

teams were awarded internship opportunities with UNICEF, providing them a direct pathway to further refine their solutions and gain practical experience in the climate sector.

NIT Raipur Organized A Workshop on ScienceDirect AI (LeapSpace) in Collaboration with Elsevier



Central Library, NIT Raipur organized a workshop titled **Onboarding LeapSpace: From Curiosity to Confident Discovery with Research AI** on 27th Feb. 2026. The workshop, conducted in collaboration with *Elsevier*, aimed to promote the effective use of advanced AI-based research tools, such as **ScienceDirect AI (LeapSpace)**. The workshop was inaugurated by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, in the presence of **Prof. N. D. Londhe**, Registrar, NIT Raipur, **Dr. Arvind Sinha**, Chairman, Library Committee, **Mr. Nitin Rawat**, Regional Director-Research, APAC, Elsevier. The workshop was coordinated by **Dr. S.K. Satpathy**, Dy. Librarian & Head, Central Library, NIT Raipur, **Mr. A.K. Sharma**, Assistant Librarian, Central Library, NIT Raipur, and **Dr. Neelam Soni**, Assistant Librarian, Central Library, NIT Raipur. The Resource persons of the workshop were **Dr. Nitin Ghoshal**, Customer Success Manager, South Asia, and **Mr. Amit Srivastava**, Senior Account Manager, Research, APAC, from Elsevier. More than 200 research scholars and faculty members attended the workshop.

Dr. Satpathy highlighted the Central Library's diverse e-resources and facilities, emphasizing their vital role in supporting quality learning and research. **Prof. Rao** emphasized how AI can assist students in literature reviews, summarization, and research-level evidence-based analysis. **Mr. Rawat** has appreciated the Central Library's e-resource collection development policy since 2013 and its long-standing collaboration with Elsevier, expressing hope for continued partnership. **Prof. Londhe** advised attendees to use AI responsibly, noting that while AI has many benefits, it also has limitations, and careful usage is essential for productive outcomes. **Dr. Ghoshal**, the resource person, conducted a live demonstration of ScienceDirect AI (LeapSpace), enabling participants to learn its practical applications. The speakers explained that AI-powered tools play a crucial role in making research faster, more efficient, and higher-quality. NIT Raipur is the first and only institution in Chhattisgarh to provide

access to ScienceDirect AI (LeapSpace) to its students, researchers, and faculty members. A quiz competition was also organized during the program, and winners received attractive prizes sponsored by Elsevier. The workshop concluded with a Vote of Thanks by **Prof. Sinha**, who expressed gratitude to the Elsevier team, faculty members, researchers, and students for their active participation and support.

NIT Raipur Organized Symposium under Sexual Harassment Prevention Week 2025



In observance of **Sexual Harassment Prevention Week** (10–17 December 2025), the **Internal Complaints Committee of NIT Raipur** organized a series of events to promote awareness and sensitization across the institute. These included an essay-writing competition, poster-making, a photography competition, and a symposium on women's harassment prevention.

The program was held under the patronage of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*. The event was graced by the presence of **Prof. Sadhana Agrawal**, *Chairperson, ICC, NIT Raipur*. The Chief Guest of the seminar was **Dr. Vinita Singh**, *Professor and in-Charge of the Fetal Medicine Unit, Department of Obstetrics and Gynaecology, AIIMS Raipur*. The distinguished guest was **Mrs. Aradhana Choubey**, *Former Principal District and Sessions Judge*. **Mrs. Jyoti Naraparaju**, *Aashirwad (NIT Ladies Social Committee)*, attended the program as the *Guest of Honour*. The seminar was organized under the guidance of **Prof. Shubhrata Gupta**, *Dean Academics*, and **Dr. Swasti Sthapak**, *Conveners, ICC*, and coordinated by **Prof. Priyanka Tripathi**, *Professor, MCA*, and **Dr. Mridu Sahu**, *Assistant Professor, IT*.

In her address, **Prof. Agrawal** emphasized the need for sustained awareness regarding sexual harassment and highlighted that several online activities, including poster and drawing competitions, were organized throughout the week. She reiterated the institute's zero-tolerance policy towards sexual harassment at the workplace. Following this, **Mrs. Choubey** spoke about the role of awareness in society and emphasized that the law is impartial and that every complaint must be addressed through prompt and fair action. In her keynote address, **Dr. Singh** shed light on the medical and psychological aspects of sexual harassment and explained that sexual harassment impacts individuals not only physically but

also deeply affects mental health. She also pointed out that, in certain cases, men can be victims as well. Additionally, she spoke in detail about women's health, personal hygiene, safe practices, cervical cancer awareness, HPV vaccination, healthy lifestyles, regular exercise, and the importance of periodic health check-ups. Subsequently, **Mrs. Naraparaju** shared her views and congratulated the organizers for the initiative. She emphasized the importance of instilling in children, from an early age, the values of respect, appropriate behaviour, and an understanding of good touch and bad touch. The first session concluded with a Vote of Thanks delivered by **Dr. Swasti Sthapak**, *Convenor, ICC*.

The second session of the programme was further enriched by expert lectures delivered by distinguished speakers. **Dr. Varun Anand**, *Additional Professor of Paediatric Emergency Medicine at AIIMS Raipur*, highlighted key aspects of child Health and Nutrition. **Dr. Surbhi Dubey**, *Associate Professor, Department of Psychiatry, Pt. Jawaharlal Nehru Memorial Medical College, Raipur*, shared her insights on crucial topics, including women's mental health, workplace stress, and work-life balance. In addition, **Dr. Nivedita Chaubey**, a *Paediatrician and Visiting Consultant at Government Ayurvedic College, Raipur*, shared her practical experiences in childcare and nutrition. This was followed by an interactive question-and-answer session, during which the experts addressed participants' queries with great clarity and sensitivity. At last, **Dr. Sahu** gave a Vote of Thanks.

NIT Raipur Organized Breast Cancer Awareness Camp in Collaboration with The Dear Foundation, Switzerland



NIT Raipur, in collaboration with **The Dear Foundation, Switzerland**, successfully organized a **Breast Cancer Awareness Camp** on 10th Feb. 2026. The initiative aimed to promote health awareness, encourage early detection, and disseminate vital information on preventive care, thereby empowering the community with life-saving knowledge. The programme was graced by the presence of **Prof. Samir Bajpai**, *Director (I/C), NIT Raipur*, **Ms. Sonja Dinner**, *President, The Dear Foundation*, **Ms. Sevim Araz**, *Chief Executive Officer, The Dear Foundation*, **Dr. Ajay Bhatnagar**, *Scientific Advisor, The Dear Foundation*, and **Dr. Saurabh Tiwari**, *Medical Oncologist, BALCO Cancer*

Centre, Nawa Raipur CG along with **Ms. Jyoti Ramana Rao**, **Prof. N. D. Londhe**, Registrar, NIT Raipur, **Prof. Sudhakar Pandey**, Chairperson, Healthcare Advisory Committee, NIT Raipur, **Dr. Anoop Kumar Tiwari**, Associate Professor, DHSS & Chairman, Cancer Awareness Camp Organizing Committee, **Dr. Mridu Sahu**, Assistant Professor, IT & Programme Coordinator, faculty members, and students were also present.

Dr. Tiwari welcomed the dignitaries and outlined The Dear Foundation's vision and objectives. Addressing the gathering, **Prof. Bajpai** underscored the importance of preventive healthcare and open discussions around health issues in India. He expressed his appreciation to all collaborators for the meaningful initiative. **Ms. Dinner** emphasized that despite breast cancer being largely preventable through early detection, many women in India lose their lives due to a lack of awareness. **Dr. Bhatnagar** explained that a free mobile application has been developed to help women learn how to perform self-examinations at home.

He advised vigilance towards symptoms such as lumps or hard swellings. **Dr. Tiwari** emphasized that women play a central role in family and society, making breast cancer a collective concern. He pointed out that the key challenge lies not in the availability of treatment but in awareness. The programme concluded with an interactive feedback session, during which participants actively engaged with the experts and received comprehensive answers to their queries. The event formally concluded with a Vote of Thanks delivered by **Dr. Sahu**.

NIT Raipur Organized Seminar on How to Manage Anger and Stress in the Family



Department of Humanities and Social Sciences (DHSS), NIT Raipur organized a one-day seminar titled **How to Manage Anger and Stress in the Family** on 2nd Jan. 2026. In alignment with the Ministry of Education's objective of fostering mental health and emotional resilience in higher education, the Institute launched this initiative through its Mental and Emotional Health Support Program. The program was attended by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, and **Prof. Samir Bajpai**, Head, DHSS, as Chief Guests, with keynote speaker **Dr. Hina Chawda**, Psychological Counsellor, NIT Raipur, addressing a diverse group of faculty, staff, and sanitation workers.

In his address, **Prof. Rao** emphasized that emotional balance is essential for productivity and quality of life. He stressed that physical and mental health must be top priorities, noting that while financial losses can be recovered, the loss of health is irreparable. He further cautioned that uncontrolled anger impairs decision-making, whereas managing stress in family and workplace settings enables individuals to make constructive choices even in difficult situations.

Keynote speaker **Dr. Chawda** highlighted the importance of understanding anger, distinguishing it from scolding, which is meant to correct mistakes rather than vent frustration. She noted that family stress often stems from a lack of mutual understanding and can be mitigated through patience and open communication. Referencing the author A. Nagaraj, she explained that anger is the expression of one's own incapacity, reflecting a failure to explain things effectively to others. To address the rising academic pressure on children, she recommended using games, friendly dialogue, and professional counselling.

Sharing his perspective, **Prof. Bajpai** described anger as a natural response to feeling helpless. He stressed the importance of handling situations effectively by calmly assessing circumstances rather than reacting impulsively. The seminar concluded as a significant step toward raising mental health awareness, strengthening family bonds, and enhancing the overall workplace culture at NIT Raipur.

Educational Visit to NIT Raipur under PM Shri Scheme

NIT Raipur welcomed the students of *PM Shri Kendriya Vidyalaya, Rajnandgaon, Chhattisgarh*, for an educational visit on 12th and 13th Jan. 2026 under the PM Shri Scheme. The visit aimed to familiarise students with the academic environment, technical facilities, and various laboratories of the institute, thereby encouraging curiosity and providing valuable exposure to higher education opportunities. During the visit, faculty members, staff, and students of NIT Raipur interacted with the visiting students, making the experience insightful, engaging, and inspiring for the young learners.

NIT Raipur Hosted Educational Visit for JNV Dongargarh Students

NIT Raipur welcomed 320 students from *Jawahar Navodaya Vidyalaya, Dongargarh, Chhattisgarh*, for an educational visit conducted on 17th and 19th Dec. 2025. The visit was organized to familiarize students with the institute's academic environment, state-of-the-art technical facilities, and various laboratories, thereby fostering curiosity and providing valuable exposure to higher education opportunities.

During the visit, faculty members, staff, and students of NIT Raipur actively interacted with the visiting students, offering

insights into academic programs, research activities, and campus life. The interactive sessions and guided tours made the experience both informative and inspiring for the young learners, motivating them to aspire towards higher education and technical excellence.

NIT Raipur Bids Farewell to Dr. Sadhana Agrawal on her Retirement

NIT Raipur extended heartfelt gratitude to its retired faculty member, **Prof. Sadhana Agrawal**, *Professor, DoP*. Her dedication, hard work, and simplicity are a fitting tribute as she bids a respectful farewell to a new journey. A retirement ceremony was organized to honor her distinguished career and invaluable contributions to the academic and administrative growth of the institute, with her sincerity, dedication, and simplicity leaving a lasting impression on colleagues and students alike.

NIT Raipur Organized an event of School Students' Visit under Scientific Social Responsibility (SSR) Scheme of ANRF, Govt. of India.



Department of Electronics and Communication Engineering (ECE), NIT Raipur successfully organized a one-day event in which 25 school students from remote areas of Chhattisgarh visited the department's laboratories and academic blocks on 6th March 2026. The program was organized under the **Scientific Social Responsibility (SSR) Scheme of Anusandhan National Research Foundation (ANRF)**. **Dr. Debora Muchahary**, *PI* of the project, expressed that the event was conducted for the students of *Government Higher Secondary School, Sankara, Patan*, under the Durg district of Chhattisgarh with the objective of encouraging young minds to explore science, technology, and research activities.

The visit provided students of classes 7th, 8th, and 9th of the school with an opportunity to experience the academic environment and research facilities available at NIT Raipur. The event was also graced by **Dr. Ajay Singh Raghuvanshi**, *Associate Professor, ECE*, who delivered the inaugural

address, mentioning the different areas of study in Electronics and Communication.

NITRRFIE

NITRRFIE Hosted Startup Capital Connect Workshop on National Startup Day



Foundation for Innovation and Entrepreneurship (NITRRFIE), NIT Raipur in collaboration with the *Indian Institute of Management Calcutta Innovation Park (IIMCIP)*, organized the **Startup Capital Connect Workshop** on 16th Jan. 2026, at NIT Raipur to mark National Startup Day. The workshop brought together startups, investors, government officials, and industry experts to promote entrepreneurship and facilitate funding opportunities.

The workshop was graced by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Dr. Anuj Kumar Shukla**, *Faculty (I/C), NITRRFIE*, and **Prof. Samir Bajpai**, *Board Director, NITRRFIE*. The sessions also featured **Mr. Soujit Das**, *Senior Manager, IIMCIP*, **Mr. Zulfikar Trivedi**, *Mentor, IIMCIP and CFO, Somerset Indus Capital Partners*, and **Mr. Zubair Khan**, *HDFC Bank*. In their addresses, **Prof. Rao** emphasized the shift from job seekers to job creators and acknowledged the progress under Startup India. **Prof. Londhe** reflected on the institute's journey toward a research-driven innovation ecosystem, while **Dr. Shukla** highlighted the expansion of the incubation network to 47 incubators. **Prof. Bajpai** underscored the institute's commitment to simplifying the entrepreneurial journey in alignment with *Aatmanirbhar Bharat*. The invited experts delivered sessions on startup mentorship, investment readiness, capital planning, funding strategies, and banking solutions to support scalable growth. **Mr. Ram Khandelwal**, *General Manager, District Industries Centre, Government of Chhattisgarh*, highlighted the state's industrial development policy and its strategic advantages for startup growth. **Ms. Preeti Khandelwal** from the Startup Chhattisgarh Team outlined government initiatives encouraging students to address local challenges through innovation. The Vote of Thanks was delivered by **Mr. Pawan Kataria**, *Officer (I/C) NITRRFIE*, who expressed gratitude to all speakers, participants, and partners.

The workshop was coordinated by the NITRRFIE team under the leadership of **Prof. Bajpai** and **Dr. Shukla**. The successful organization reaffirmed NIT Raipur's role as a hub for innovation and entrepreneurship, contributing to the regional and national startup ecosystem.

NIT Raipur hosted Google Cloud AI Labs Workshop



Foundation for Innovation & Entrepreneurship (NITRRFIE), NIT Raipur and Smt. Mithilesh Agrawal Centre of Excellence for Innovation & Entrepreneurship in Engineering & Technology (MACIEET), in collaboration with Vikaasgarh, successfully organized a **Google Cloud Artificial Intelligence (AI) Labs Workshop**, attracting around 300 participants. The workshop was organized under the leadership of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, and coordinated by **Dr. Anuj Kumar Shukla**, *Faculty (I/C), NITRRFIE*, and **Mr. Pawan Kataria**, *Officer (I/C), NITRRFIE*, along with **Ms. Medha Singh**, *CEO, NITRRFIE*, and **Mr. Sunil Dewangan**, *Incubation Manager, NITRRFIE*. The attendees of this impactful workshop included students, startup founders, and technical professionals from across Chhattisgarh.

The workshop was supported by Google Cloud, HackSkill and Startup Grind Raipur, aimed to bridge the gap between academic learning and industry innovation by providing cutting-edge exposure to AI agents, cloud-based AI technologies, and agentic integrated development environments. **Mr. Bhavishya Pandit**, *Google Developer Expert*, and **Mr. Abhishek Sharma**, *Google Developer Expert*, delivered expert sessions combining theoretical foundations with practical insights. Technical sessions covered AI agent architecture, operational frameworks, and security considerations.

The valedictory ceremony was graced by distinguished dignitaries, including **Prof. Samir Bajpai**, *Board Director, NITRRFIE*, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Dr. Ramya Selvaraj**, *Faculty (I/C), IIC*, **Mr. Kataria**, **Mr. Meraj Meer**, *Founder, Vikaasgarh*, and **Ms. Saniya Sheikh**, *COO, Vikaasgarh*. **Prof. Londhe** emphasized the collective effort needed to nurture India's talent through such initiatives. **Prof. Bajpai** affirmed the centre's commitment to empowering youth and guiding them toward professional excellence. **Mr. Kataria** highlighted NITRRFIE's initiatives and shared details about the upcoming MACIEET facility - a dedicated hub for learners to build and scale innovative ideas, backed by the Government of Chhattisgarh, Motilal Oswal Foundation, and NIT Raipur. The event concluded with Mr. Meer expressing gratitude to all stakeholders. Positive participant feedback

highlighted the workshop's relevance, clarity, and practical value in preparing students for an AI-powered future.

Centre of Space & Interplanetary Exploration (COSINE)

NIT Raipur successfully organized an Interaction Session with Group Captain Shri Ajit Krishnan, Gaganyatri (Astronaut)



Centre of Space & Interplanetary Exploration (COSINE), NIT Raipur in association with **Innovation Cell**, organized an inspiring and knowledge-enriching interaction session on 18th Feb. 2026 titled **Gaganyaan** and the **Journey to the Stars**. The *Guest of Honour* and Keynote Speaker of the session were **Grp. Cpt. Ajit Krishnan**, *Astronaut, IAF*.

Dr. Shrish Verma, *Professor (HAG), ECE*, **Dr. Kapil Kumar Soni**, *Member, COSINE*, other esteemed Faculty Members, Research Scholars, and students were present at the program. The Gaganyaan mission is being led by the **Indian Space Research Organization (ISRO)**. Sharing his journey from a fighter pilot to an astronaut-designate, **Grp. Cpt. Krishnan** reflected on his journey from fighter pilot to astronaut-designate, noting that the transition from the cockpit to the cosmos was driven by discipline and dedication. He further added that training for space meant preparing to represent every citizen of the country.

He detailed the rigorous astronaut selection and training process, including comprehensive medical screenings, psychological assessments, endurance trials, survival training, and zero-gravity simulations. Stressing the importance of preparation. He also said that in space missions, there is no room for approximation and that every detail matters. He also noted that the more one prepares on Earth, the safer one is beyond it.

He discussed the physical and psychological challenges of space travel, including the effects of microgravity, prolonged isolation, and high-pressure decision-making. He highlighted the importance of mental strength, teamwork, and trust among crew members during missions. He also explained key aspects of the Gaganyaan mission, including the Human-Rated LVM3 launch vehicle and safety systems developed in collaboration with ISRO, the Indian Air Force, and DRDO, motivating students to pursue innovation and contribute to India's space program.

MoUs

NIT Raipur achieved a milestone by signing a Memorandum of Understanding (MoU) with IIRS and ISRO



Centre of Space and Interplanetary Exploration (COSINE), NIT Raipur signed a Memorandum of Understanding (MoU) with Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO) on 10th Feb. 2026 in the esteemed presence of **Prof. N.V. Ramana Rao**, Director, NIT Raipur, **Dr. R. P. Singh**, Director, IIRS, ISRO, Dehradun, **Dr. Himanshu Govil**, Coordinator, COSINE, and key dignitaries from both institutions. This strategic partnership marks an important step toward strengthening academic, research, and technological collaboration between the two institutions in cutting-edge domains of space science and technology. **Dr. H. Govil**, **Dr. Saurabh Gupta**, Head, COSINE, **Prof. Subhashish Sanyal**, Mentor, COSINE, led the coordinated implementation of all collaborative activities under this MoU. The MoU established a comprehensive framework for cooperation to advance knowledge creation, skill development, and innovation in areas of mutual interest. It emphasized collaborative research projects, exchange of faculty members and researchers, joint supervision of postgraduate and doctoral students, and the development of advanced educational programs. Overall, this MoU represented a landmark collaboration that reinforced NIT Raipur's commitment to excellence in space research and education.

NIT Raipur signed an MoU with DIAT Pune for Academic and Research Collaboration

NIT Raipur signed a Memorandum of Understanding with Defence Institute of Advanced Technology (DIAT) Pune on 1st Feb. 2026. The MoU was signed in the presence of **Prof. N. V. Ramana Rao**, Director, NIT Raipur, and **Dr. B. H. V. S. Narayana Murthy**, Vice Chancellor, DIAT Pune. **Prof. Shubhashis Sanyal**, Dean, (CR&RM), NIT Raipur, along with other dignitaries from both institutions, were also present during the signing. During the interaction, the dignitaries

emphasized the importance of institutional partnerships in strengthening research and innovation in emerging technological domains.



Under the agreement, both institutions will facilitate collaborative research projects, joint publications, teaching activities and curriculum development. The partnership will also enable co-supervision of postgraduate and doctoral students and provide mutual access to specialized laboratories, software facilities and research infrastructure. Emerging areas such as Artificial Intelligence, Machine Learning, Cybersecurity, Data Science, Digital Forensics, Internet of Things, Robotics, Renewable Energy and Quantum Computing have been identified for collaborative work. **Dr. Nitesh Kumar Bhardwaj**, Assistant Professor, CSE and **Dr. Sunil Chandel**, Associate Professor, DIAT Pune will coordinate the collaborative activities between NIT Raipur and DIAT Pune. The collaboration is expected to strengthen academic engagement and research output while supporting technological development relevant to national priorities.

NIT Raipur and CII Young Indians Sign MoU for Youth Leadership and Industry Collaboration



NIT Raipur Research and Foundation for Innovation and Entrepreneurship (NITRRFIE) and CII Young Indians (Yi) signed a Memorandum of Understanding (MoU) on 28th Jan. 2026. The MoU was signed by **Prof. Samir Bajpai**, Head, CDC, NIT Raipur & Board Director, NITRRFIE and by **Ms. Priyanka Gwalani**, Yuva Chair, Yi Raipur chapter.

The MoU signing took place under the leadership of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur* and in the presence of Yi leadership, including **Mr. Sanjay Jain**, *Chairman, CII Chhattisgarh*, **Mr. Pankaj Somani**, *Yi Chair, Raipur*, and **Mr. Kavitha Passary**, *Yi Co-Chair, Raipur*. From NIT Raipur, the event was graced with the presence of **Mr. Pawan Kataria**, *Officer (I/C), NITRRFIE*, and **Mrs. Medha Singh**, *CEO, NITRRFIE*.

The collaboration aims to establish a structured framework for nurturing innovation, entrepreneurship, leadership development, and industry readiness among students. Under the terms of the MoU, both parties have agreed to jointly organize academic and co-curricular activities, including leadership talks, workshops, seminars, conclaves, mentoring programs, industrial interactions, and innovation challenges. NIT Raipur Students will actively participate and contribute to initiatives of Yi YUVA thematic Vertical Accessibility, Road Safety, Climate Change, Health, Entrepreneurship, Innovation, Learning, and Sports.

The implementation and coordination of activities under this collaboration will be led by a dedicated team from NIT Raipur and NITRRFIE, comprising **Dr. Anuj Kumar Shukla**, *Faculty (I/C), NITRRFIE*, **Mr. Pawan Kataria**, *Officer (I/C), NITRRFIE*, **Ms. Singh**, and **Mr. Sunil Dewangan**, *Incubation Manager, NITRRFIE*. The signing of this MoU reflects the shared commitment of NIT Raipur and CII Young Indians to empower young minds, promote leadership with purpose, and strengthen the bridge between technical education, industry, and society.

NIT Raipur and Sustainable India (SI)

NIT Raipur and Sustainable India (SI), an initiative of the **Sri Aurobindo Yoga and Knowledge Foundation**, signed a

Memorandum of Understanding (MoU) on 7th Jan. 2026. The agreement was signed by **Dr. N.V. Ramana Rao**, *Director, NIT Raipur*, and **Er. Shubhangi Ghosh**, *Founder, Sustainable India*. The ceremony was held in the presence of distinguished dignitaries, including various Deans and key faculty members of NIT Raipur, as well as **Dr. D. Sanyal**, *Coordinator & Professor, DAP, NIT Raipur*.



The objective of this MoU is to formalize a partnership between SI and NIT Raipur to foster strategic linkages and collaborate on technical topics aligned with the United Nations Sustainable Development Goals (SDGs). Both parties aim to equip students and citizens with the knowledge required to cultivate a culture of sustainability and holistic growth. The institutions have agreed to collaborate across several high-impact areas, including the establishment of a resource centre, joint research and knowledge exchange, capacity building and training, sustainable development projects, and academic and career support.

The agreement is valid for an initial period of three years and is renewable upon mutual consent. To ensure successful implementation, a Joint Steering Committee with representatives from both parties will oversee the collaboration and manage the Resource Centre. This strategic partnership reflects the commitment of both NIT Raipur and SI to promote excellence in technical education and research while addressing the pressing global need for sustainable development.

Industry-Institute Collaboration by IICC, NIT Raipur

NIT Raipur's Faculty Delegation Visited GPIL Raipur



NIT Raipur's faculty delegation visited **Godawari Power & Ispat Limited (GPIL)**, Raipur, on 23rd Feb. 2026 as part of an **Industry-Institute interaction initiative**. Two faculty members from each department participated in the visit. During the interaction session, detailed discussions were held on strengthening Industry-Institute collaboration. The officials of GPIL elaborated on various technical and operational challenges faced by the industry, and both sides explored possible academic and research-based solutions.

Expert Talk on Metaheuristic Optimisation for Industry 4.



Department of Computer Applications (MCA), NIT Raipur organized an expert talk under the IICC on the topic *Metaheuristic Optimisation for Industry 4.0* on 9th Feb. 2026. The session was delivered by **Dr. T.V. Vijay Kumar**, Professor, School of Computer & Systems Sciences, JNU Delhi.

During the lecture, **Dr. Kumar** shared valuable insights into the evolution and applications of metaheuristic optimisation techniques. He elaborated on their relevance in emerging fields such as artificial intelligence, machine learning, and robotics, and discussed their transformative impact across various industrial sectors.

The event encouraged active participation from attendees through discussions and queries, fostering a collaborative learning environment. The program was conducted under the guidance of **Dr. Naeem Ahmad**, IICC Coordinator, MCA, and supported by **Dr. Tripti Swarnkar**, HoD, MCA, contributing significantly to academic enrichment and knowledge exchange.

The visit also included a comprehensive tour of the industrial facilities, providing faculty members with practical exposure to industrial processes. A plantation drive was also organized during the visit, highlighting the commitment towards environmental sustainability.

Expert Talk on the Hidden Spiritual and Cultural Connections between India and Africa



Industry Institute Collaboration Cell (IICC), NIT Raipur of the Department of Humanities and Social Sciences (DHSS), NIT Raipur organized an expert talk titled *Echoes Across the Ocean: The Hidden Spiritual and Cultural Connections Between India and Africa* on 2nd March 2026. The session was delivered by **Mrs. Deepti Kataria**, Secretary of the Africa Study Centre, Cairo, Egypt. **Ms.**

Kataria discussed several important themes, including the significance of oral traditions in preserving cultural memory and the presence of indigenous knowledge systems. The program, coordinated by **Dr. Chetna Sharma Rajput** and **Dr. Anil Manjhi**, Coordinators of IICC, DHSS, and supported by **Prof. Samir Bajpai**, Head, DHSS, was organized for students, research scholars, and faculty members to explore deeper civilizational dialogues, with active participation and engagement from all attendees during the lecture.

Expert Talk on Technical Writing and Research Communication



Industry Institute Collaboration Cell (IICC), NIT Raipur of Department of Humanities and Social Sciences (DHSS), NIT Raipur, organized an expert talk on the topic *Technical Writing and Research Communication* on 20th Feb. 2026. The session was delivered by **Prof. Binod Mishra**, Professor, English, IIT Roorkee. The programme was coordinated by **Dr. Chetna Sharma Rajput**, IICC Coordinator, DHSS, and **Dr. Anil Manjhi**, IICC Coordinator, DHSS. The event was conducted under the guidance of **Prof. Samir Bajpai**, Professor, CE, and graced by the esteemed presence of **Dr. Anoop Kumar Tiwari**, Associate Professor, DHSS. **Dr. Mishra** emphasized that strong technical writing is fundamental to successful research dissemination. He discussed several common challenges faced by scholars and tips to overcome them.

Expert Talk on Practical Cyber Security for Practitioners

Department of Computer Applications (MCA), NIT Raipur organized an expert talk under the IICC initiative on Practical Cyber Security for Practitioners on 13th Feb. 2026. The session was delivered by **Dr. Rajneesh Kumar Pandey**, Cyber Security Expert and Retired Officer, Indian Air Force.

The lecture focused on the Cyber Kill Chain, a strategic framework for understanding and countering cyberattacks. **Dr. Pandey** emphasized its importance in modern cybersecurity practices, particularly in identifying, preventing, and mitigating advanced persistent threats (APTs).

The session provided practical insights into cybersecurity challenges and solutions, making it highly relevant for practitioners. The event was successfully conducted under the guidance of **Dr. Naeem Ahmad**, IICC Coordinator, MCA,

and supported by **Dr. Tripti Swarnkar**, *HoD, MCA*, ensuring effective knowledge dissemination.

NIT Raipur organized INDUSTRIX 2026



Department of Electronics and Communication Engineering (ECE), NIT Raipur organized a two-day technical event titled **INDUSTRIX 2026** on 2nd and 3rd Feb. 2026, under the theme **Circuit to Development: Transforming Ideas to Smart Designs and Deployments**. The event was conducted under the **Industry Institute Collaboration Cell (IICC)** activities of NIT Raipur, with the objective of strengthening Industry-Academia interaction. The programme was organized under the guidance and patronage of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*.

On the first day, eminent experts from industry and academia, both from India and abroad, delivered technical talks and participated in panel discussions. These sessions provided valuable insights into emerging technologies, industry trends, research directions, and real-world deployment challenges, greatly benefiting the student community. The second day featured project exhibitions, poster presentations, and live demonstrations by UG, PG, and Ph.D. students, showcasing innovative ideas, applied research, and technology-driven solutions aligned with the event theme. The event was coordinated by **Dr. Mayur V. Katwe**, *IICC Coordinator, ECE*, **Dr. Alok Naughariya**, *Assistant Professor, ECE*, with **Dr. Bijaynanda Patnaik**, *HoD, ECE*, serving as the *Event Chairman*. Special appreciation was extended to the entire ECE organizing team, whose dedicated efforts ensured the smooth and successful execution of the programme.

Expert Talk on Career Path in Welding Technology



Department of Mechanical Engineering (ME), NIT Raipur under the aegis of the Industry Institute Collaboration Cell (IICC), organized an expert talk on **Career Path in Welding Technology for Aspiring Engineers**. The session aimed to expose students to career opportunities and advancements in welding technology. The keynote speaker, **Mr. Jose P. Philip**, *President of IIW India*, shared valuable industry insights, highlighting the importance of welding across sectors like manufacturing, construction, aerospace, and energy. He discussed recent technological developments, required skills, certification pathways, and career prospects. The interactive session helped students better understand industry expectations and encouraged them to explore specialized careers in this field.

Industrial Visit to ACC Adani Bhilai

Industry Institute Collaboration Cell (IICC), NIT Raipur of the **Department of Mechanical Engineering (ME)**, NIT Raipur in collaboration with **Futurex Initiative Program of ACC Adani, Bhilai**, organized an industrial visit for 25 students to ACC Adani, Bhilai, on 13th March 2026. The visit aimed to strengthen industry-academia collaboration and provide students with practical exposure to real-world engineering and industrial operations.

During the visit, students gained valuable insights into the functioning of industrial processes, safety protocols, and modern technological applications in manufacturing. The experience enabled them to bridge the gap between theoretical knowledge and practical implementation, enhancing their understanding of industry standards and practices. The visit proved highly informative and beneficial, enriching the participants' learning experience.

Academic Activities

13th IEEE International Conference on Intelligent Systems and Embedded Design (ISED-2025)

Department of Computer Science and Engineering (CSE), NIT Raipur organized the **13th IEEE International Conference on Intelligent Systems and Embedded Design (ISED-2025)** from 17th to 19th Dec. 2025. The inaugural



ceremony of the three-day international conference was held on 17th Dec. 2025. The event was supported by **ANRF, Indian**

Council of World Affairs, and CSIR-India as Financial Sponsors.

The *Chief Guest* of the inaugural session was **Prof. Priyadarshan Patra**, Vice-Chancellor, NIST University, Berhampur, Odisha. The *Distinguished Guest* was **Prof. Partha Roop**, University of Auckland, New Zealand. Special Guests included **Prof. T. V. Vijay Kumar**, Jawaharlal Nehru University, New Delhi, and **Prof. Siba K. Udgata**, University of Hyderabad. **Ms. Anubha Gupta**, representative of the Indian Global Council, also graced the occasion. The event was held under the patronage of **Prof. N. V. Ramana Rao**, Director, NIT Raipur. The inaugural session was attended by **Dr. Dilip Singh Sisodia**, HoD, CSE, **Dr. Pradeep Singh**, Conference Chairman, along with coordinators **Dr. Manu Vardhan**, Associate Professor, CSE, **Dr. Jitendra Kumar Raut**, Assistant Professor, CSE, and **Dr. Deepak Singh**, Assistant Professor, CSE, along with faculty members and participants.

Following the inauguration, **Dr. Vardhan** presented an overview of the conference on *Generative AI and IoT Devices*. Speakers highlighted ethical use of technology, India's emerging leadership, applications in smart systems, and the shift from traditional to digital knowledge. Hosting the event in a Tier-2 city was noted to boost the research culture. The program concluded with mementos for the guests and a Vote of Thanks by **Dr. Raut**.

The Valedictory Ceremony for ISED 2025 was hosted on 19th Dec. 2025. The ceremony was held with great enthusiasm and marked the successful conclusion of the three-day international conference. The session was graced by **Shri T. V. Vijay Kumar**, as *Chief Guest*, along with **Mr. Alok Kumar Singh** and **Mr. Santosh Kumar Sahu**, whose presence added immense value to the occasion. Coordinators **Dr. Vardhan**, **Dr. Raut**, and **Dr. Singh**, along with faculty members and participants were also present in this event.

Dr. Vardhan highlighted that the conference successfully fostered academic exchange, with 163 papers presented from over 800 submissions. **Mr. Singh** encouraged students and young researchers to engage with embedded technology and real-world challenges. Best Paper Awards were announced, and the session concluded with a Vote of Thanks by **Dr. Rout** and the National Anthem, marking the close of ISED 2025.

NIT Raipur hosted the 5th International Conference on Power Control and Computing Technologies

Department of Electrical Engineering (EE), NIT Raipur hosted the three-day 5th International Conference on **Power Control and Computing Technologies (IEEE ICPC2T-2026)** on 11th Mar. 2026. The conference aimed to foster discussions among experts, researchers, and students on

modern research, technologies, and innovations in energy, power, control, and computing.



The *Chief Guest* of the event was **Dr. Omprakash Vyas**, Director, Dr. Shyama Prasad Mukherjee International Institute of Information Technology (IIIT) Naya Raipur. The *Special Guest* was **Dr. M. K. Badapanda**, Head, RF Supply Section, Raja Ramanna Centre for Advanced Technology, Indore. The event was graced by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, **Prof. Shubhrata Gupta**, Dean (Academics), **Prof. N. D. Londhe**, Registrar, NIT Raipur and **Prof. Anamika Yadav**, Conference Chair. The conference organizing secretaries included **Dr. Varsha Singh**, Assistant Professor, EE, **Dr. Ramya Selvaraj**, Assistant Professor, EE, **Dr. V. Haripriya**, Assistant Professor, EE and **Dr. Venu Sonti**, Assistant Professor, EE. Several officials, faculty members, and research scholars of the institute were also present on the occasion.

The conference began with a welcome address by **Dr. Yadav**, noting participation from international and Indian institutions and the selection of 256 papers from over 800 submissions, with 188 presented online and 56 offline. **Prof. Londhe** described the event as a prestigious platform for researchers, academicians, and industry experts to exchange knowledge. **Prof. Rao** highlighted discussions on topics such as deep learning, smart grids, robotics, power generation, and high-voltage engineering, emphasizing the research papers' potential to reveal new technological opportunities in the energy sector. In his keynote, **Dr. Vyas** stressed emerging technologies and cybersecurity challenges in energy systems, congratulating the organizers on strong research engagement. **Dr. Badapanda** appreciated the active participation and the conference's role in promoting knowledge exchange and technological development.

The valedictory session for the three-day 5th International Conference on Power Control and Computing Technologies on 13th Mar. 2026. The session was graced by **Shri R. K. Shukla**, Managing Director, Chhattisgarh State Power Transmission Company Limited (CSPTCL), **Prof. Samir Bajpai**, Director (I/C), NIT Raipur, **Prof. N. D. Londhe**, Registrar, NIT Raipur, **Prof. Shubhrata Gupta**, Dean (Academics), **Prof. Sachin Jain**, HoD, EE, and **Prof. Anamika Yadav**, Conference Chair. The conference organizing secretaries, several officials, faculty members, and research scholars of the institute were also present on the occasion.

Prof. Yadav welcomed participants, appreciating their enthusiasm and encouraging continued impactful research in

power, control, and computing technologies. **Prof. Gupta** highlighted the value of interdisciplinary research and praised the quality of papers and discussions. **Prof. Jain** thanked speakers, researchers, and the organizing team for their contributions. **Prof. Londhe** and **Prof. Bajpai** emphasized the role of such conferences in promoting research culture, knowledge exchange, and collaborative opportunities for students and researchers. **Shri Shukla** acknowledged the organizers' efforts and stressed the importance of innovation in advancing modern power systems. *Best Paper Awards* were presented, and the program concluded with a Vote of Thanks by **Dr. Singh**, expressing gratitude to all contributors.

NIT Raipur Hosted Third International Conference on Emerging Technologies and Applications in Electrical Engineering



Department of Electrical Engineering (EE), NIT Raipur hosted the **Third International Conference on Emerging Technologies and Applications in Electrical Engineering (ICETAEE-2026)** on 19th Feb. 2026. The event was graced by **Shri. Bidya Nand Jha**, *Executive Director, NTPC WR-2*, as the *Chief Guest*. **Shri. Bimbisar Nagarjun**, *Superintendent Engineer, Chhattisgarh State Power Distribution Company Limited (CSPDCL)*, and **Shri. Balram Dewangan**, *District and Additional Sessions Judge*, attended as the *Guests of Honour*. The session was held under the patronage of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*. The session also saw the prominent presence of **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Prof. Shubhrta Gupta**, *Dean (Academics)*, **Prof. Sachin Jain**, *HoD, EE*, **Dr. Baidyanath Bag**, *Assistant Professor, EE*, **Dr. D. Suresh**, *Assistant Professor, EE*, **Dr. Rajan Kumar**, *Assistant Professor, EE* and **Dr. Chilaka Ranga** *Assistant Professor, EE*.

Dr. Bag opened the conference, emphasizing its aim to unite researchers, students, and professors to promote sustainable development, innovation, and impactful AI research. **Dr. Kumar** discussed adaptive optimization in AI and ML, noting that 82 of 257 submissions from countries such as the USA, Brazil, and Canada, as well as from premier institutions, were accepted. **Prof. Rao** highlighted AI and ML's transformative impact on the power sector, including a 63% reduction in design errors. **Shri Nagarjun** spoke on AI/ML startups, photovoltaic frames, and the critical role of Battery Energy Storage Systems (BESS) in grid stability. **Prof. Jain**

encouraged participants to tackle emerging industry challenges and leverage AI/ML for sustainable solutions, while **Dr. Suresh** welcomed the Chief Guest and highlighted the conference theme. *Chief Guest Shri Bidya Nand Jha* provided insights into India's renewable energy progress, noting over 260 GW from renewables, 270 GW from non-fossil sources, and a 35 GW solar contribution toward the nation's net-zero 2070 goal.

The conference concluded on 20th Feb 2026. The event was graced by the presence of **Prof. N. D. Londhe**, *Registrar, NIT Raipur* as *Chief Guest* and **Prof. Sachin Jain**, *Chairperson of the conference & HoD, EE*. The event also witnessed the presence of organising secretaries of the conference, along with faculty members, participants, and students.

Dr. Kumar opened the conference with an overview of the two-day event, which featured three keynote sessions on recent advancements. **Prof. Londhe** highlighted the department's excellence, vibrant research culture, and achievements in publications and patents, thanking participants for their contributions. The *Best Paper Awards* were then presented, and **Dr. Ranga** concluded the program with a Vote of Thanks.

National Conference on Quantum Materials and Devices (NCQMD-2026) organized by NIT Raipur



Department of Physics (DoP), NIT Raipur successfully organized a two-day **National Conference on Quantum Materials and Devices (NCQMD-2026)** on 12th Mar. 2026 to 13th Mar. 2026. In this conference, about 100 delegates, including research scholars, faculty members, and industrialists from across the country, participated and presented their ideas on emerging areas of quantum materials research, including quantum dots, 2D materials, superconducting materials, spintronics, semiconductor materials, and quantum computing technologies.

Also, renowned scientist **Dr. Proonendu Chaturvedi**, *SSPL (DRDO), Delhi*, **Dr. Shashi Prabhakar**, *PRL, Ahmedabad*, and academician **Prof. A.C. Bode**, *NIT Trichy*, have shared their research ideas in the emerging field of Quantum technology.

This conference was organized under the guidance of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Prof. S. M. Saini**, *HoD, DoP*, & *Chairman NCQMD-2026*. The event was coordinated by **Prof. Ayush Khare**, *Professor, DoP*, **Prof. B K Sahoo**, *Professor, DoP*, **Dr. K. S. Ojha**, *Assistant Professor, DoP*, **Dr. Raju Chetty**, *Assistant Professor, DoP*,

and **Dr. Harikrishnan M.P.**, Assistant Professor, DoP, as Organizing Secretaries.

NIT Raipur organized a National Level STTP titled CMDIMO-2026



Department of Mathematics (DoM), NIT Raipur in association with Continuing Education Cell (CEC) NIT Raipur, successfully organized a One-week National Level Short-Term Training Programme (STTP) titled **Computational Methods for Data Science Integrated with Mathematical Modelling and Operations Research (CMDIMO-2026)** from 12th Jan. 2026 to 16th Jan. 2026. The programme was conducted online and brought together academicians, researchers, and professionals from across the country to deliberate on contemporary research frontiers in data science, integrated with mathematical modelling and operations research. The inaugural ceremony was held on 12th Jan. 2026, online. The STTP focused on emerging dimensions of data science by integrating rigorous mathematical frameworks with computational intelligence to address challenges in science, engineering, and societal applications. It provided a platform for academic exchange and interaction with experts in the field. The inaugural session was graced by the presence of **Prof. N. V. Ramana Rao**, Director, NIT Raipur, as the *Chief Patron* and **Prof. G. N. Singh (HAG)**, IIT (ISM) Dhanbad, as the *Chief Guest*. **Prof. Subhojit Ghosh**, Chairman, CEC, NIT Raipur, attended as the *Guest of Honour*. The programme was coordinated by **Dr. Anup Kumar Sharma**, Assistant Professor, DoM, **Dr. Nilesh Kumar Thakur**, Associate Professor, DoM, and **Dr. Sujit Kumar Samanta**, Associate Professor, DoM.

In his address, **Prof. Rao** appreciated the initiative for organizing a training programme aligned with cutting-edge developments in science and technology. The *Chief Guest*, **Prof. Singh**, emphasized the significance of integrating mathematical modelling with computational intelligence through data science to support optimized decision-making. He stated that interdisciplinary approaches in data science are transforming modern research and commended the department for its forward-looking initiative.

The valedictory ceremony was conducted online on 16th January 2026, marking the successful conclusion of the program, and was graced by the presence of **Prof. N. V. Ramana Rao**, Director, NIT Raipur as the *Chief Patron*. **Prof. Pankaj Dutta**, IIT Bombay, attended as the *Chief Guest*, while **Dr. Subhojit Ghosh**, Chairman, CEC, NIT Raipur, was present as the *Guest of Honour*.

In his address, the Chief Guest, **Prof. Dutta**, highlighted the importance of integrating mathematical modelling, optimization, and computational intelligence for effective data-driven decision-making. He emphasized the role of interdisciplinary approaches in modern research and discussed risk analysis for sustainable investments. The programme concluded with e-certificate distribution and a Vote of Thanks, reaffirming NIT Raipur's commitment to advancing research, interdisciplinary learning, and capacity building.

NIT Raipur Organized National Workshop Titled AIAF-BSDF 2026



Department of Computer Science and Engineering (CSE), NIT Raipur organized a two-day national workshop titled **AI-Driven Agritech and FinTech with Blockchain for Secure Digital Finance: From Startup to Industry Adoption (AIAF-BSDF 2026)** on 29th Jan. 2026 to 30th Jan. 2026. The workshop focused on emerging technologies such as Artificial Intelligence, Blockchain, and Financial Technology, and their applications in agriculture and digital financial systems. The programme was convened by **Dr. Dilip Singh Sisodia**, Associate Professor, CSE, with **Dr. Preeti Chandrakar**, Assistant Professor, CSE, and **Dr. K. Jairam Naik**, Assistant Professor, CSE, serving as coordinators.

The inaugural session was graced by **Mr. Chandrabhas Chandrakar**, Chairman, Chhattisgarh State Seeds and Agriculture Development Corporation Ltd., Government of Chhattisgarh, as the *Chief Guest*, while **Prof. N. V. Ramana Rao**, Director, NIT Raipur, attended as *Guest of Honour*. The programme was also attended by **Dr. C. Krishna Mohan**, Former Dean, Public and Corporate Relations, IIT Hyderabad, **Mr. Manish K. Tikariha**, CEO, Aventraa Technologies Pvt. Ltd., Raipur, and **Prof. N. D. Londhe**, Registrar, NIT Raipur. **Dr. Sisodia** emphasized the importance of trust in digital ecosystems and the role of AI in decision-making. **Prof. Rao** highlighted the relevance of Human-Cyber Fusion Systems and innovative solutions for improving agricultural productivity. **Prof. Londhe** noted the rapid pace of digital transformation and contributions of students. **Dr. Mohan** discussed the role of AI in improving agricultural infrastructure and sustainability. **Mr. Tikariha** emphasized the importance of Business AI and the ethical use of technology. **Mr. Chandrakar** highlighted the need for practical technological solutions for the welfare of farmers.

During the technical sessions, experts discussed the use of AI for data-driven crop management, predictive analytics for

planning, and blockchain for secure transactions. They also addressed challenges such as rain-dependent farming, delayed monsoons, groundwater use, and building farmer trust in digital tools. The role of startups and industry partnerships in applying research was emphasized, along with the need to adapt global technologies to Indian conditions. The sessions were interactive, encouraging participants to explore innovative and sustainable Agri-tech solutions.

The workshop concluded with a valedictory session on 30th Jan. 2026, graced by **Prof. S. Sanyal**, *Dean (CR & RM), NIT Raipur*, as *Chief Guest*, and **Dr. Debasis Das**, *Associate Professor, IIT Jodhpur*, as *Guest of Honour*. **Dr. Chandrakar** presented a summary of the workshop proceedings. **Dr. Sanyal** emphasized the importance of agriculture in the state economy and the need for effective AgriTech and FinTech solutions. **Dr. Das** highlighted challenges in adapting global technological solutions to Indian agricultural contexts. The workshop concluded with a Vote of Thanks delivered by **Dr. Naik**.

NIT Raipur organized STTP on Responsible and Sustainable Mining



Department of Mining Engineering (DME), NIT Raipur organized a **one-week Self-Financed Short Term Training Programme (STTP)** on the theme **Responsible and Sustainable Mining: Currency for the Modern Workforce** from 19th Jan. 2026, to 23rd Jan. 2026. The programme aimed to equip participants with the skills and insights needed to address emerging challenges in the mining sector. It featured expert lectures, real-life case discussions, hands-on sessions, and panel discussions. Organized in collaboration with **Coal India Limited**, its subsidiaries, and industry partners such as the **Adani Group** and **CSPGCL**, the event was graced by **Shri Achyut Ghatak**, *Director (Technical), Coal India Ltd.* and **Shri Sanjay Kumar Jha**, *Director (Technical), Mahanadi Coalfields Ltd.* as *Chief Guests*. **Prof. N. V. Ramana Rao**, *Director of NIT Raipur*, served as *Patron*, while **Prof. Pankaj Dewangan**, *HoD (DME)*, chaired the programme. It was convened by **Dr. Prem Sagar Mishra**, *Professor of Practice, NIT Raipur, DME* with **Dr. Vineeth Balakrishnan**, *Assistant Professor at DME*, as the *coordinator*.

Following the formal inauguration, **Prof. Dewangan** delivered the welcome address and highlighted NIT Raipur's continuous growth as a centre of academic excellence through

the successful organization of academic and technical programmes. **Prof. Mishra** emphasized that responsible and sustainable mining can be transformed into valuable capital within operational practices, contributing to a better future. **Prof. Rao** appreciated the organizing committee and outlined key challenges in the mining sector, including human rights monitoring, waste management, high CO₂ emissions, afforestation, and biodiversity conservation through circular economy approaches. **Shri Jha** noted the increasing participation of female students in mining programmes as a positive transformation in the sector. He emphasized that mining activities should be limited to genuine necessity and that the responsible and judicious use of resources is essential. **Shri Ghatak**, an *alumnus of NIT Raipur*, described his visit as a homecoming and observed that while open-cast mining may gradually decline, underground mining will gain importance. He stressed the adoption of advanced and sustainable mining practices and encouraged students to explore opportunities in the field. The session concluded with a Vote of Thanks by **Dr. Balakrishnan**, followed by an interactive discussion with **Shri Ghatak** and **Shri Jha**.

The programme concluded with a valedictory ceremony on 23rd January 2026, attended by representatives from Coal India Limited, its subsidiaries, and industry partners. **Shri Atul Dwivedi**, *Managing Director, TMC Mineral Resources Pvt. Ltd.*, was the *Chief Guest*, and the event was presided over by **Prof. Dewangan**. Certificates and mementos were distributed to participants. In his address, **Shri Dwivedi** emphasized sustainable mining practices and highlighted the use of paste filling technology. The ceremony ended with a Vote of Thanks.

NIT Raipur organized Industrial Training Workshop on Knowledge Enhancement of Loco Shed Technicians of Indian Railways



Department of Electrical Engineering (EE), NIT Raipur in collaboration with **Continuing Education Cell (CEC)** organized an industrial training workshop titled **Knowledge Enhancement of Loco Shed Technicians of Indian Railways** from 12th to 23rd Jan. 2026. The valedictory ceremony of the workshop was held on 23rd Jan. 2026.

The valedictory ceremony was graced by **Shri Saurabh Singh**, *Senior DME, South Eastern Central Railway*, as the *Chief Guest*. **Prof. S. Sanyal**, *Dean (CR&RM)*, was present as the *Guest of Honour*, while **Prof. S. Gupta**, *Dean (Academics)*, attended as the *Special Guest*. In addition, **Prof.**

S. Ghosh, *Chairman, CEC*, **Prof. Sachin Jain**, *HoD, EE*, **Prof. S. Patnaik**, *Professor, EE*, along with faculty members and participants, were also present at the ceremony.

At the outset, **Prof. Ghosh** highlighted the workshop's effectiveness, noting active participation and its success in linking theory with practical applications. **Prof. Jain** emphasized hands-on training in measuring instruments, protection systems, and transformers, while expressing gratitude to the faculty. **Prof. Gupta** appreciated the organizers and stressed the importance of such programmes in enhancing academic and professional competence.

Shri Singh underscored the value of training in skill development, recommending more practice-oriented sessions and emphasizing real-world applications, particularly in the transition from mechanical to electrical systems. The programme concluded with participant feedback, certificate distribution, and a Vote of Thanks by **Prof. Patnaik**.

NIT Raipur organized Workshop on Industrial Waste Utilization for Circular Economy: Issues, Challenges and Opportunities (IWUCE-2026)



Department of Mechanical Engineering (ME), NIT Raipur organized one week industry sponsored workshop on **Industrial Waste Utilization for Circular Economy: Issues, Challenges and Opportunities (IWUCE-2026)** which was inaugurated on 10th Feb 2026 by **Dr. Suraj Kumar Mukti**, *Associate Professor, ME*, **Dr. Satish Kumar Dewangan**, *Associate Professor, ME* and **Dr. Shashi Kant Verma**, *Assistant Professor, ME*. A series of technical sessions were delivered by eminent industry experts and academicians. The sessions focused on sustainable industrial practices, waste management, and the adoption of circular economy principles.

The inaugural technical session was delivered by **Sanjay Srivastav**, *Associate Vice President, Environment & CSR, Godavari Power and Ispat Ltd. (GPIL), Raipur*, who graced the occasion as the *Chief Guest* and highlighted waste-heat recovery systems and strong ESG performance. The second session was conducted by **Rahul Kumar Rai**, *Director, Kesda Waste Management Private Limited*, focusing on industrial

waste management strategies and integrated sustainability solutions across India. The third session was delivered by **Ambika Tandon**, *Professor, Indira Gandhi Krishi Vishwavidyalaya, Raipur*, who discussed agro-based waste generation and its role in sustainable development and the circular economy. The fourth session was conducted by **Dr. Archana Sharma**, *ANRF PM Professor at NIT Raipur*, on electron-beam radiation technology for e-waste management.

Prof. N V Ramana Rao, *Director, NIT Raipur*, emphasized waste management in Civil Engineering for a circular economy. Another session by **Mr. Rajeev Gyani (CREDA)** focused on circular economy principles in renewable energy, particularly solar power plants. **Prof. Rao** further elaborated on transitioning from linear to circular economic models. **Mr. Vijayendra Kumar** highlighted sustainable water management, policy frameworks, and groundwater scenarios in India. **Mr. Alok Mahawar** discussed advanced water and wastewater treatment technologies, including nanotechnology-based solutions. **Mr. Alok Sahu, (CIPET)** emphasized plastics sustainability, responsible waste management, and the principles of Waste to Wealth, 3R (Reduce, Reuse, Recycle), along with Rethink and Refuse. On 14 February 2026, NIT Raipur successfully concluded IWUCE-2026, emerging as a national hub for sustainability discourse. With nearly 80 participants, the event served as a platform for knowledge exchange, policy dialogue, and technological innovation.

NIT Raipur organized MeitY-Sponsored High-End Workshop on Intelligent Digital Forensics (IDFEDA)



Department of Computer Science and Engineering (CSE), NIT Raipur organised a **MeitY-sponsored Five-Day High-End Workshop on Intelligent Digital Forensics for Evidence Discovery & Analysis (IDFEDA)** scheduled from 23rd to 27th Feb. 2026 at Hira Hall, NIT Raipur. The organizing team included **Dr. Dilip Singh Sisodia**, *HoD, CSE*, as the Convener, **Dr. Pradeep Singh**, *Associate Professor, CSE*, as the Chairman, **Dr. Nitesh K. Bharadwaj**, *Assistant Professor, CSE*, and **Dr. Aakanksha Sharaff**, *Associate Professor, CSE*, as the *Program Coordinators*.

The inaugural ceremony was held on 23rd Feb. 2026 and was graced by the presence of distinguished dignitaries **Prof. Chandan Mazumdar**, *(Retd.), Jadavpur University, India*, **Dr. Gaurav Gupta**, *Director/Scientist, Cyber Security R&D*,

Ministry of Electronics and Information Technology (MeitY), Government of India, and **Dr. Meenakshi Mahajan**, Director, Forensic Services, Himachal Pradesh, attended the program as the *Chief Guests*. The event was conducted under the patronage of **Prof. Samir Bajpai**, Director (I/C), NIT Raipur, who served as the *Chief Patron*, and **Prof. N. D. Londhe**, Registrar, NIT Raipur, as a *Guest of Honor*. The dignitaries highlighted the growing importance of intelligent digital forensics in combating the rapidly evolving cyber threat landscape and emphasized the need for advanced research and specialized training.

The workshop aimed to provide hands-on training and advanced knowledge in digital evidence analysis, file system forensics, data carving, cyber investigation techniques, and AI-driven forensic methods, and to appreciate the efforts of the research scholars who organized the workshop. A key highlight of the workshop was the practical laboratory sessions on fragmented and non-fragmented data carving methodologies, offering real-time technical exposure, along with a visit to State Forensic Science Laboratory Raipur, where participants observed actual forensic investigation processes and evidence analysis procedures.

The valedictory ceremony held on 27th February 2026 was graced by **Prof. N V Ramana Rao**, Director, NIT Raipur and **Shri. Sushil Dwivedi** (Retd. IG CID), Director of State Forensic Science Laboratory, Raipur, appreciated the technically rich and practice-oriented program. Participants shared positive feedback, certificates were distributed, and the session concluded with a Vote of Thanks by **Dr. Sharaff**.

NIT Raipur organized One-Week Virtual Workshop on Enhancing Oral and Written Communication Skills using e-Technology

Department of Humanities and Social Sciences (DHSS), NIT Raipur in collaboration with Department of Mechanical Engineering (ME), NIT Raipur organized a one-week virtual workshop on **Enhancing Oral and Written Communication Skills using e-Technology** from 10th Mar. 2026 to 14th Mar. 2026.

The workshop was inaugurated by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, who emphasized the growing importance of effective communication skills in the digital era. **Prof. Samir Bajpai**, HoD, DHSS, the *Chief Guest*, highlighted the role of technology in strengthening language learning and professional communication. **Prof. N. V. Swami Naidu**, HoD, ME, also addressed the participants and emphasized the need to integrate communication competencies with technical education. The workshop was conveyed by **Dr. Anoop Kumar Tiwari**, Associate Professor, DHSS, **Dr. Y. Vijaya Babu**, Associate Professor, DHSS, and **Dr. Suraj Kumar Mukti**, Associate Professor, ME.

Dr. Vagisha Mishra, Assistant Professor, DHSS, SVNIT, and **Dr. Naveen Juluru**, Assistant Professor, EE, led the

exploration of AI's role in communication, focusing on **Mobile-Assisted Language Learning (MALL)**, AI-based writing assistants, and digital platforms for auditory skills. **Dr. M. Sridhar**, Assistant Professor, EE, complemented this by addressing adaptive language technologies and emotional intelligence. To ensure these tools are used responsibly, **Dr. Aruna Shukla**, Assistant Professor, DHSS, IIT Naya Raipur, **Prof. Shilpi Bhattacharya**, Professor, DHSS, Kalinga University, and **Dr. Athar Khan**, Assistant Professor, EE, delivered sessions on the ethical implications of AI, digital literacy, and the nuances of cross-cultural communication. The workshop also prioritized career-building strategies, with **Dr. Suparna Karkun**, Assistant Professor, Amity University, discussing entrepreneurial storytelling and building a professional identity through social media. **Dr. Ashok**, Osmania University, focused on the practicalities of leadership and teamwork within online project-based learning environments.

Focusing on high-level execution, **Dr. Tiwari**, Associate Professor, DHSS, conducted sessions on hybrid learning and online simulations to enhance communication. **Dr. Babu**, Associate Professor, DHSS, specifically addressed how virtual meetings can be leveraged to strengthen professional presentation and negotiation skills. The workshop concluded by emphasizing that mastering these digital communication competencies is now a mandatory partner to technical expertise.

Expert Lecture on The Path to Success: Balancing Wealth, Health and Behaviour at NIT Raipur



Department of Humanities and Social Sciences (DHSS), NIT Raipur organized an expert lecture titled **The Path to Success: Balancing Wealth, Health and Behaviour** on 20th Jan. 2026. **Prof. Samir Bajpai**, Head, DHSS, was the *Chief Guest* at the event. **Dr. Shyam Kumar**, an alumnus of the **Indian Institute of Technology (IIT) Kanpur**, was the expert speaker at the program. **Dr. Hina Chawda**, Psychological Counsellor, NIT Raipur, introduced and welcomed the expert speaker.

Dr. Kumar reflected on his college experiences, emphasizing that life extends beyond classrooms, exams, and grades. Drawing from **Madhyasth Darshan-based Jeevan Vidya**, Indian and Western philosophy, and value-based education, he highlighted that true progress involves not only physical development but also the refinement of one's nature, thinking, and behavior. He noted that without understanding the true

source of happiness, individuals fall into comparison and competition, unable to define sufficiency in life, and stressed that an ideal society begins with becoming a better human being. He further emphasized that conservation of resources is rooted in conservation of nature, advocating environmental awareness in daily life alongside a balanced lifestyle, including proper posture, adequate sleep, and regular physical activity. Finally, **Prof. Bajpai** honoured the *Chief Guest* and urged all students to adopt human values in their lives and follow these values to make their lives successful.

Expert Lecture on Yog Pran Vidya (YPV) Meditation

Department of Humanities and Social Sciences (DHSS), NIT Raipur through **NIT Raipur's Yoga Club**, organized an expert lecture on *Yog Pran Vidya (YPV) Meditation* on 3rd Feb. 2026. The session was conducted by **Dr. Meena Pinjani**, *Authorized Trainer and Healer, Yoga Prana Vidya Foundation Trust, Tamil Nadu*. The event aimed to promote spiritual, mental, and emotional well-being among students and faculty through the practice of meditation. The session was organized by **Dr. Manju Shukla**, and **Mr. Suraj Nishad**, *Yoga Faculties of DHSS NIT Raipur*. **Dr. Pinjani** shared insights into the principles and techniques of Yog Pran Vidya, highlighting its role in stress management, inner balance, and holistic health. She also guided participants through simple meditation practices, helping them experience relaxation and mindfulness.

Expert Lecture on Soft Skills, Strong Personality: The Edge You Can't Ignore

Department of Humanities and Social Sciences (DHSS), NIT Raipur through **NIT Raipur's Yoga Club**, organized an expert lecture on **Soft Skills, Strong Personality: The Edge You Can't Ignore** on 5th Feb. 2026. The session was conducted by **Dr. Yogita Sharma**, *Corporate Trainer and Soft Skills Expert*. The event aimed to promote mental and emotional well-being while enhancing personality development among students and faculty. The session was organized by **Dr. Manju Shukla**, and **Mr. Suraj Nishad**, *Yoga Faculties of DHSS NIT Raipur*. **Dr. Sharma** shared valuable insights into the importance of soft skills in personal and professional life, emphasizing communication, confidence, and emotional intelligence. She discussed how strong interpersonal skills contribute to overall personality development and career success.

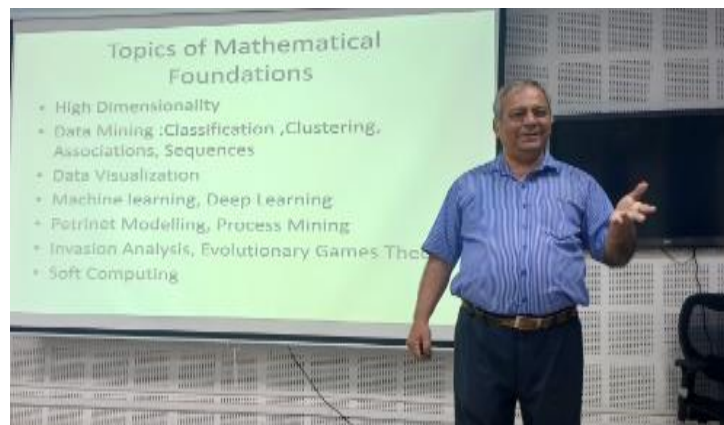
Expert Talk on Hyper-Heuristic Approach for Many-to-Many Hub Location-Routing Problem

Department of Computer Applications, NIT Raipur organized an expert talk on *A Hyper-Heuristic Approach for Many-to-Many Hub Location-Routing Problem* under the national initiatives of **AI Impact Summit 2026** and **Viksit Bharat Abhiyan**, on 10th Feb. 2026. The lecture was delivered by **Dr. Alok Singh**, *Professor, School of Computer & Information Sciences, University of Hyderabad*.

The primary objective of the session was to bridge the gap between academic learning and advanced research in combinatorial optimization and algorithmic design. **Dr. Singh** provided in-depth insights into hyper-heuristic approaches and their applications in solving complex routing problems.

The program was conducted under the guidance of **Dr. Shyam Sundar**, *Assistant Professor, MCA*, as *Coordinator*, and supported by **Dr. Priyanka Tripathi**, *Viksit Bharat Coordinator*, along with **Dr. Tripti Swarnkar**, *HoD, MCA*. The session aligned with the national vision of fostering innovation and advancing technical excellence.

Expert Talk on Recent Trends in Data Science



Department of Computer Applications (MCA), NIT Raipur organized an expert talk under the **Viksit Bharat initiative** on the topic **Recent Trends in Data Science**, on 6th Mar. 2026. The session was delivered by **Prof. K. R. Pardasani**, *Department of Mathematics, MANIT Bhopal*.

The program commenced with a welcome address by **Dr. Priyanka Tripathi**, *Coordinator, Viksit Bharat*, who introduced the speaker. **Dr. Tripti Swarnkar**, *HoD, MCA*, welcomed the guest by presenting a sapling as a gesture of respect. **Prof. Naresh K. Nagwani**, *Professor, CSE*, also addressed the audience, highlighting his academic interactions and lessons from **Prof. Pardasani**.

The event witnessed the presence of distinguished faculty members, including **Dr. S. K. Samantha**, *HoD, DoM*, **Dr. Manju Pandey**, *Associate Professor, MCA*, **Dr. Deepmala Sharma**, *Associate Professor, DoM*, **Dr. Neeraj Manhas**, *Assistant Professor, DoM*, and **Dr. S. N. Raw**, *Associate Professor, DoM*, along with other faculty members. The session provided valuable insights into emerging trends in data science and contributed significantly to the academic development of participants.

NIT Raipur Organised an Expert Lecture on How is AI Re-Engineering Everything?



Department of Electrical Engineering (EE), NIT Raipur in association with the **Electrical Engineering Association (EEA), NIT Raipur**, organized an expert lecture titled **How is AI Re-Engineering Everything?** on 30th Jan. 2026. The keynote address was delivered by **Grp. Capt. Mathew P Varghese (Retd.)**, *Former Director, Information Security, IAF CERT*.

During the lecture, **Dr. Kumar** highlighted the rapidly evolving role of Artificial Intelligence in transforming traditional engineering systems, with applications in smart power systems, automation, cybersecurity, and strategic decision-making. He emphasized how AI-driven technologies enhance efficiency, reliability, and resilience, while encouraging students to develop interdisciplinary skills and adapt to emerging trends. An interactive Q&A session followed, addressing contemporary challenges, ethical considerations, and career opportunities, making the session insightful and motivating for aspiring engineers.

The event was coordinated by **Dr. Chilaka Ranga**, *Assistant Professor, EE*, **Dr. Hari Priya**, *Assistant Professor, EE*. The *Electrical Engineering Association (EEA)* expressed appreciation to the speaker and participants, reaffirming its commitment to promoting technical awareness, innovation, and industry-relevant learning.

NIT Raipur Organized Expert Talk on Applications of Mathematics

Department of Mechanical Engineering (ME), NIT Raipur organized an expert talk on 9th Jan. 2025. The session was delivered by **Dr. Basant Lal Sharma**, *Associate Professor, IIT Kanpur*, on the topic *Applications of Mathematics*.

In his address, **Dr. Sharma** highlighted the significance of mathematical principles in solving complex engineering problems and their wide-ranging applications across various domains. He emphasized the role of mathematics as a foundational tool in research, innovation, and technological advancement.

STTP Organized on Fermentation Technology

Department of Biotechnology (DBT), NIT Raipur organized a one-week Short Term Training Programme

(STTP) on the theme *Fermentation Technology* from 9th Feb. 2026 to 13th Feb. 2026 under the guidance of **Prof. Pratima Gupta**, *HoD, DBT*, as the *Convenor*, with **Dr. J. Satya Eswari**, *Associate Professor, DBT*, and **Dr. Sharda Bharti**, *Assistant Professor, DBT*, as the *coordinators*. The programme aimed to provide comprehensive knowledge of fundamental and advanced concepts in fermentation technology through expert lectures, hands-on laboratory sessions, and interactive discussions. Participants gained practical exposure to lab-scale fermentation design, optimization techniques, and scale-up processes using modern analytical, experimental, and computational tools. The sessions also highlighted recent research advancements and industrial applications in bioprocessing, downstream processing, and bioproduct development, making the programme highly informative and relevant.

STTP on Advanced Separation Processes in Biotechnology and Environmental Field



Department of Biotechnology (DBT), NIT Raipur organized a one-week Short Term Training Programme (STTP) on the theme *Advanced Separation Processes in Biotechnology and Environmental Field* from 23rd Feb. 2026 to 27th Feb. 2026 under the guidance of **Prof. Pratima Gupta**, *HoD, DBT* as the *Convenor*, with **Dr. D. Vasanth**, *Associate Professor, DBT*, and **Dr. Sharda Bharti**, *Assistant Professor, DBT*, as the *coordinators*. The programme focused on advanced techniques in separation and purification processes relevant to biotechnology and environmental applications. It covered modern approaches such as membrane-based separation, chromatographic techniques, adsorption processes, and innovative bioproduct purification strategies, as well as applications in environmental remediation, wastewater treatment, and pollutant removal. The sessions included expert lectures and interactive discussions, providing participants with valuable insights into scientific principles and recent technological advancements in the field.

The valedictory sessions were graced by the esteemed presence of **Prof. Pratima Gupta**, *HoD, DBT*, as the *Chief guest*. The programme had an expert session of lectures given by many prestigious professors and scientists of India. She emphasized the growing significance of the separation process in various aspects of everyday life. The programme concluded with the distribution of certificates to the participants and a formal Vote of Thanks.

NIT Raipur organized Faculty Development Programme on Advanced Topics in FinTech Security



Department of Information Technology (IT), NIT Raipur in collaboration with the Department of Computer Science and Engineering (CSE), IIT Bhilai, organised and inaugurated the Five-Day Faculty Development Programme (FDP) on **Advanced Topics in FinTech Security** on 23rd Feb. 2026. The programme was sponsored by the **Ministry of Electronics and Information Technology (MeitY), Government of India**, under the ISEA-III initiative. The inaugural ceremony was graced by **Dr. Gaurav Gupta**, Director/Scientist, Cyber Security R&D, Ministry of Electronics and Information Technology (MeitY), Government of India, who presided over the function as the *Chief Guest*. The programme was further honoured by the presence of **Prof. Samir Bajpai**, Director (I/C), NIT Raipur, **Prof. Shrish Verma**, Professor (HAG), ECE, NIT Raipur, and **Dr. Meenakshi Mahajan**, Director, Forensic Services, Himachal Pradesh, Shimla as the *Guests of Honor*. The occasion was also privileged by the esteemed presence of **Mr. Amit Chandra**, Vice President, IDS Pvt. Ltd., Pune, who joined the programme as the *Special Guest*.

Dr. Rakesh Tripathi, Associate Professor, IT, delivered the welcome address and presented an overview of the FDP, and emphasized the growing need for robust cybersecurity frameworks to secure the rapidly evolving FinTech ecosystem. The inaugural session concluded with a formal Vote of Thanks delivered by **Dr. Chandrashekar Jatoth**, Assistant Professor,

IT. **Mr. Chandra** provided comprehensive insights into Artificial Intelligence (AI) and Blockchain technologies, their integration, adoption challenges in public and private sectors, e-Governance applications, and blockchain-based supply chain management systems. The second session was delivered by **Mr. Sunil Yedavalli**, Data Scientist, Solution Delivery Lead, on the evolution of data technologies, centralized and decentralized network models, Industry 4.0 concerns, and the increasing risks of AI-driven financial fraud.

Few more sessions were delivered by **Mr. Chandra**, **Mr. Sunil Subramanyam**, Vice President, IDS Hyderabad, **Dr. Tripathi**, **Prof. R. K. Shyamasundar**, Distinguished V. Professor, IIT Bombay, **Prof. Santosh Biswas**, HoD of EECS Department, IIT Bhilai, **Dr. Susil Kumar Mohanty**, Assistant Professor, CSE, IIT Jodhpur, **Prof. Digambar Pawar**, Associate Professor, CSE, University of Hyderabad, **Dr. Ashu Sharma**, Post-Doctoral, IIT Kanpur, WatchGuard Technologies, Delhi, **Dr. Dhiman Saha**, Assistant Professor, IIT Bhilai, and **Dr. Ilaiah Kavati**, Assistant Professor, NIT Warangal.

The Valedictory Ceremony was held on 27th Feb. 2026 at NIT Raipur. The ceremony was graced by **Prof. N. V. Ramana Rao**, Director, NIT Raipur. The programme was chaired by **Dr. Sanjay Kumar**, HoD (I/C), IT, NIT Raipur. The FDP was coordinated by **Dr. C. Jatoth**, **Dr. Rakesh Tripathi**, and **Dr. Tirath Prasad Sahu**, Assistant Professor, IT. Addressing the gathering during the valedictory ceremony, **Dr. Kumar** emphasized the importance of strengthening cybersecurity education and research in the rapidly evolving digital financial landscape. **Dr. Tripathi** presented a brief report of the FDP and acknowledged the continuous support of MeitY under the ISEA-III initiative. In his valedictory address, **Prof. Rao** congratulated the organizing team for successfully conducting a technically enriching programme and encouraged participants to apply the knowledge gained in research and teaching. The programme concluded with a Vote of Thanks delivered by **Dr. Sahu**.

Research Frontier

Expert Lectures delivered by Institute Faculty/ Staff

- **Dr. K. Jairam Naik**, Assistant Professor, CSE, delivered an expert lecture on *Deep Learning Solutions for IoT-Data Driven Smart Applications* on 14th Jan. 2026 during the *One-Week National Level Online Short-Term Training Programme (STTP) on Computational Methods for Data Science Integrated with Mathematical Modelling and Operations Research (CMDIMO-2026)* organized by the Department of Mathematics, NIT Raipur.
- **Mr. Pawan Kataria**, Assistant Registrar, Career Development Centre (CDC), delivered an expert lecture on *Skill Development through Technological Resources for Empowering Economic Growth of Women* on 19th Feb. 2026, at *Thakur Pyare Lal State Institute of Panchayat & Rural Development (TPSIPRD)*, Nimora, Raipur, Chhattisgarh.

- **Prof. Pratima Gupta**, Professor, DBT, delivered an expert lecture on the topic *Emerging Microbial Technologies in the field of Environment & Health* on 11th Feb. 2026 during the *International Conference on Current Innovations on Biotechnology for Entrepreneurships and Research -2026* organized by Amity University, Chhattisgarh.

Patents

- A Patent titled **Microbial Electrochemical System for Generation of Hydrogen Peroxide and In-Situ Valorization of Agricultural Waste**, filed by **Mr. Changsomba Chang**, Research Scholar, DBT, and **Prof. Pratima Gupta**, DBT, with file number 582638, was granted by the *Patent Office, Government of India*, on 9th Mar. 2026.
- A Patent titled **Portable Bio-Electrochemical Detection Laboratory Equipment for Monitoring Antibiotics in Wastewater**, filed by **Dr. Satya Eswari**, Associate Professor, DBT, with file number 466789-001, was granted by the *Patent Office, Government of India* on 18th Dec. 2025.

Sponsored Research Projects

- A project titled *Assessing the Gaps: A Pan-India Study on the Efficacy of Social Welfare Interventions and Institutional Support Systems for the Families and Dependents of Sex Workers*, by **Dr. Anil Manjhi**, Assistant Professor, DHSS (PI), **Dr. Y.V.Babu**, Associate Professor, DHSS (Co-PI), and **Dr. Chetna Sharma Rajput**, Assistant Professor, DHSS (Co-PI) has been sanctioned by ICSSR for a period of 2 years with a total funding of Rs. 14,70,000 (Rupees Fourteen Lakh Seventy thousand only).
- A project titled *Agentic AI-Based Secure Answer Script Upload and Automated Evaluation System (AISS-AES)* by **Dr. K. Jairam Naik**, Assistant Professor, CSE, under the Department of Computer Science and Engineering (CSE), sponsored by Rida

Info Tech LLP has been sanctioned for a period of 18 months with a total funding of Rs. 1,50,700 (Rupees One Lakh Fifty Thousand Seven Hundred Only).

- A project titled *SUHAWNI (Smart Utility for Homeostasis AI in Women's Nutritional Improvement)* by **Dr. Manju Pandey**, Associate Professor, MCA, (PI) and **Dr. Bikesh Kumar Singh**, Associate Professor, BME, (Co-PI), under the Department of Computer Applications (MCA), sponsored by the Chhattisgarh Council of Science & Technology, has been sanctioned for a period of two years with a total funding of Rs. 2,00,000 (Rupees Two Lakh Only).

PhD Thesis Defended

- **Mr. Brijesh Kumar** defended his Ph.D. thesis entitled *Synthesis, Characterizations and Applications of Graphene Quantum Dots from Graphite Powder* under the supervision of **Prof. S. P. Mahapatra**, Professor, DoC, and **Dr. Santhosh Penta**, Assistant Professor, DoC, on 24th Dec. 2025.
- **Ms. Bharathi Chidirala** defended her Ph.D thesis entitled *Development of Security Techniques Based on Watermarking and Encryption for Digital Images* under the supervision of **Dr. B. Acharya**, Associate Professor, ECE, on 31st Dec. 2025.
- **Mr. L. N. Vital Muktevi** defended his Ph.D. thesis entitled *Study and Alleviation of Leakage Current in Transformerless Multilevel Inverters for PV Systems* under the supervision of **Prof. Sachin Jain**, Professor, EE, on 11th Dec. 2025.
- **Mr. Vikram Singh** defended his Ph.D. thesis entitled *Application of Artificial Intelligence in Fault Diagnosis and Reconfiguration in Multilevel Inverter Based Standalone and Grid-Connected Renewable Energy System* under the supervision of **Prof.**

Shubhrata Gupta, Professor, EE, and **Prof. Anamika Yadav**, Professor, EE, on 9th Jan. 2026.

- **Mr. Amitesh Shrivastava** defended his Ph.D. thesis entitled *Detailed Investigation of Stress Distribution in Knee Joint and Musculoskeletal System for the Customize Optimal Design and Development of Implant in Indian Context* under the supervision of **Prof. N. K. Jain**, Professor, ME, and **Prof. R. Salhotra**, Professor, ME, on 12th Dec. 2025.
- **Mr. Dhruvi Sundar Pattanayak** defended his Ph.D. thesis entitled *Photocatalytic Degradation of Antibiotics Using Graphitic Carbon Nitride Based Nanocomposite* under the supervision of **Dr. Dharm Pal**, Associate Professor, DCE, and **Dr. Chandrakant Thakur**, Assistant Professor, DCE, on 5th Dec.2025.
- **Mr. Akhilesh Sharma** defended his Ph.D. thesis entitled *Enhancement of Security and Trust in Chit-Fund using Blockchain Technology* under the supervision of **Dr. Preeti Chandrakar**, Assistant Professor, CSE, on 30th Jan. 2026.

- **Ms. Manisha Israni** defended her Ph.D. thesis entitled *Metaheuristic Techniques Tailored to Some Combinatorial Optimization Problems* under the supervision of **Dr. Shyam Sundar**, Assistant Professor, MCA, on 10th Feb. 2026.
- **Mr. Chandan Soni** defended his Ph.D. thesis entitled *History, Memory and Trauma in the Select Novels of Amitav Ghosh* under the supervision of **Dr. Anoop Kumar Tiwari**, Associate Professor, DHSS, on 14th Jan. 2026.
- **Mr. Sachin Kumar Sahu** defended his Ph.D. thesis entitled *Assessment of Locational Satisfaction of Residents Living in Slum Rehabilitation Housing in Raipur, Chhattisgarh* under the supervision of **Dr. Vandana Agrawal**, Assistant Professor, DAP, on 17th Feb. 2026.
- **Ms. Yogita Sahu** defended her Ph.D. thesis entitled *Structural, Optical and Dielectric Behaviour of Rare Earth and Transition Metal Substituted Spinel Chromites* under the supervision of **Dr. Sadhana Agrawal**, Professor, DoP, on 23rd Feb. 2026.
- **Ms. Smita Mohanty** defended her Ph.D. thesis entitled *Writing as an Emancipating Space: A Select Study of Dalit Women Autobiographies* under the supervision of **Dr. Y. Vijaya Babu**, Associate Professor, DHSS, on 20th Feb. 2026.
- **Ms. Neha Smitha Lakra** defended her Ph.D. thesis entitled *Energy Management in Power Distribution Sector using Volt-Var and Volt-Watt Control* under the supervision of **Dr. Baidyanath Bag**, Assistant Professor, EE, on 5th Dec. 2025.
- **Mr. Brijmohan Lal Sahu** defended his Ph.D. thesis entitled *Analysis and Enhancement of Blockchain-Based Electric Vehicle Schemes* under the supervision of **Dr. Preeti Chandrakar**, Assistant Professor, CSE, on 27th Oct. 2025.
- **Ms Priti Nemdeo Bawankule** defended her Ph.D. thesis entitled *Design and Performance Analysis of Rogowski Coil for High Frequency Current Signal Measurement Using Finite Element Method and Experimental Validation* under the supervision of **Dr. K Chandrasekaran**, Assistant Professor, EE, on 9th Dec. 2025.
- **Mr. Prashant Kumar Nayak** defended his Ph.D. thesis entitled *An Investigation into Effect of Key Parameters on Design and Stability of Waste Dumps in Indian Coal Mines using Soft Computing Tools* under the supervision of **Prof. Pankaj Dewangan**, Professor, DME, and **Dr. Ashish Kumar Dash**, Assistant Professor, DME, on 12th Dec. 2025.

- **Ms. Vibha Bhandari** defended her Ph.D. thesis entitled *A Few-Shots Temporal Learning Based High Performance P300 Speller Using Brain Computer Interface* under the supervision of **Prof. Narendra D Londhe**, Professor, EE, and **Dr. Ghanahshyam B Kshirsagar** on 13th Dec. 2025.
- **Ms. Neetika Yadav** defended her Ph.D. thesis entitled *Investigation of various parameters for designing efficient, stable, and low-cost inorganic perovskite solar cells* under the supervision of **Prof. Ayush Khare**, Professor, DoP, on 22nd Dec. 2025.
- **Mr. Punit Kumar Chaubey** defended his Ph.D. thesis entitled *Metaheuristic Approaches for NP-HARD combinatorial Optimisation problems* under the supervision of **Dr. Shyam Sundar**, Assistant Professor, MCA, on 19th Dec. 2025.
- **Ms. Harsha Verma** defended her Ph.D. thesis entitled *Materials Design and Assessment for Solar Thermochemical Fuel Production* under the supervision of **Dr. M.K. Tripathi**, Associate Professor, MME, and **Dr. Mohan Lal Verma**, on 11th Dec. 2025.
- **Mr. Kammula Sunil Kumar** defended his Ph.D. thesis entitled *Design of a Framework to Extend the Lifetime of Underwater Wireless Sensor Networks* under the supervision of **Dr. Deepak Singh**, Assistant Professor, CSE, and **Dr. Veena Anand** on 4th Dec. 2025.
- **Mr. Nutan Singh** defended his Ph.D. thesis entitled *IoT Based Detection of Diseases using Learning Algorithms* under the supervision of **Prof. Priyanka Tripathi**, Professor, MCA, on 18th Dec. 2025.
- **Mr. Laxmikant Banaj** defended his Ph.D. thesis entitled *Structural and Dielectric Studies of Rare Earth and Transition Element Doped Spinel Ferrite* under the supervision of **Dr. Sadhana Agrawal**, Professor, DoP, on 22nd Dec. 2025.
- **Mr. Rajneesh Kumar Pandey** defended his Ph.D. thesis entitled *Prevention and Detection of Cyber Attacks in Critical Infrastructure* under the supervision of **Dr. Tanmoy Kanti Das**, Associate Professor, MCA, on 11th Feb. 2026.
- **Mr. Vibhav Shukla** defended his Ph.D. thesis entitled *Design, Synthesis and Physico-chemical Analysis of Metal Organic Framework Using Ligand Having Pendant Carboxylic Acid and Some N-Donor Spacers with M(II) Ions for Environmental and Energy Storage Applications* under the supervision of **Dr. Kafeel Ahmad Siddiqui**, Associate Professor, DoC, on 30th Dec. 2025.

Awards, Recognition, and Fellowship

- **Dr. Tungabidya Maharana**, Associate Professor, DoC, **Mr. Tukendra Kumar**, Assistant Professor, CE, **Mr. Lakeswer Dadsena**, Assistant Professor, DME, **Dr. Satya Eswari Jujavarapu**, Associate Professor, DBT, have jointly developed an advanced Portable Bio-Electrochemical Detection Laboratory Equipment which enables rapid, on-site antibiotic detection in wastewater. By bypassing slow laboratory processes, the device provides real-time electrochemical monitoring to combat **antimicrobial resistance (AMR)** efficiently.
- **Mr. Suresh Dua**, Senior Technical Assistant, NIT Raipur, completed the LRM 1200 endurance cycling event in 78 hours and 58 minutes. He has been given the title of Super Randonneur for 4 times in 2025.

Research Publications

- **Suhani Silla**, **Dr. Arepalli Peda Gopi**, and **K.J. Naik**, have published a journal titled, **A quantization training based deep learning for plant disease detections, severity, and yield-loss prediction in sustainable agriculture** in *Soft Computing*, (Springer journal) (SCIE, IF-2.5).
- **Dr. Pratima Gupta**, and **Mr. Aman Singh**, have published a research article titled **Structure-based identification of natural inhibitors targeting alpha-hemolysin to prevent pore formation in Staphylococcus aureus-induced sepsis** in *Biologia*, Springer Nature.
- **Dr. Sagarika Bhattacharya**, **A. Mishra**, **H. K. Basak**, and **B. Chakraborty**, have published a research article titled **Hydrogen Evolution Reaction Using a Sulfanilamide/Citric Acid Derived N, S-Doped Carbon Dot** in *ACS Applied Energy Materials*, 2026, 9, 1771-1781, ACS (Q1, I.F. 5.6)
- **Dr. Pratima Gupta** and **Mr. Changsomba Chang** have published a research article titled **Microbial Peroxide Producing Cells for Advanced Oxidation Processes** in the *Royal Society of Chemistry*.
- **Dr. D. N. Roy**, **Mr. S Moulick**, and **Dr. S. Bhattacharya** have published a research article titled **Bioflavonoid quercetin upregulates biofilm-degrading genes pslG and pelA in Pseudomonas aeruginosa and also alleviates pathogenicity through cytokine modulation in infected macrophages** in *Naunyn-Schmiedeberg's Archives of Pharmacology*, (2026) [Springer Publishing Group, (SCI)].
- **Dr. D. N. Roy**, and **Mr. A Tandi**, have published a research article titled **Andrographiside acts as a novel biofilm inhibitor of Pseudomonas aeruginosa PAO1 by modulating quorum-sensing proteins (LasR and RhII), Pseudomonas quinolone signal regulator (PqsR), and Pellicle B of PEL Operon: An in silico and in vitro approach** in *Computational Biology and Chemistry*, 108894 (2026) [Elsevier Publishing Group, (SCI)]
- **Dr. D. N. Roy**, **Dr. S. Nag**, and **Mr. S. Datta**, have published a research article titled **Papain: An antimicrobial enzyme of papaya latex inhibits the production of biofilm and disrupts pre-formed biofilm matrix of Pseudomonas aeruginosa** in *Archives of Microbiology*, 208, 83 (2026) [Springer Publishing Group, (SCI)]

Students' Achievements

- **Humanshu Sahu**, 6th Sem, DBT, secured 1st position (State Winner) at **Design for Bharat - Youth Innovation Challenge 2026** conducted under **Viksit Bharat Young Leaders Dialogue 2026** organized by *Design for Bharat*, a flagship initiative by the Ministry of Youth Affairs & Sports under VBYLD 2026. He showcased a prototype of REnalyse, a low-cost screening tool for early chronic kidney disease detection. He was

also a National Finalist, selected for the National Exhibition in New Delhi.

- Representing the institute, Team Solverz, comprising **Ankan Mondal**, 6th Sem, MME, **Shivam Garg**, 6th Sem, MME, **Saksham Tikariha**, 6th Sem, MME, **Pulkit Parag**, 4th Sem., MME, **Archita**, 4th Sem., MME, and **Malvika Krishna**, 6th Sem, MME, tackled Problem Statement PS 25187, focusing on Hot Metal & Steel Ladle Tracking. Their innovative hardware solution was recognized for its precision and

potential for real-world industrial deployment. The competition concluded with the team being awarded a cash prize of ₹75,000, a testament to their resilience and forward-thinking in the field of metallurgical engineering.

- **Vaibhav Sahu**, DBT, 4th Sem, **Sudheesh Singh**, DBT, 4th Sem, and **Sushree Sradha**, DBT, 4th Sem, secured **Top 3** position in **Design for Bharat - Youth Innovation Challenge 2026**. Their recognition stems from

the successful presentation of a *de novo* design for an 83-nucleotide RNA thermometer. In appreciation of their contribution, the team was awarded a reimbursement of ₹10,000.

- **Mr. Sunil Sahu**, Research Scholar, DBT,

received the *Best Poster Award* on the title *Microbial Electrolysis Driven Bioremediation of Antibiotic-Contaminated Hospital Wastewater: Integrating Tetracycline Degradation with Resource Recovery* at the *International Conference on Advances in Biotechnology*,

Bioprocessing and Structural Biology (ICABSB-2025) organized at IIT Roorkee, and the *Biotech Research Society, India (BRSI)* from 11th Dec. 2025 to 14th Dec. 2025. The research was organised under **Dr. Satya Eswari**, Associate Professor, DBT.

Club/ ttee Activities

Eclectika 2026



Sanskriti - Cultural Committee, NIT Raipur inaugurated its three-day annual cultural festival **Eclectika'26** on 20th Feb. 2026 with great enthusiasm. The inaugural ceremony was graced by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, as the *Chief Guest*. The event was also attended by **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, and **Dr. Manoj Chopkar**, *Dean, SW*, along with faculty members and students. The ceremony marked the beginning of a vibrant celebration of culture, creativity, and student talent on campus.

Welcoming the gathering, **Dr. Chopkar** described **Eclectika** as a confluence of engineering intellect and creative expression. He highlighted that the festival provides students with a platform to showcase their talents while promoting teamwork and creativity. He further encouraged students to participate actively while upholding the spirit of responsibility and inclusivity throughout the fest.

Dr. Londhe advised students to maintain discipline and enjoy the festivities responsibly. A presentation was also shown outlining the vision for **Eclectika 2026**, including themed evenings such as *Celeb Nite*, *Cult Nite*, and *EDM Nite*, as well as several major events planned across the campus.

In his address, **Prof. Rao** praised the organizers' efforts and emphasized that cultural festivals play an important role in students' holistic development. He noted that such events enhance creativity, confidence, and peer bonding while also helping students relieve academic stress, and appreciated the scale and diversity of events being organized under **Eclectika**

2026, highlighting the institute's commitment to nurturing both technical and cultural excellence. Following his remarks, he formally declared **Eclectika 2026** open.



The festival features several events, including *Pixel Lane*, *Kalopsia*, *Allure*, *Clash of Choreos*, *Eclectika Idol*, *Tafri*, *Avirbhav*, and *Goonj*, encouraging enthusiastic participation from students. On the opening day, events such as *Kalopsia*, an art exhibition themed around creative storytelling, and *Allure*, featuring performances in singing, poetry, storytelling, and fashion, captivated the audience. The dance event *Clash of Choreos* added vibrant energy to the celebrations, and the day concluded with an electrifying *EDM Night* that witnessed enthusiastic participation from students.

The subsequent days of the festival featured a diverse range of engaging cultural and entertainment activities, including competitions, performances, and artist showcases, creating a lively and dynamic atmosphere across the campus. During the *Artist Night*, renowned singers **Nikhil D'Souza** and **Shreya Baruah** enthralled the audience with their remarkable performances. **Nikhil D'Souza's** melodious renditions created a captivating musical ambiance, leaving the audience mesmerized and ensuring an enjoyable experience for all.

The annual cultural festival witnessed active participation from students across various institutions, further enriching cultural exchange and collaborative spirit. **Eclectika 2026** stood as a celebration of culture, creativity, and collaboration,

reflecting NIT Raipur's commitment to holistic student development.

NIT Raipur organized Annual Sports Fest SAMAR 2026, Four-Day Sports Extravaganza Begins



NIT Raipur inaugurated the four-day annual sports festival SAMAR 2026 on 23rd Jan. 2026. The event is being organized by Team Shaurya - the Institute Sports Committee, and aims to promote sportsmanship, discipline, and team spirit through a wide range of sporting competitions.

The inaugural ceremony was graced by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, as the Chief Guest, and **Prof. N. D. Londhe**, Registrar, NIT Raipur, as the Guest of Honour, along with **Prof. P. Y. Dhekne**, Dean, SW (I/C), **Dr. R. Suresh Kumar**, Faculty (I/C), Shaurya Committee, Faculty Member's Staff and Students. The programme commenced with the welcome of dignitaries and Saraswati Vandana, followed by a brief introduction to the SAMAR festival, creating an atmosphere of excitement across the campus.

Dr. Kumar congratulated the contributors, highlighting that the four-day SAMAR 2026 sports festival fosters sportsmanship, skill development, and teamwork among students. He further noted that the diverse range of competitions planned over the four days would significantly contribute to participants' overall development.

Prof. Dhekne emphasized that participants are future leaders, noting that sports teach values, discipline, teamwork, and stress management. He further highlighted that sports instil essential life skills such as handling pressure, building trust within teams, and maintaining composure in challenging situations.

Prof. Londhe praised Team Shaurya for organizing the event on Vasant Panchami and highlighted its role in promoting cooperation and sports culture. He remarked that the festival also attracts participation from students of other institutions, thereby fostering inter-institutional collaboration and strengthening the culture of sportsmanship.

Prof. Rao underscored the importance of sports for holistic student development, mental and physical health, and academic excellence, while noting ongoing upgrades to sports facilities. He encouraged students to actively engage in sports activities, noting that those who participate regularly often demonstrate better focus and discipline in academics. The

Director formally inaugurated SAMAR 2026 by lighting the ceremonial torch.

The four-day sports extravaganza will feature various sporting competitions such as cricket, football, badminton, volleyball, handball, kho-kho, table tennis, kabaddi, and basketball, with participation from students of NIT Raipur as well as students from other institutions. The festival aims to create a vibrant sporting environment on campus, providing students with opportunities to showcase their talent, build teamwork, and develop leadership qualities. SAMAR 2026 is expected to not only enhance students' interest in sports but also play a significant role in their physical, mental, and personality development.

Litfest 2026



Literati-The Literary Committee, NIT Raipur organised Litfest 2026, the annual literary and cultural festival of the institute, from 4th Feb. 2026 to 8th Feb. 2026. The festival was themed **Jungle Karma** and aims to create a vibrant platform that brings together literature, art, creativity, and intellectual dialogue.

The Inaugural Ceremony commenced with the ceremonial lighting of the lamp, followed by the felicitation of the esteemed guests. The event was graced by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, as the Chief Guest, and **Dr. Shueb Khan**, Psychiatrist, Suyash Hospital as the Guest of Honour. The ceremony was further dignified by the presence of **Prof. N. D. Londhe**, Registrar, NIT Raipur, **Prof. Samir Bajpai**, Head, CDC, **Prof. Manoj Chopkar**, Dean (SW), NIT Raipur, **Dr. Sanjay Kumar**, Professor (I/C), Literary committee, **Dr. Y. Vijay Babu**, Faculty (I/C), Literati, **Dr. Chetna S. Rajput**, Faculty (I/C), Literati and other faculty members and students.

Prof. Rao highlighted the value of unconventional thinking and the role of literary festivals in enhancing communication, ethical reasoning, and the articulation of ideas. **Dr. Kumar** thanked the Director for supporting student initiatives and officially inaugurated Litfest 2026. **Dr. Khan** spoke on the link between engineering, art, and mental well-being, emphasizing literature's role in fostering patience and mindfulness. The festival featured quizzes, speaker sessions, MUN, debates, essay writing, poetry slams, literary marathons, and storytelling competitions, concluding on 8th February 2026 with the Grand Finale, Valedictory Ceremony, and prize distribution. The inaugural session included an interactive Q&A and a Vote of Thanks by **Dr. Babu**.

NIT Raipur Conducted Hult Prize 2026 On-Campus Round



Innovation Cell, NIT Raipur successfully organized the **Hult Prize 2026** On-Campus Round, marking the institute's first-ever hosting of one of the world's largest and most prestigious social innovation competitions in Raipur. The Hult Prize Foundation initiative provides a global platform for students to develop impactful, scalable, and sustainable startup ideas aligned with the United Nations Sustainable Development Goals (SDGs). The competition encourages young innovators to build for-profit, for-good ventures addressing pressing global challenges. During this, **Mr. Pawan Kataria**, Assistant Registrar, NIT Raipur, and **Mr. Sunil Devangan**, Incubation Manager, NITRRFIE Raipur, and participants were present.

The event saw enthusiastic participation from student teams across departments, presenting innovative business models focused on sustainability, social impact, and entrepreneurship, covering themes such as climate action, education, healthcare, the circular economy, and tech-driven empowerment. The winning team will advance to regional and global rounds, competing for up to USD 1 million in seed funding and international mentorship. Hult Prize 2026 showcased NIT Raipur's commitment to fostering innovation, entrepreneurship, and socially responsible leadership.

E-Cell

Speaker Session Workshop on Design Thinking, Critical Thinking and Innovation Design



Entrepreneurship Cell (E-Cell), NIT Raipur successfully organized an engaging Speaker Session and Workshop on **Design Thinking, Critical Thinking, and Innovation Design**. The session was conducted by **Ms. Aastha Amanat**,

Co-Founder, Prasiddhi PR, and Founder of Women Web and Amanat Foundation on 18th Feb. 2026.

The event aimed to introduce students to structured approaches for problem-solving, innovation, and idea development by applying the principles of design thinking and critical analysis in real-world contexts. The session provided a comprehensive overview of how design thinking can be used to identify real problems, understand user needs, and design impactful solutions that are both practical and scalable. **Ms. Amanat** highlighted how innovation is often driven by curiosity, observation, and the ability to question conventional methods. She also discussed how critical thinking helps individuals evaluate ideas logically and make informed decisions while developing solutions.

Speaker Session on Learn How Startups Turn Ideas into Funded Ventures

Entrepreneurship Cell (E-Cell), NIT Raipur successfully organized a Speaker Session titled **Learn How Startups Turn Ideas into Funded Ventures**. The session was conducted by **Mr. Ankush Sharma**, Founder, AmbSeva, AIBellor, and Techcure Innovations Private Limited, on 10th Mar. 2026. The event aimed to introduce students to the journey of transforming innovative ideas into scalable startups and understanding how entrepreneurs secure funding to turn their concepts into real-world ventures.

Mr Sharma shared his entrepreneurial journey, outlining key stages of building a startup from identifying a problem to developing solutions and pitching to investors. He emphasized persistence, strategic planning, and adaptability to changing market needs, while highlighting the importance of understanding target audiences and solving real-world problems. He also introduced students to validating ideas through market research, developing a minimum viable product (MVP), and continuously refining solutions based on feedback.

SAHYOG

SAHYOG conducted Mock Placement 2026



SAHYOG – The Student Wellbeing Club, NIT Raipur successfully organized **Mock Placement 2026**, a student-centric initiative aimed at providing practical exposure to the

placement and recruitment process. The event was conducted over three days-14th, 15th, and 17th Jan. 2026 under the guidance of **Dr. A. K. Dash**, *Faculty (I/C), Sahyog*, and **Dr. Madhukrishna Priyadarshini**, *Faculty (I/C), Sahyog*.

Mock Placement 2026 at NIT Raipur simulated real-time placement exams and recruitment procedures, helping students assess readiness, build confidence, and improve performance. The three-stage process online assessment, group discussion, and personal interview replicated industry-level scenarios, including aptitude, technical, coding, and profile-based evaluations. Participants gained insights into question patterns, time management, and effective presentation.

Blood Donation and Health check-up Camp organized by SAHYOG



SAHYOG - Student Wellbeing Club, NIT Raipur organized a **Blood Donation and Health check-up Camp** on 31st Jan. 2026 in collaboration with AIIMS Raipur. The objective of the camp was to create awareness among students and the general public about the importance of blood donation and overall health. The inaugural ceremony was graced by the presence of *Chief Guest Mrs. Jyothi Ramana Rao*, *Guest of Honour*, **Prof. Samir Bajpai**, *Director (I/C), NIT Raipur*, along with *special guests Prof. Prakash Y. Dhekne*, *Professor, DME*, **Mrs. Anagha Dhekne**, and **Dr. Dhananjay Sahu**, *Physician, AIIMS Raipur*, and his team. The event was conducted under the guidance of **Dr. Ashish Kumar Dash**, *Faculty (I/C), Sahyog*, and **Dr. Madhukrishna Priyadarsini**, *Assistant Professor, CSE*. Faculty members, staff with families, and students were also present on the occasion.

The program began with a ribbon-cutting ceremony by **Mrs. Rao**, who emphasized blood donation as a noble, life-saving act and encouraged regular participation. **Dr. Sahu** highlighted the importance of voluntary blood donation, noting that one unit can save up to three lives, and encouraged a healthy lifestyle. **Prof. Bajpai** praised Sahyog's efforts and stressed the need for active participation in such initiatives. The Blood Donation and Health Camp included eye, dental, and homeopathy check-ups by doctors from AIIMS Raipur and other institutions. Over 300 people were screened, and more than 250 donated blood, making the camp a successful effort in promoting community participation, social responsibility, and humanitarian values.

Seminar on Global Higher Education Opportunities

Training and Placement Cell (TNP), NIT Raipur in collaboration with **Sahyog - The Student Wellbeing Club**, NIT Raipur organized a seminar on **Global Higher Education Opportunities** on 11th Feb. 2026. The session was delivered by **Mr. Nikit Shah**, *Founder & Director, Shah Overseas*, who provided expert insights into studying abroad, international admissions processes, scholarship opportunities, and global career pathways. The seminar saw active student participation and aimed to broaden their understanding of higher education prospects beyond national boundaries.

The session included insightful discussions on application strategies, university selection, and career planning, enabling students to make informed decisions about their future. An interactive feedback segment allowed participants to clarify their queries and engage directly with the speaker. Additionally, an engaging quiz competition was conducted to reinforce learning and enhance participation.

Technocracy

Prompt War by Technocracy



Technocracy, NIT Raipur organized **Prompt War**, a contemporary tech-based competition as part of AAVARTAN'25-26, on 31st Jan. 2026. The event focused on the emerging field of prompt engineering, challenging participants to translate human intent into precise AI-generated outputs by crafting effective prompts to recreate given images. The event was graced by **Dr. Govardhan Bhatt**, *Associate Professor, CE*, and **Dr. Manu Vardhan**, *Faculty (I/C), Technocracy*, whose presence added valuable academic insight and encouragement for the participants. The competition drew 60 contestants and was conducted in a multi-stage elimination format.

In the qualifier round, participants attempted three image-based challenges, evaluated using point-based scoring and structural accuracy, and the top 10 advanced to the final round. The finale introduced more complex visual challenges, leading to the elimination of four participants and the selection of the top six finalists for the final showdown. The concluding task involved an intricate visual prompt challenge, after which the top three winners were determined based on clarity, precision, creativity, and effectiveness of prompt articulation. The event

concluded with the distribution of gift prizes to the winners and digital participation certificates to all participants, successfully highlighting prompt engineering as a crucial skill in today's AI-driven technological landscape.

Innovation Workshop by Technocracy

Technocracy, NIT Raipur hosted an Innovation Workshop on 10th Feb. 2026 titled **Building an Innovative & Startup Mindset as a Student**. The session was conducted by **Ms. Shivangi Shrivastava**, *Founder, Fractional CMO, TEDx speaker, Founder of Syt Media & Co-Founder of SSA Pvt. Ltd.*, with professional experience at reputed organizations such as Walmart, Oracle, and Forbes. The event was also graced by **Prof. Samir Bajpai**, *Head, CDC*, and by faculty members and students.

The workshop focused on fostering an entrepreneurial mindset among students by addressing real-world campus challenges and sharing the speaker's professional journey. The session included an interactive segment where students presented problem statements and received guidance based on three key pillars: Clarity, Testing the Imperfect, and the Signal Test. The workshop proved highly engaging and insightful, encouraging students to think innovatively and to approach problem-solving with a structured, practical mindset.

Rajbhasha Samiti Organised Kavi Sammelan



Rajbhasha Samiti, NIT Raipur organised the Kavi Sammelan, marking a significant milestone in the promotion of Hindi literature and poetic expression on Vishwa Hindi Diwas. The programme featured captivating performances by three renowned Poets - **Shri Swayam Srivastav**, **Sushri Manika Dubey**, and **Shri Deepak Shukla**, who mesmerised the audience with their soulful, thought-provoking, and expressive compositions.

The event was graced by the esteemed presence of **Prof. Samir Bajpai**, *Director (I/C), NIT Raipur*, as the *Chief Guest*. The event was also strengthened by the esteemed presence of **Prof. Manoj Chopkar**, *Dean (SW)*, and **Prof. G. D. Ramtekkar**, *Dean (P&D)*. With the guidance and support of **Dr. Sanjay Kumar**, *Professor (I/C), Literati Committee*, **Dr. Sharada Nandan Raw**, *Faculty (I/C), Rajbhasha Samiti*, and **Dr. Vikas Kumar Vidhyarthi**, *Faculty (I/C), Rajbhasha Samiti*, the event witnessed the enthusiastic presence of students, faculty members, and their families, creating a vibrant and culturally enriching atmosphere. The event commenced with a welcome address by **Prof. Bajpai**, who

highlighted the role of poetry in shaping intellectual depth, quoting Sumitra Nandan Pant to set the tone. **Prof. Chopkar** commended the Rajbhasha Samiti for its initiative in promoting Hindi literature despite the challenges of organizing such events. After initial presentations, the poetic session began with a graceful rendition of Saraswati Vandana by **Ms. Dubey**, marking an auspicious start to the evening.

The poetic journey was then carried forward by **Mr. Shukla**, a renowned Kavi, who began his performance with a humorous and engaging introduction. One of his recitations humorously portrayed the pain of unfulfilled love and social pretence. Following this, **Ms. Dubey** took the stage and captivated the audience with her graceful, poetic singing and refined expressions of Shringar Ras. One of her memorable compositions beautifully conveyed sensitivity and optimism in relationships. The poetic baton was then passed to **Mr. Srivastava**, whose performance was a perfect blend of satire and motivation. This initiative prioritized motivation and resilience.

The event concluded with a formal Vote of Thanks and honouring the poets, expressing heartfelt gratitude to the esteemed guests, invited poets, faculty members, organisers, and all participants for their valuable presence and contributions.

Cultural Committee celebrated Makar Sankranti



Sanskriti - Cultural Committee, NIT Raipur organized **Makar Sankranti - Uttarayan and Pongal** with great enthusiasm on 14th Jan. 2026. The festival saw active participation from students and faculty, creating a vibrant, festive atmosphere on campus.

The celebration was graced by the presence of **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Prof. Samir Bajpai**, *Head, CDC*, **Prof. S. Sanyal**, *Dean (CR&RM)*, **Prof. Manoj Chopkar**, *Dean (SW)*, **Dr. Moksha Singh**, *Professor (I/C)*, **Cultural Committee** and **Prof. Naresh Kumar Nagwani**, *Professor, CSE* along with several other faculty members and students.

Students and faculty members enthusiastically participated in kite flying, symbolizing joy, unity and the spirit of togetherness traditionally associated with the festival. The celebration highlighted the institute's commitment to

preserving cultural traditions while fostering harmony and community engagement among its members.

NIT Raipur Organized Knowledge-Based Quiz competition on Veer Baal Diwas



Go Green Club, NIT Raipur organized a **Knowledge-Based Quiz Competition** on the occasion of *Veer Baal Diwas* on Friday, 26th Dec. 2025. The event was conducted under the coordination of **Dr. D. C. Jharia**, *Professor (I/C), Societal Committee*, **Dr. Govind P. Gupta**, *Faculty (I/C), Go Green Club*, **Dr. Shashi Kant Verma**, *Assistant Professor, ME*, and **Dr. Nitesh K. Bhardwaj**, *Faculty (I/C), NSS Club*.

The quiz was organized to commemorate *Veer Baal Diwas*, pay tribute to the supreme sacrifice and bravery of the *Sahibzadas*, and foster awareness of India's historical legacy through an academic and interactive platform. A total of 27 participants displayed commendable enthusiasm, presence of mind, and scholarly excellence throughout the competition. The event successfully promoted intellectual engagement and reinforced the values of courage, sacrifice, and responsibility among the youth. In this event, the first prize was bagged by **Bhirendra Sahu**, the second by **Bhavesh Gilhare**, the third by **Akash**, the fourth by **Ankush Tiwari**, the fifth by **Himanshu Verma**, and the consolation prizes by **Chandraditya Sahu** and **Chinmay Sahu**.

Aviation Club

Two-Day Aerodynamics Workshop organized by Aviation Club



Aviation Club, NIT Raipur organised a **Two-Day Aerodynamics Workshop** on 31st Jan. 2026 and 1st Feb. 2026, aimed at providing students with a comprehensive

understanding of aerodynamics, aeromodelling, and Unmanned Aerial Vehicles (UAVs), as well as their practical and societal applications. At the workshop, **Prof. N. V. Swamy Naidu**, *Faculty (I/C), Aviation Club*, and **Dr. Aruna Rana**, *PhD (Military Science)*, served as expert speakers. They were joined by their colleague, **Mr. Jaydeep Sinha**, and faculty members, along with a large number of enthusiastic students.

Prof. Naidu introduced fundamental aerodynamics, tracing aerospace development from ancient Bhardwaj Vimaan Shastra to modern aviation and defence, including UAVs in Operation Sindoor. **Dr. Rana** emphasized responsible technological innovation for societal and environmental benefit. The workshop featured ornithopter design, model and simulator flying, flight controller demonstrations, quizzes, hands-on sessions, and an aero show, helping students connect theoretical concepts with practical aerospace applications.

NIT Raipur Organises UAV Design and Racing Competition



Aviation Club, NIT Raipur successfully organized a **UAV Design and Racing Competition** on 7th and 8th Feb. 2026. The event was conducted under the guidance of **Dr. N. V. Swamy Naidu**, *Faculty (I/C), Aviation Club*, with the objective of promoting innovation, creativity, and hands-on engineering skills among students.

The competition offered a comprehensive platform for participants to experience the full lifecycle of UAV development, including design, analysis, fabrication, and flight evaluation. Through training in CAD modelling, FEM analysis, aerodynamics, and fabrication, students bridged the gap between theory and practical aerospace applications by developing fixed-wing STOL aircraft and drones. The final phase featured controlled flight missions to assess performance, stability, and efficiency, showcasing strong technical skills, teamwork, and problem-solving abilities.

In the UAV Racing category, Team Garud secured first place, followed by Team MACHX6. In the Deliver the Pizza challenge, Team MACHX6 won first place, with Team Garud as runner-up. Individual excellence was recognized for Ajay, Anmol, Ravi, and Joshnavi for their outstanding technical contributions.

Rhythm Fusion 2026 by Nrityam

Nrityam - The Dance Club, NIT Raipur organized its first professional dance workshop titled **Rhythm Fusion**. The workshop introduced students to diverse dance styles, including semi-classical, street, and commercial dance, providing an opportunity for participants to learn from experienced performers and instructors.



The program began with an address by **Dr. Anil Manjhi**, Faculty (I/C), Nrityam, highlighting the importance of artistic expression and cultural engagement. It featured semi-classical dance by Arshita and Biswapoojarini, hip-hop and Bollywood training by guest artist **Ritesh Singh Thakur**, street dance modules by **Dr. Atish Mohapatra**, aka B-Boy Cirrus, from AIIMS Raipur, and popping and locking sessions by **Dr. Prateek Modi**, Program Delivery Head at BIGNxT (Alumnus, NIT Raipur). The workshop concluded with a cypher performance, a memento presentation for the guest artists, and a Vote of Thanks by **Dr. Shruti Sharad Nagdeve**, Faculty (I/C), Nrityam- The Dance Club, NIT Raipur.

NIT Raipur's Motorsports Club organized a speaker session on Emerging Electric Vehicle Technologies



Motorsports Club, NIT Raipur organized **Voltverse: A speaker session on emerging Electric Vehicle technologies** on 14th Mar. 2026. The session featured **Dr. S. V. S. Phani Kumar Ch**, a Senior R&D Engineer at L&T, who shared insights into EV advancements, industry trends, and his research and development experience. Students, professors, and staff members were also present during the session. The event concluded with an engaging quiz and enthusiastic participation from students, encouraging them to innovate,

understand real-world problems, and pursue engineering as a journey of learning and achievement.

ROBOTiX Club organised Intra-College Robotics Competition 2026



ROBOTiX Club, NIT Raipur organized the **Intra-College Robotics Competition** on 31st Jan. 2026 and 1st Feb. 2026. The two-day event witnessed participation from students of various departments of the institute. The competition aimed to encourage innovation, technical learning, and practical application of robotics concepts among students. The programme was attended by **Dr. Meena Murmu**, Associate Dean (SW), **Dr. Ramya Selvaraj**, Faculty (I/C), IIC and **Dr. Rajesh Doriya**, Faculty (I/C), ROBOTiX Club, and students.

Dr. Doriya and **Dr. Murmu** congratulated all participants, emphasizing the importance of learning from every experience, while **Dr. Selvaraj** encouraged further innovation. The event featured technical competitions including *Robo War*, *Line Follower*, and *Robo Soccer*, showcasing students' creativity, teamwork, and problem-solving skills. Team Vortex won the Line Follower, Team PNP won Robo War, and Team Botrix Park won Robo Soccer, with runners-up recognized accordingly. The event concluded on a high note with the National Anthem.

NSS

Holi Celebration

NSS, NIT Raipur visited a local old-age home on 1st Mar. 2026 to celebrate the festival of Holi with the residents. The volunteers spread festive joy by distributing fruits, applying colours, and spending cheerful moments with the elderly, creating a warm and lively atmosphere. The interaction fostered a sense of togetherness and happiness among the residents, making the celebration truly special.

The visit aimed to uphold the spirit of the festival while promoting community engagement and social responsibility among students. It served as a meaningful initiative that strengthened the bond between the youth and the elderly, leaving behind cherished memories for both volunteers and residents.

NIT Raipur Celebrated National Youth Day 2026



NIT Raipur celebrated National Youth Day 2026 on 12th Jan. 2026, on the birth anniversary of Swami Vivekananda, with a series of inspiring activities. On this occasion, **Team NSS, NIT Raipur** organized various programs aimed at motivating youth towards creativity, discipline, social responsibility, nationalism, and self-reliance. Along with these activities, a live telecast of the address by the *Hon'ble Prime Minister of India, Shri Narendra Modi*, was held as part of the *Viksit Bharat Young Leaders Dialogue (VBYLD) 2026*.

The event was graced by the presence of **Prof. N. D. Londhe**, Registrar, NIT Raipur, **Prof. Manoj Chopkar**, Dean (SW), **Dr. S. N. Raw**, Nodal Officer, Viksit Bharat, NIT Raipur, **Dr. T. P. Sahu**, Faculty (I/C), NSS, **Dr. Nitesh K. Bhardwaj**, Faculty (I/C), NSS, **Dr. Govardhan Bhatt**, Associate Professor, CE, along with other faculty members and students.

The program began with a Poster Making Competition on the theme Choose Dreams Over Drugs, followed by prize distribution. A skit highlighted the harmful effects of drug abuse, and the Run for Swadeshi symbolized nationalism, self-reliance, and collective responsibility. The event also featured a live telecast of Hon'ble Prime Minister Shri Narendra Modi's address under **Viksit Bharat Young Leaders Dialogue 2026**, offering guidance on youth leadership and nation-building. Through these activities, NIT Raipur

reaffirmed its commitment to nurturing socially responsible and visionary youth in line with Swami Vivekananda's ideals and the national vision of a developed India.

Unnat Bharat Abhiyan Club Organizes Awareness Rally and Street Play in Rajim

Unnat Bharat Abhiyan Club (UBA CLUB), NIT Raipur conducted an awareness program **against Child Marriage** on 30th Jan. 2026, for the **Baal Vivah Mukat Bharat-2026**. The event was organised in the presence of **Prof. Sudhakar Pandey**, Regional Coordinator, UBA, **Dr. Govardhan Bhat**, PI Coordinator, UBA, NIT Raipur, and **Dr. Deepika Agrawal**, Faculty (I/C), UBA Club, faculty members and students.

The awareness program focused on eliminating child marriage and promoting the rights, education, and well-being of every child, with a vision of fostering social responsibility and a Baal Vivah Mukat Bharat. An awareness rally and a Nukkad Natak were organized at the temple premises, with students, teachers, and community members actively participating to highlight the social and legal consequences of child marriage and the importance of education and equal opportunities. The active engagement of residents and youth significantly contributed to the program's success.



Alumni Achievements

- NIT Raipur congratulates **Mr. Ajay Gupta**, (2017/MME) on securing **452nd** rank in UPSC CSE exam.



Contribution to the Institution

Donations

- NIT Raipur expresses sincere gratitude towards **Shri Amitava Sur** (Mech/1970), who has made a generous donation to the Institute.

Appeal

Ever since its establishment in 1956, the institute has been serving and maintaining steady progress to achieve a unique feat in the highly competitive area of engineering and technology. To focus on cutting-edge multidisciplinary and frontier areas of engineering and technology as well as innovation-based research, a strong and continuous financial support from alumni, faculty members, students and all well-wishers is the need of the hour. All the stakeholders of the Institute have a major role in building a corpus fund to support various teaching and research infrastructures, and other allied facilities for the welfare of students. NIT Raipur appeals to all alumni, faculty members, students, and well-wishers for their contribution to the NIT Raipur Donation Fund. **The financial donation is exempted under section 80G (5) (vi) of the Income Tax, 1961 Vide IT Order Number ITBA/EXM/S/80G/2019-20/1015830613(1) dated 29/04/2019.**

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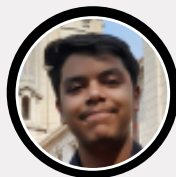


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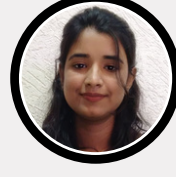
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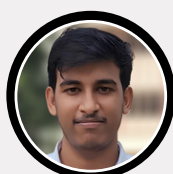
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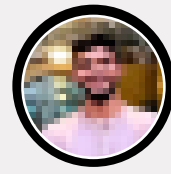
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