

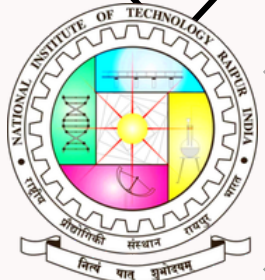
THE QUARTERLY NEWSLETTER OF NIT RAIPUR



Volume 9- Issue II

MIRROR

Reflecting the True Spirit of NIT Raipur



1st July 2026



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QUARTERLY GLIMPSSES

INAUGURATION & FOUNDATION LAYSTONE CEREMONY 2026



ANANTYA 2026



TECHNOLOGY DAY 2026



NIT RAIPUR IN MEDIA

NIT Raipur and CSPTCL partner to establish Grid Research Centre

NIT Raipur opens workshop on Chandrayaan Mission

एनआईटी और एमओएच साफ्टवेक में करार, ब्लॉकचेन तकनीक पर फोकस

NIT Raipur holds seminar on Promotion of Academic, Research Collaboration

एनआईटी में हिंदी पत्रिका अस्मिता के तीसरे संस्करण का अनावरण

एनआईटी में परमाणु ऊर्जा पर मंथन एसएमआर तकनीक भविष्य की जरूरत

**एनआईटी ने विकास की रफ्तार पकड़ी
7 नए प्रोजेक्ट से बदलेगा
कैंपस का भविष्य**

संस्थान में मानसिक स्वास्थ्य एवं मानवीय मूल्यों पर 10 दिवसीय कार्यशाला

एनआईटी टीचर्स और स्टूडेंट्स सीख रहे तनावमुक्त संतुलित जीवनशैली

NIT Raipur, Silicon Patterns sign MoU

NIT celebrates Tech Day with focus on small modular reactors

MOU स्मार्ट ग्रिड एनालिसिस व तकनीकी सुधार पर रिसर्च, यूथ को स्किल डेवलपमेंट का मिलेगा मौका
1 करोड़ रु. से NIT में बनेगा राज्य का पहला ग्रिड रिसर्च, इंटेलिजेंस एंड डायग्नोस्टिक सेंटर

NIT Raipur organises series of events on Ambedkar Jayanti

NIT Raipur inaugurates weeklong FDP 'FADLDS-2026'

एनआईटी में डीप लर्निंग और कंप्यूटर विज्ञान पर राष्ट्रीय कार्यशाला शुरू

NIT Raipur signs tripartite MoU in Dhamtari

● राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर में 'अनंत्य 2026' का शुभारंभ, मध्य भारत का प्रमुख तकनीकी महोत्सव
मैदान में उतरे रोबोट, ट्रैक पर दौड़ें गाड़ियां, एआई शील्ड चैलेंज में दिखा छात्रों का तकनीकी टैलेंट

एनआईटी में टेक्नो फेस्ट, सीवरेज में मानव न घुसे इसलिए छात्रों ने बनाया कैप्सूल

उपलब्धि: 10,372 करोड़ के एआई मिशन में बड़ी सौगात, टेक्नोलॉजी सेक्टर को मिलेगा नया आयाम
एआई की दौड़ में छत्तीसगढ़ की छलांग
एनआईटी-आईआईआईटी को मिली बड़ी जिम्मेदारी

NIT Raipur signs MoU with LTTS

NIT launches PG courses on CSE and AI

रिसर्च, आधुनिक शिक्षा के लिए एनआईटी में नए प्रोजेक्ट शुरू

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Institute News

NIT Raipur inaugurated New Facilities and laid foundation stones for Infrastructure Projects



NIT Raipur organized a series of inauguration and foundation-stone laying ceremonies for seven new infrastructure facilities on 29th May 2026. The initiatives included the inauguration of the **NITRRFIE Incubation Centre**, Public EV Charging Station, G+6 Academic Annex-I Block and Indian Knowledge System Library, along with the foundation laying of the High-Voltage Impulse Testing Laboratory, Platinum Guest House, and Makerspace and Research Facility Block. These developments aim to strengthen the institute's academic, research, innovation, hospitality, and sustainability infrastructure in alignment with the National Education Policy 2020 and the vision of Viksit Bharat 2047. The facilities were inaugurated by **Dr. Suresh Haware**, *Chairman, BoG, NIT Raipur*, and attended by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, along with deans, faculty members, staff, students, alumni, and invited dignitaries.

The NITRRFIE Incubation Centre was inaugurated on the second floor of the Golden Tower. Developed over 5,500 sq. ft. at a cost of approximately Rs. 1 crore, it is the first DST-NIDHI Technology Business Incubator in Chhattisgarh, and supports more than 50 startups in Clean-tech, ICT, and multidisciplinary technology domains. A Public EV Charging Station with two chargers of up to 60 kW AC/DC capacity was also inaugurated under the Ministry of Power's Revenue Sharing Model. The newly constructed G+6 Academic Annex-I Block, developed at a cost of approx. Rs. 25.57 crore with a built-up area of 4,800 sq. m., comprises 35 rooms for departmental classrooms. The sequence of inaugurations concluded with the opening of the Indian Knowledge System Library Section at the Central Library, which offers books, manuscripts, journals and reference materials on India's intellectual, philosophical, scientific and cultural heritage.

The foundation stone of the High-Voltage Impulse Testing Laboratory was laid adjacent to the Golden Tower. The proposed G+2 facility, estimated at Rs. 9.12 crore with a CSR

contribution of Rs. 1 crore from CSPTCL, is expected to strengthen research, testing, and training in power-system engineering and high-voltage applications. The foundation stone for the Platinum Guest House, built to commemorate the Institute's Platinum Jubilee, was also laid. The G+5 facility, estimated at Rs. 13.27 crores, will include more than 20 rooms, a conference hall, and modern amenities. In addition, the foundation of the Makerspace and Research Facility Block was laid behind the Department of Chemical Engineering. The G+2 facility, estimated at Rs. 16.91 crore, will house a Makerspace and Tinkering Laboratory along with a dedicated Research Project Block and is expected to be completed within 12 months.



Addressing the gathering, **Dr. Haware** appreciated the efforts of the planning and development teams and highlighted the importance of creating an innovative, inclusive, sustainable and globally competitive campus. **Prof. Rao** noted that the newly inaugurated and proposed facilities reflect a holistic approach to institutional growth by supporting startup incubation, sustainable mobility, advanced research, academic development, innovation, and the preservation of Indian knowledge traditions.

NIT Raipur celebrated National Technology Day



NIT Raipur, in collaboration with the **Confederation of Indian Industry (CII)**, organized **Technology Day Celebration** on 28th May 2026 on the theme **SMR: Small Modular Reactor - Concept to Realization**. The inaugural session was attended by **Shri K. N. Vyas**, *Homi Bhabha Chair Professor & Former Chairman, AEC*, as the *Chief Guest*, along with **Dr. Suresh Haware**, *Chairman, BoG, NIT Raipur*, **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, **Shri S. K. Sharma**, *Former CMD, NPCIL, Mumbai*, **Shri Rajesh Kumar Shukla**, *MD, CSPTCL*, **Shri Hemant Verma**, *Chairman, Tripura Electricity Regulatory Commission*, and **Shri Bajrang Goel**, *Chairman, CII Chhattisgarh State Council*. Representatives from industries including Hira Group, Sarda Group, Mahindra Group, CII, NTPC Limited,

Chhattisgarh State Electricity Board, solar energy organizations, along with deans, heads of departments, faculty members, and students participated in the program.

In his welcome address, **Prof. Rao** highlighted the importance of SMRs for ensuring clean and sustainable energy security, while emphasizing Chhattisgarh's emergence as an energy hub and active engagement of NIT Raipur in SMR research and industry collaboration. **Shri Goel** underscored the role of the SHANTI Bill in strengthening India's nuclear ecosystem through private participation and innovation-driven collaboration. Delivering the keynote address, **Shri Vyas** discussed indigenous reactor technologies, India's net-zero goals, SMR advantages, and evolving nuclear safety frameworks, while stressing the need for sustained institutional support for nuclear expansion.

The technical sessions focused on policy, safety, regulation, and deployment aspects of SMRs. Speakers including **Shri Sharma**, **Dr. Haware**, **Shri Shukla**, **Shri Verma**, and **Prof. Avinash Chandra Pandey**, *Director, Inter University Accelerator Centre* highlighted regulatory reforms, safety governance, industry-academia collaboration, grid reliability, waste management, and public trust in nuclear energy. **Shri Ajai Kumar Singh**, *Member, Chhattisgarh Electricity Regulatory Commission*, outlined Chhattisgarh's future nuclear power plants, while **Shri Jayanta Ghosh** presented technical perspectives on nuclear energy and SMR technologies.

The day-long celebration concluded with an interactive discussion session where students and participants engaged with the speakers on SMRs and indigenous technologies. This was followed by a valuable feedback session and a formal Vote of Thanks by **Dr. Archana Sharma**, *ANRF PM Professor, NIT Raipur*, expressing gratitude to all dignitaries, industry representatives, faculty members, and participants for making the event successful. The event ended with a graceful conclusion and highlighted the commitment of NIT Raipur to clean energy innovation and strong industry-academia collaboration.

NIT Raipur Celebrated Ambedkar Jayanti



NIT Raipur celebrated Ambedkar Jayanti with great enthusiasm through a series of events on 14th Apr. 2026, commemorating the legacy of Dr. B. R. Ambedkar. The programme was graced with the presence of **Prof. N.V. Ramana Rao**, *Director, NIT Raipur*, as the *Chief Guest*, along with other distinguished dignitaries including **Prof. Manoj Chopkar**, *Dean (SW)*, **Dr. Sanjay Kumar**, *Associate*

Professor, IT, **Prof. Sharada Nandan Raw**, *Professor, DoM*, **Dr. Pavan Kumar Mishra**, *Associate Professor, IT*, **Dr. Meena Murmu**, *Associate Professor, CE*, **Dr. Govardhan Bhat**, *Associate Professor, CE*, along with **Dr. Tirath Prasad Sahu**, *Faculty (I/C), NSS* and **Dr. Nitesh Kumar Bhardwaj**, *Faculty (I/C), NSS*.

Prof. Rao addressed the gathering, highlighting Dr. B. R. Ambedkar's monumental contributions to the Constitution of India and his unwavering commitment to democracy, social justice, and equality. He urged students to draw inspiration from Dr. Ambedkar's life and uphold democratic values. He also described Dr. Ambedkar as a distinguished social reformer, economist, and politician who championed the rights of the marginalized, fought against untouchability, advocated women's emancipation, and played a pivotal role in shaping the Constitution. Prof. Rao further highlighted Dr. Ambedkar's lifelong pursuit of knowledge, reflected in his personal library of over 50,000 rare books. A documentary by the Films Division of India showcased Dr. Ambedkar's life and legacy, including his struggle against untouchability, contributions as a lawyer and legislator, advocacy for minority rights and efforts towards women's empowerment and education.

The programme concluded with a prize distribution ceremony for competitions organized by Team NSS, including Debate, Quiz, Letter to Dr. Ambedkar and Think Act Change. The winners were **Abhijeet Kumar** and **Swara** (Quiz), **Koushik** and **Jagriti Singh** (Debate), and **Shubham Chandra** and **Jagriti Singh** (Letter Writing). The event concluded with a Vote of Thanks by **Dr. Tirath Prasad Sahu**, leaving participants inspired by Dr. Ambedkar's enduring ideals of equality, justice, and democratic values.

NIT Raipur Launched New M.Tech. Programmes in CSE and AI & Data Science

NIT Raipur has launched two new postgraduate programmes, **M.Tech. in Computer Science & Engineering** and **M.Tech. in Artificial Intelligence & Data Science**, from the Academic Session 2026–27. Admissions to both programmes will be conducted through the CCMT 2026 counselling process for candidates possessing valid GATE scores. Applicants should possess a BE/B.Tech. degree in relevant disciplines, a four-year BS degree, or an MCA qualification. The minimum eligibility requirement is 6.5 CGPA or 60% marks for General, GEN-EWS, and OBC candidates, while 6.0 CGPA or 55% marks are required for SC, ST, and PwD candidates.

Prof. Dilip Singh Sisodia, *HoD, CSE*, stated that the programmes have been introduced to provide advanced technical knowledge and research exposure in emerging areas of computing and Artificial Intelligence. He highlighted that the curriculum has been designed in accordance with current industry requirements and research trends, with emphasis on Artificial Intelligence, Data Science, Cyber Security, Machine Learning, and advanced computing. He further noted that students will gain practical experience through internships,

laboratory work, seminars, and capstone projects focused on real-world problem solving.

NIT Raipur Organized One-Day Seminar on Global Collaboration and Academic Exchange



NIT Raipur organized a one-day seminar on **Global Collaboration and Academic Exchange** on 25th May 2026. The seminar witnessed enthusiastic participation from faculty members of the institute. The distinguished guests included **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*; **Dr. Akira Yamanaka**, *Ehime University*; **Dr. C. Krishna Mohan**, *Professor, CSE, IIT Hyderabad*; and **Dr. D. V. L. N. Somayajulu**, *Director, NIT Manipur*.

During his keynote address, **Dr. Yamanaka** explained how Artificial Intelligence can visualize tactical tacit knowledge, which is context-dependent, time-sensitive, and non-verbal. He presented a three-tier architecture comprising human interfaces, AI processing, and hardware sensors to bridge subjective intuition and engineering. Referring to his research based on the SECI model (Socialization, Externalization, Combination, and Internalization), he highlighted the development of knowledge circulation systems that use physical tracking and sensor-generated data to reduce reliance on subjective expertise and transform tacit knowledge into objective tactical models and simulations. Addressing the gathering, **Prof. Rao** emphasized the importance of international collaborations in strengthening research opportunities and securing academic funding. He welcomed **Dr. Yamanaka** as the first visiting expert from Japan to the institute and highlighted the value of global partnerships in advancing institutional growth. **Dr. Mohan** discussed the long-standing collaboration between Ehime University and IIT Hyderabad and highlighted opportunities for faculty and student exchange programmes across disciplines. **Dr. Somayajulu** appreciated the initiative and emphasized the role of international academic collaborations in creating mutual learning opportunities for students and researchers from India and Japan. The seminar concluded with the presentation of mementos to **Dr. Yamanaka**, **Dr. Mohan**, and **Dr. Somayajulu**.

NIT Raipur Organized Cricket Premier League (CPL 3.0)



NIT Raipur commenced the 3rd edition of the **NIT Raipur Cricket Premier League (CPL 3.0)** with great enthusiasm and sporting spirit on 23rd May 2026. The tournament features four competitive teams: **NIT Thunder**, **NIT Titans**, **NIT Warriors**, and **NIT Blasters**. The tournament is being played in a double league format, where each team faced the others twice during the league stage. At the end of the league phase, the top two teams in the points table qualified for the grand finale. A total of 13 matches were scheduled in the tournament.

The opening ceremony and inaugural match were graced by the esteemed presence of **Prof. Narendra D. Londhe**, *Registrar, NIT Raipur*, **Prof. Manoj Kumar Chokpkar**, *Dean (SW)*, **Prof. Shirish V. Deo**, *Professor, CE*, **Prof. Ayush Khare**, *Professor, DoP*, **Dr. Pavan Kumar Mishra**, *Associate Professor, IT*, and **Dr. Harendra Kumar Narang**, *Associate Professor, ME* who encouraged the participants and appreciated the spirit of sportsmanship and camaraderie among the NITRR community. CPL 3.0 has brought together faculty members, staff, and PhD scholars, who have been equally distributed among the four teams to promote Fit India movement, inclusiveness, teamwork, and healthy competition within the institute community.

The organizers also acknowledged the valuable support of the sponsors, *Bank of India*, *Surana Stores*, and *Madhur Enterprises*, whose contribution has played an important role in the successful organization of the event. With exciting matches lined up in the coming days, CPL 3.0 promises to deliver thrilling cricketing action and strengthen the bond among members of the NITRR family through sports and recreation.

NIT Raipur Organised Lecture on Rigved Nasadiya Sukta and the Big Bang Theory



NIT Raipur, The Indian Knowledge Systems (IKS) Centre, organized a lecture session on **Literacy to Liberty – Rigved Nasadiya Sukta and the Big Bang Theory** on 27th Mar. 2026. The session aimed to explore ancient Indian perspectives on the origin of the universe and their connections with modern cosmology. **Prof. Samir Bajpai**, *Director (In-Charge), NIT Raipur*, graced the occasion as *Chief Guest*. The keynote lecture was delivered by **Shri K. E. N. Raghavan**, *Social Activist* and expert in sustainable agriculture. **Prof. Toshan Meenpal**, *Chairperson, IKS Centre, NIT Raipur*, extended his greetings and highlighted the values of discipline, duty and truth. In his address, **Prof. Bajpai** emphasized that ancient Indian texts contain deep insights that can complement modern scientific research and innovation.

Shri Raghavan, in his lecture, discussed the *Nasadiya Sukta* of the *Rigveda*, explaining its philosophical inquiry into creation, existence, and the universe. He drew parallels between these ancient ideas and modern cosmological concepts such as the Big Bang Theory. The session provided a platform for meaningful academic discussion on the relevance of Indian knowledge systems in contemporary science. It concluded with an interactive session and a *Vote of Thanks*.

NIT Raipur celebrated World Water Day



NIT Raipur's Centre for Mahanadi River Basin Management and Studies successfully organized a seminar on **River Basin and Water Management: Challenges and Opportunities** on 25th Mar. 2026, commemorating **World Water Day**. The session was graced by the esteemed presence of **Shri Rajesh Sukumar Toppo**, *Secretary, Water Resources Department (WRD), CG*, as the *Chief Guest*; **Shri Raju Agasimani**, *IFS, Member Secretary, Chhattisgarh Environment Conservation Board (CREB)*, as the *Guest of Honour*; and **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, presided over the function. **Dr. Ishtiyahq Ahmad**, *Co-Coordinator of the cMahanadi project*, welcomed the guests and provided a brief review of the work done by the centre. The highlight of the seminar was the keynote address delivered by **Prof. Dr. Vinod Tare**, *Professor Emeritus, IIT Kanpur and Founding Head of C-Ganga project*. **Dr. Tare** provided valuable insights on the need for decentralised basin management through the **District River Management Plans (DRMP)**, highlighting districts as effective administrative units. He further discussed the concept of *Samarth Ganga*, emphasizing both the quality and quantity of river flow, and highlighted biodiversity as an indicator of water health while advocating for knowledge centres at NITs to promote awareness and data-driven decision-making.

Shri Agasimani emphasized the importance of division-level planning and district-level implementation, while underlining the need for rational treatment standards to ensure the sustainability of the local ecology, including the flora and fauna of the water bodies. **Shri Toppo** shared key takeaways for the younger generation. He appreciated the need for a decentralised approach in water management and its positive impact on local water bodies and overall aesthetics of the area. The event commenced with an address by **Prof. Rao**, who highlighted the urgent need for sustainable and integrated water resource management. He stressed the importance of innovation, modern technologies, and stakeholder participation in addressing these issues. The program concluded with a *Vote of Thanks* delivered by **Prof. Samir Bajpai**, *Head, CDC*, who expressed sincere gratitude to all the

dignitaries, speakers, and participants for their valuable presence and contributions.

NIT Raipur and Chhattisgarh Rajya Police Academy Organise Expert Session on Digital Media Security



NIT Raipur, in collaboration with **Chhattisgarh Rajya Police Academy (CRPA), Chandkhuri, Raipur**, organized an expert session on **Artificial Intelligence, Deepfake Detection, Digital Media Security & Emerging Technologies in Modern Policing** on 4th Jun. 2026, under the **Scheme for Promotion of Academic and Research Collaboration (SPARC)**, Ministry of Education, Government of India. The programme aimed to strengthen academic-government collaboration and facilitate knowledge exchange on Artificial Intelligence, cybersecurity, digital forensics and their applications in law enforcement. The programme was graced by **Shri Ajay Kumar Yadav**, *IPS, Director, Netaji Subhash Chandra Bose State Police Academy, Chandkhuri*. The expert speakers were **Dr. Preeti Chandrakar**, *Associate Professor, CSE*, and **Dr. Zahid Akhtar**, *Assistant Professor, State University of New York Polytechnic Institute, USA*. The programme witnessed active participation from DSPs under training and police officers of the academy and was organized with the support of **Shri Deepanshu Kabra**, *IPS, ADGP, Police Headquarters, Raipur*.

The programme commenced with an introduction to the growing role of Artificial Intelligence and advanced digital technologies in modern policing. **Dr. Chandrakar** discussed the applications of Artificial Intelligence, cybersecurity, and blockchain technologies in modern policing. She highlighted AI-enabled safe-route prediction systems, predictive alerts, blockchain-based evidence management, facial recognition through CCTV footage, and AI-assisted approaches for detecting financial crimes. She emphasized the role of intelligent technologies in crime prevention, investigation, and digital evidence management.

Dr. Akhtar presented recent developments in deepfake detection, digital media security, cybersecurity, digital forensics, and trustworthy AI systems. He discussed challenges related to digital misinformation, biometric spoofing, cyber frauds, and vulnerabilities in digital infrastructure, while highlighting AI-driven analytics, real-time crime centres, natural language processing, and future-ready public safety solutions. The programme concluded with an interactive discussion on large language models, AI security, deepfake detection, and the deployment of AI-based solutions in policing.

NIT Raipur Celebrated 12th International Day of Yoga



NIT Raipur celebrated the 12th International Day of Yoga on 21st June 2026. The theme of this year's International Day of Yoga was *Yoga for Healthy Ageing*. **Prof. N. V. Ramana Rao**, Director, NIT Raipur, graced the occasion as the *Chief Guest*. Also present were **Prof. Manoj Chopkar**, Dean (SW), and **Prof. Samir Bajpai**, HoD, DHSS. The event witnessed enthusiastic participation from **Prof. Narendra D. Londhe**, Registrar, NIT Raipur; **Prof. Shrish Verma**, Professor, ECE, **Prof. P. Y. Dhekne**, Professor, DME; **Prof. Manoj Pradhan**, Professor, DME; faculty members, institute staff, family members, and students. The program was coordinated by **Dr. Debashish Mishra**, Faculty In-Charge, Yoga Club along with **Dr. Manju Shukla**, Yoga Faculty, and **Mr. Suraj Nishad**, Yoga Faculty, DHSS.

The Hon'ble Prime Minister, through his online address, encouraged everyone to understand the importance of yoga and make it an integral part of their daily lives. Following the address, participants practiced various Yog asanas and pranayama exercises under the Common Yoga Protocol. **Dr. Manju Shukla** emphasized that yoga is extremely important for the health of the body, mind, and soul. She stated that small positive habits can bring significant positive changes in life.

Prof. Rao congratulated everyone on the successful organization of the event and stressed that yoga is essential for every individual. He said that regular yoga practice helps reduce pain, improves students' concentration, and enhances both mental and physical well-being. During a yoga camp organized by the institute in the preceding days, a yoga competition had also been conducted. The winners were announced and awarded prizes during this program. The ceremony concluded with a vote of thanks delivered by **Prof. Bajpai**.

Yoga & Meditation Programme Organized at Mahadev Ghat with the Message of River Conservation



NIT Raipur, in collaboration with Centre for Mahanadi River Basin Management Studies (cMahanadi) organized Ghat Par Yoga & Meditation programme at Mahadev Ghat, Raipur, on the occasion of International Yoga Day 2026, under the Condition Assessment and Management Plan (CAMP), supported by the National River Conservation Directorate (NRCD), Ministry of Jal Shakti, Government of India.

The programme aimed to strengthen the connection between people and rivers, promote environmental awareness, and encourage community participation in river conservation through yoga, meditation, and direct action. Organized under the theme **Connect with the River, Connect with Yourself**, the event highlighted the close relationship between human well-being, environmental stewardship, and sustainable river management.

Addressing the gathering, **Prof. Samir Bajpai**, Centre Head and Coordinator, cMahanadi, NIT Raipur, emphasized that rivers are not merely sources of water but lifelines that sustain biodiversity, livelihoods, cultural heritage, and regional development. The yoga and meditation sessions were conducted under the guidance of **Mr. Raju Sharma** and **Mr. Ujjwal Dubey** from the Chhattisgarh Hasya Yog Kendra. Participants enthusiastically performed yoga asanas, pranayama, and Surya Namaskar, experiencing the benefits of physical fitness, mental well-being, and inner harmony in the serene riverfront environment.

One of the key highlights of the programme was the River Conservation Pledge, during which participants collectively resolved to keep rivers and ghats clean. A Ghat Cleanliness Drive was undertaken with enthusiastic participation from students, volunteers, officials, and local residents. **Mr. Abhijay Rathore** and his team from SitaRam Sangathan played a leading role in the activity. Participants collected waste from the ghat and surrounding riverbank areas, demonstrating environmental responsibility through community action. The event was also graced by **Mr. K.K. Verma**, from Green Army, and an alumnus of NIT Raipur (Batch of 1978). He highlighted the importance of community-led environmental initiatives and encouraged citizens to transform river conservation into a people's movement.

The successful organization of the programme was made possible through the dedicated efforts of the cMahanadi project team, including **Dr. Sandeep Soni**, Senior Project Scientist, **Dr. Amit Kumar Shukla**, Project Scientist, **Dr. Kshitij Upadhyay**, Project Scientist, and **Mr. Satyajeet Sahu**, Project Associate. The programme concluded with a group photograph and a formal vote of thanks.

NIT Raipur's Aashirwad Society organized a visit to Prerna Hostel

NIT Raipur's Aashirwad Society organized a visit to **Prerna Hostel**, National Association for the Blind, Hirapur. During the visit, essential items such as fruits, napkins, and refreshments were distributed, along with school uniform

materials. The interaction with students highlighted their determination and positivity, making the initiative both impactful and inspiring. **Mrs. Jyoti Ramana Rao**, **Mrs. Jayshree Dhekne**, **Prof. Priyanka Tripathi**, *Professor, MCA*, **Dr. Meena Murmu**, *Associate Professor, CE*, and **Dr. Mridu Sahu**, *Associate Professor, IT*, and other members were present during this visit to support visually impaired students.



Alumni Meet' 26 Organized

The Alumni Association GEC NIT Raipur, organized the **Vizag Chapter Alumni Meet** on 6th Jun. 2026, bringing together alumni for a memorable evening of reconnecting and networking. It also organized the **USA Chapter Alumni Meet** on 31st May 2026, bringing together alumni residing across the United States for a memorable get-together. The events featured warm reunions, engaging discussions, and the sharing of professional experiences among alumni serving in various government and private organizations. The gathering strengthened alumni bonds and reaffirmed their commitment to staying connected with and contributing to their alma mater.

COSINE

NIT Raipur inaugurated Five-Day Workshop on Chandrayaan Mission and Applications



NIT Raipur's Centre for Space and Interplanetary Exploration (COSINE), in collaboration with the **Indian Space Research Organization (ISRO)**, organized a five-day offline workshop on the Chandrayaan Mission and its Applications, with the inaugural ceremony held on 16th Mar. 2026. The workshop continued till 20th Mar. 2026. The primary aim of this workshop was to provide participants with knowledge about Chandrayaan-1 and Chandrayaan-2 missions and their scientific applications.

The *Chief Guest* of the inauguration was **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*. Other distinguished guests included **Ms. S. Meghla**, *Deputy Director, ISRO (Lunar Science and Exploration)*, **Prof. Shubhashis Sanyal**, *Dean (CR&RM) and Mentor, COSINE, NIT Raipur*, and **Prof. Narendra D. Londhe**, *Registrar, NIT Raipur*. Also present were the workshop coordinators **Dr. Himanshu Govil**, *Associate Professor, DAG*, and **Dr. Kapil Kumar Soni**,

Assistant Professor, IT; **Dr. Saurabh Gupta**, *Head, COSINE*; **Dr. Ramya Selvaraj**, *Assistant Professor, EE, COSINE* members, and participants.

The program began with a welcome address by **Dr. Govil**, who highlighted the importance of capacity building through planetary missions. He emphasized that such programs inspire students and researchers to engage in space science. Following this, **Prof. Londhe** expressed his thoughts on ISRO's remarkable achievements in space exploration. He praised the success of the Chandrayaan missions and noted that despite initial setbacks, ISRO achieved success in a short time, demonstrating its global capability.

Dr. Sanyal said that workshops like this create new opportunities in the field of space science. He also emphasized the need for the development of space technology in central India. **Prof. Rao** spoke about the achievements of the Chandrayaan program. He shared that these missions provided crucial scientific information regarding the presence of water and other elements on the Moon. On this occasion, Ms. S. Meghla thanked NIT Raipur for organizing this significant event and shared detailed insights into lunar missions during the workshop. The program concluded with a Vote of Thanks by **Dr. Gupta**, who expressed gratitude to all guests and collaborators and expressed hope that future collaboration between NIT Raipur and ISRO would grow even stronger.

MoUs

NIT Raipur and L&T Technology Services (LTTS)



NIT Raipur has signed a **Memorandum of Understanding (MoU)** with **L&T Technology Services (LTTS)**, a Bangalore-based firm specializing in Electric Vehicle Technology with advanced lab and testing facilities for EV charging structure, electric drives, and its other accessories to promote research, innovation, and entrepreneurship in emerging domains contributing to the vision of *Atmanirbhar Bharat*. The MoU was formally signed by **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, and **Er. Vasu M**, *Chief Principal Architect, L&T Technology Services*. On this occasion, **Prof. Shubhrata Gupta**, *Dean (Academics)*, **Prof. G. D. Ramtekkar**, *Dean (P&D)*, **Prof. Samir Bajpai**, *Head, CDC*, **Prof. Shubhashis Sanyal**, *Dean (CR&RM)*, and other faculty members were present. The collaboration will be coordinated by **Prof. Sachin Jain**, *Professor, EE*; **Prof. Subhojit Ghosh**, *Professor, EE*; **Dr. Dhanavath Suresh**, *Assistant Professor, EE*; **Dr. Rajan Kumar**, *Assistant*

Professor, EE; and **Dr. Ravindra Chauhan**, Technical Officer, CCC, from NIT Raipur.

Under this collaboration, NIT Raipur and LTTS would jointly work on the design and development of Axial Flux Motor solutions, advanced control algorithms for electric vehicles, advanced power electronics, and research in electric machine technologies. The partnership will also explore the deployment of PhD scholars from NIT Raipur at the LTTS E-Mobility Lab, Bengaluru, to work closely with the EV practice team on collaborative research activities. Both institutions will further collaborate in organizing technologically advanced management and training programmes, seminars, workshops, symposia, and customized short-term courses for students, researchers, faculty members, and industry professionals. The agreement also includes provisions for internships, industrial visits, in-plant training, student projects, startup incubation support, industry-oriented research initiatives, and regular project reviews to ensure the effective implementation and progress of collaborative activities.

NIT Raipur & MOHSoft Tech



NIT Raipur has signed a **Memorandum of Understanding (MoU)** with **MOHSoft Tech Private Limited**, a Hyderabad-based firm specializing in **Advanced Blockchain Integrations with Artificial Intelligence and Machine Learning (ABIAM)**, to promote research, innovation, and entrepreneurship in emerging domains contributing to the vision of *Atmanirbhar Bharat*. The MoU was formally signed by **Prof. N. V. Ramana Rao**, Director, NIT Raipur, and **Subha Chaganty**, CEO & Founder, MOHSoft Tech Pvt. Ltd. The occasion was graced by **Prof. Samir Bajpai**, Director (I/C), NIT Raipur, **Prof. Narendra D. Londhe**, Registrar, NIT Raipur, and **Prof. Shubhashis Sanyal**, Dean (CR & RM). The collaboration will be coordinated by **Prof. Rakesh Tripathi**, Professor, IT, **Dr. Jatoth Chandrashekhar**, Associate Professor, IT, and **Dr. Ravindra Chauhan**, Technical Officer, CCC from NIT Raipur, along with **Mr. Rahul Singh** from MOHSoft Tech.

Under this collaboration, MOHSoft will work closely with the *Applied Blockchain Centre (ABC)* of the institute to identify impactful use cases, develop Proofs of Concept (PoCs), and promote advanced research and skill development. The partnership will also focus on developing ABIAM solutions in areas of *FinTech*, *Cybersecurity*, *Governance* and *Digital transformation*. Additionally, it will support startup incubation and industry-oriented research initiatives. As part of the agreement, MOHSoft will conduct quarterly workshops for students and faculty, with selected innovative ideas being

recognized and awarded based on merit and societal impact. The collaboration will also include internship opportunities and regular project reviews to ensure effective implementation

NIT Raipur Partnered with CSPTCL to Establish Grid Research Centre Under CSR Initiative



NIT Raipur and Chhattisgarh State Power Transmission Company Limited (CSPTCL) have partnered to promote research and development in the field of electrical power transmission. In response to NIT Raipur's proposal for establishing a Grid Research, Intelligence, and Diagnostic Centre, CSPTCL approved financial support through its **Corporate Social Responsibility (CSR)** fund. The initial project funding was sanctioned based on the recommendations of **Shri Subodh Singh**, IAS, Chairman, Transmission, and **Dr. Rohit Yadav**, IAS, Chairman, Distribution & Generation. On 21st Apr. 2026, **Shri R.K. Shukla**, Managing Director, CSPTCL, formally handed over the approval and allocation letter to **Prof. N.V. Ramana Rao**, Director, NIT Raipur.

Speaking on the occasion, **Mr. Shukla** highlighted that while CSPTCL has actively contributed to community development initiatives, this marks the company's first CSR investment in research and development. The proposed centre, the first of its kind in Chhattisgarh, will focus on advanced electrical testing, smart grid analysis, skill development, and power sector research. Equipped with NABL-accredited testing facilities, the centre will support CSPTCL, industries, MSMEs, and educational institutions while creating employment opportunities and enhancing technical capabilities in the state. The event was attended by **Mrs. Rashmi Verma**, Chief Engineer (HR), **Mr. Arun Mishra**, Company Secretary, **Ms. Archana Sharma**, **Prof. N.D. Londhe**, Registrar, NIT Raipur, **Dr. K. Chandrasekaran**, Associate Professor, EE, **Dr. Ramya Selvaraj**, Assistant Professor, EE, and other officials from CSPTCL and NIT Raipur.

NIT Raipur and Solar Industries India Limited (SIIL), Nagpur



NIT Raipur signed a Memorandum of Understanding (MoU) with **Solar Industries India Limited (SIIL)**, Nagpur, on 17th Dec. 2025 to strengthen collaboration in research, education, and skill development related to the mines and mineral sector. The partnership recognizes the importance of research and development, the need for highly skilled manpower, and the benefits of pooling expertise and resources for mutual growth. Under the agreement, both institutions will collaborate on projects related to drilling and blasting while facilitating the exchange of academic and research information, publications, and educational resources. *SIIL* will also provide opportunities for industrial visits, mining training, student projects, and internships for *NIT Raipur* students on mutually agreed terms. The collaboration is expected to enhance industry-academia interaction, practical learning, and research outcomes in the mining and mineral sector.

NIT Raipur and VY Hospital



NIT Raipur signed a Memorandum of Understanding (MoU) with **VY Hospital, Raipur**, to promote academic and research collaboration in healthcare and allied engineering domains. The MoU was formally signed and exchanged by **Prof. N. V. Ramana Rao**, Director, *NIT Raipur*, and **Dr. Purnendu Saxena**, Director, *VY Hospital*. The event was attended by **Prof. Narendra D. Londhe**, Registrar, *NIT Raipur*; **Prof. Shrish Verma**, Professor, *ECE*; **Prof. Archana Sharma**, ANRF Prime Minister Professor, *NIT Raipur*; **Prof. Toshan Meenpal**, Professor, *ECE*; **Dr. P. U. Prakash Saxena**, Consultant Oncologist, *VY Hospital*; and **Dr. Bijayananda Patnaik**, Associate Professor, *ECE*, among others.

The agreement aims to foster interdisciplinary and translational research in areas such as biomedical engineering, diagnostics, medical technologies, and data analytics. It will also facilitate student training, internships, clinical exposure, and joint development of innovative healthcare solutions. Under this collaboration, both institutions will work together on joint research projects, publications, patents, and funded proposals. The partnership is expected to contribute significantly to improving healthcare delivery, affordability, and technological advancements.

NIT Raipur and Silicon Patterns Hyderabad



Department of Electronics and Communication Engineering, NIT Raipur, signed a Memorandum of Understanding (MoU) with **Silicon Patterns, Hyderabad**, on 24th Apr. 2026. This collaboration marks an important step toward strengthening industry-academia interaction in the field of semiconductor and VLSI design. The MoU focuses on developing industry-ready talent by enhancing hands-on learning and providing students with real-world exposure to semiconductor technologies. It aligns with national initiatives such as Skill Development and *Atmanirbhar Bharat*, aiming to promote indigenous design capabilities and innovation.

Under this collaboration, students will benefit from experiential learning opportunities, including exposure to industry practices, access to government-supported EDA tools, and participation in skill-based training. The partnership also emphasizes ethical, responsible, and sustainable technology development, while fostering long-term collaboration in line with Meet and AICTE guidelines.

The ceremony was graced by **Prof. N. V. Ramana Rao**, Director, *NIT Raipur*, **Prof. Shrish Verma**, Professor, *ECE*, **Prof. Shubhashis Sanyal**, Professor, *ME*, **Dr. Bijayananda Patnaik**, Associate professor, *ECE*, **Prof. B. Acharya**, Professor, *ECE*, **Prof. Chitrakant Sahu**, Professor, *ECE*, and **Dr. Alok Naugarhiya**, Associate Professor, *ECE*. Representing Silicon Patterns were **Mr. Rajkumar**, Director, *Raipur Division*; **Dr. Namrata Gupta**, Design and Verification Engineer, *Silicon Patterns*; **Mr. Pankaj Choubey**, Technical Consultant, *Mitra Solution*; and **Ms. Akanksha Sinha**, Consultant, *Wells Fargo*. This MoU is expected to significantly enhance the employability and innovation capacity of engineering graduates, while contributing to India's vision of becoming a self-reliant leader in semiconductor technology.

NIT Raipur and The DEAR Foundation Switzerland



NIT Raipur signed a Memorandum of Understanding (MoU) with **The DEAR Foundation Switzerland** at *NIT Raipur* campus, marking an important step toward promoting women's health awareness and supporting economically weaker female students. The MoU was formally signed by **Prof. N. V. Ramana Rao**, Director, *NIT Raipur*, and **Ms. Sonja Dinner**, President, *The DEAR Foundation Switzerland*, in the distinguished presence of **Prof. Samir Bajpai**, Head, *DHSS*, **Prof. Narendra D. Londhe**, Registrar, *NIT Raipur*, **Prof. Manoj Kumar Chopkar**, Dean (SW), **Prof. Manoj Pradhan**, Professor, *DME*, **Prof. Anoop Kumar Tiwari**, Authorized Representative, *NIT Raipur* and **Dr. Ajay**

Bhatnagar, Chairperson of the Scientific Advisory Board, DearYou Breast Health Initiative.

The collaboration aims to promote breast health awareness, organize medical awareness camps, and explore scholarship opportunities for economically disadvantaged female students, as per the availability of resources from The DEAR Foundation Switzerland. The initiative also encourages student-led outreach and community engagement programs. **Ms. Sevim Araz**, Chief Executive Officer of The DEAR Foundation Switzerland, shall serve as the primary liaison representative responsible for communication and coordination with NIT Raipur. This partnership reflects a shared commitment toward health awareness, women's empowerment, and socially responsible education.

NIT Raipur and GMRICS/GMDC

NIT Raipur and the Gujarat Mineral Research Industrial Consultancy Society (GMRICS), a premier research and consultancy organization under the Gujarat Mineral Development Corporation (GMDC), signed a significant Memorandum of Understanding (MoU) on 10th June 2026 in the presence of **Prof. N. V. Ramana Rao**, Director, NIT Raipur, and **Dr. D. K. Sinha**, Chief Executive Officer, GMRICS/GMDC, Ahmedabad. GMDC representatives, **Mr. A K Makadia**, Sr. GM (Tech), and **Mr. S D Dav**, GM (HR). The agreement aims to establish a long-term partnership in the fields of geology, mining, mineral exploration, critical minerals research, education, training, and skill development.



This collaboration seeks to promote academic excellence, industry-oriented research, and capacity building through the exchange of knowledge, expertise, technical resources, and research facilities between the two organizations. The MoU will enable NIT Raipur students to undertake project work, skill development programmes, and field training at the laboratories and project sites of GMRICS/GMDC. Similarly, scientists and professionals from GMRICS/GMDC will have access to NIT Raipur's academic, laboratory, and research infrastructure for advanced studies and collaborative research projects. To ensure effective implementation and continuous monitoring of collaborative activities, **Prof. Neeraj Vishwakarma**, Professor, DAG, and **Prof. Dal Chand Jhariya**, Professor, DAG, have been designated as Nodal Coordinators. A joint committee comprising representatives from both institutions will periodically review the progress, outcomes, and impact of the collaborative programmes.

Prof. Rao stated that the MoU would provide a strong platform for industry-academia collaboration and open new avenues for students, researchers, and faculty members in the

fields of geology, mining, and mineral resource development. **Dr. Sinha** expressed confidence that the partnership would make significant contributions toward research, innovation, skill development, and the advancement of national priorities in the critical minerals sector.

NIT Raipur and STREE Project for Rural Women Empowerment



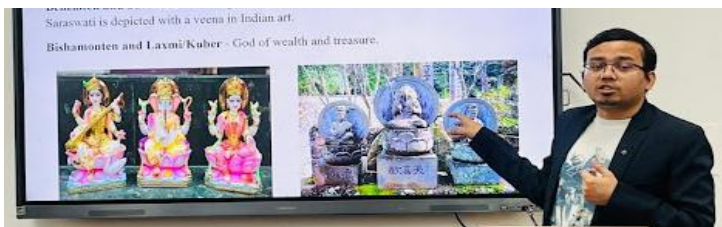
NIT Raipur, through its Section 8 company NIT Raipur Foundation for Innovation & Entrepreneurship (NITRRFIE), in collaboration with the District Administration Dhamtari and BRP Government Polytechnic College, signed a Tripartite MoU to launch the STREE (Skill Development through Technological Resources for Empowering Economic Growth of Women) Project aimed at empowering 300 rural women through skill development, technology, and entrepreneurship. Funded by DSIR, the initiative will focus on fibre extraction, Kosa silk processing, modern weaving, and market linkages, creating sustainable livelihood opportunities and promoting women-led economic growth in the region.

Prof. N. V. Ramana Rao, Director, NIT Raipur, highlighted that the partnership demonstrates a commitment to inclusive innovation and grassroots development, aiming to create sustainable livelihood opportunities and a scalable model for women-led enterprises. **Shri Abinash Mishra** noted that Dhamtari holds significant potential in handloom and agro-based livelihoods and emphasized that the initiative will strengthen local capacities through scientific and technological interventions, leading to improved income and socio-economic upliftment of rural women. **Dr. Anuj Kumar Shukla**, Assistant Professor, ME, added that the STREE project seeks to build a sustainable ecosystem by integrating technology with skill development and entrepreneurship, enabling women to enhance the value of local resources and become self-reliant contributors to the rural economy.

The successful realisation of this collaboration reflects the visionary leadership and guidance of **Prof. Samir Bajpai**, Board Director, NITRRFIE. The NIT Raipur Foundation for Innovation & Entrepreneurship (NITRRFIE) team comprising **Mr. Pawan Kataria**, Assistant Registrar & Officer In charge, NITRRFIE, **Ms. Medha Singh**, Chief Executive Officer, and **Mr. Sunil Dewangan**, NITRRFIE Manager, has been instrumental in anchoring this partnership. The district administration's pivotal support was provided by **Mr. Gajendra Thakur**, CEO, Zila Panchayat, **Dr. Shailendra Anand**, Assistant Director, CSSDA, Dhamtari, and **Mr. Jai Verma**, DPM, CGSRLM, whose coordinated efforts were vital in facilitating smooth local execution of the project.

Industry-Institute Collaboration by IICC

Expert Lecture on Re-Imagining Indian Architecture Beyond Western Templates: Shaping of Indian Cities



Department of Civil Engineering (CE), NIT Raipur, organised an Expert Lecture under the aegis of the **Industry Institute Collaboration Cell (IICC)** on **Re-Imagining Indian Architecture Beyond Western Templates: Shaping of Indian Cities** on 27th Feb. 2026. The session was conducted by **Ar. Shubham Jaiswal**, *Architect, Author & Doctoral Researcher (PhD - Hiroshima University, Japan)*. The lecture aimed to provide interdisciplinary insights into architecture, urban development, and the evolving identity of Indian cities beyond conventional Western paradigms, with relevance to planning, infrastructure development, and sustainable urban growth.

Expert Lecture on Geospatial Technologies for Land Economics, Groundwater Stress, and Disaster Awareness

Department of Civil Engineering (CE), NIT Raipur, organised an Expert Lecture under the aegis of the **Industry Institute Collaboration Cell (IICC)** on **Geospatial Technologies for Land Economics, Groundwater Stress, and Disaster Awareness** by **Mr. Upendra Singh Chandel**, *Principal System Analyst and Joint Director, IT, National Informatics Centre (NIC), Government of India*, on 20th Mar. 2026. The coordinator of the program was **Dr. R. S. Ingale**, *Coordinator, IICC Cell, CE*. The lecture provided

interdisciplinary insights into land economics, groundwater stress, geospatial technologies in land management, disaster awareness associated with land, and GIS applications.

Expert Lecture on A Dialogue on Theories, Methods and Research Possibilities

Department of Humanities & Social Sciences (HSS), NIT Raipur, organised an Expert Lecture under the aegis of the **Industry Institute Collaboration Cell (IICC)** on **A Dialogue on Theories, Methods and Research Possibilities** on 25th May 2026. The Session was delivered by **Prof. Binod Mishra**, *Dept. of HSS, IIT Roorkee*. The lecture provided guidance on research methodology, academic writing, publication strategies, and ethical research practices and offered valuable insights into interdisciplinary research, quality publications, and effective research planning, motivating scholars to pursue impactful and high-quality research.

Industrial Visit to the Godawari Power & Ispat Limited (GPIL), Raipur



Department of Civil Engineering (CE), NIT Raipur, organised an industrial visit to **Godawari Power & Ispat Limited (GPIL), Raipur**, under the aegis of **IICC Cell**, on 23rd Feb. 2026. During the visit, the participants interacted with plant officials and engineers and observed key industrial processes related to sponge iron and steel pallet production. The visit provided valuable exposure to the students regarding large-scale industrial operations, material handling, and energy utilization practices.

Academic Activities

NIT Raipur Inaugurated National Workshop on Modern Deep Learning Architectures in Computer Vision

Department of Information Technology (IT), NIT Raipur, in collaboration with the **Council of Scientific and Industrial Research (CSIR)** and **Jaiswal Neco Industries Limited**, inaugurated a five-day national workshop on **Modern Deep Learning Architectures in Computer Vision** on 16th Mar. 2026. The workshop aims to provide a common platform for concepts, design, and research trends in computer vision.



The *Chief Guest* of the event was **Prof. C. Krishna Mohan**, *CSE, IIT Hyderabad*. The distinguished guest was **Prof. T.V. Vijay Kumar**, *School of Computer and Systems Sciences, JNU, New Delhi*. The *Chief Patron* of the program was **Prof. N.V. Ramana Rao**, *Director, NIT Raipur*. On this occasion, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, and **Dr. Shrish**

Verma, Professor, ECE, were also present. The program was chaired by **Prof. Sudhakar Pandey**, HoD, IT. The organizing secretaries of the workshop, **Prof. Suvendu Rup**, Professor, IT, and **Dr. Deepika Agrawal**, Assistant Professor, IT, were also present along with faculty members and participants.

In his welcome address, **Prof. Rup** stated that a total of 74 participants from various parts of the country are attending the workshop. **Prof. Pandey** highlighted that the field of computer vision has seen remarkable development over the past decade. **Prof. Londhe** shared his views, emphasizing that the development of recurrent neural networks in research is highly commendable. **Prof. Verma** stated that the workshop will help participants learn from the foundational level and clarify their basic concepts. **Prof. Kumar** mentioned that in the era of the AI revolution, the importance of cybersecurity and cyber forensics has significantly increased, particularly in the context of modern deep learning. **Prof. Mohan** stated that this workshop will prove useful and beneficial for the future of the participants. **Prof. Rao** highlighted that knowledge of deep learning has become crucial in areas such as image classification, medical imaging, remote sensing, and object detection through data automation.

NIT Raipur Organized One-Week Faculty Development Programme (FADLDS-2026)

Department of Information Technology, NIT Raipur inaugurated a one-week online Faculty Development Programme (FDP) titled **Foundations and Applications of Deep Learning and Data Sciences (FADLDS-2026)** from 20th Apr. to 24th Apr. 2026. The inaugural session was attended by *Chief Guest* **Dr. Ram Bilas Pachori**, Institute Chair Professor and Professor, DEE, IIT Indore, who highlighted the growing impact of deep learning and data science across multiple domains. **Prof. N. V. Ramana Rao**, Director, NIT Raipur, emphasized the importance of continuous learning in emerging technologies, while **Prof. Narendra D. Londhe**, Registrar, NIT Raipur, appreciated the initiative undertaken by the department.

The programme was attended by **Prof. Subhojit Ghosh**, Chairman, Continuing Education Cell and Convener, along with **Prof. Sudhakar Pandey**, HoD, IT. The FDP is being coordinated by **Dr. Rajesh Doriya**, Associate Professor, IT; **Dr. Gyanendra Verma**, Associate Professor, IT, and **Dr. Rekh Ram Janghel**, Associate Professor, IT, who outlined the programme's objectives and structure. The event features speakers from academic institutions and industry, including **Prof. Pachori**, Professor, EE, IIT Indore, **Dr. Himanshu Buckchash**, Associate Professor, Institute Digitalisation and Informatics, IMC Krems University of Applied Sciences, **Dr. Ganesh Kumar**, **Dr. S. Sridevi**, Assistant Professor(s), ECE, K.S.R College of Engineering, **Prof. Suvendu Rup**, Professor, IT, **Dr. Badal Soni**, Assistant Professor, CSE, NIT Silchar, **Dr. Pratishtha Verma**, Assistant Professor, CSE, NIT Kurukshetra, **Dr. Deepak Singh**, Assistant professor, CSE, and **Dr. Prashant Aparajeya**, AI/ML and Computer Vision expert. The programme aims to provide participants

with foundational and advanced knowledge in deep learning and data sciences through expert lectures, hands-on sessions, and discussions.

NIT Raipur organised STTP on 3D Printing Technology in Bioengineering



Department of Biotechnology (DBT), NIT Raipur hosted a one-week short-term training program (STTP) on **3D Printing Technology in Bioengineering** from 23rd Mar. to 27th Mar. 2026. The programme aimed to explore the role of 3D printing technology in advancing Bioengineering applications. The event was graced by **Prof. Pratima Gupta**, HoD, DBT, as the *Chief Guest*. The programme was coordinated by **Dr. Chinmaya Mahapatra**, Assistant Professor, DBT; **Dr. J. Satya Eswari**, Associate Professor, DBT; and **Dr. Manishekhar Kumar**, Assistant Professor, DBT.

Dr. Kumar, in his address, appreciated the successful printing of functional tissue organs as a significant milestone in scientific advancement, noting its potential impact on the future of healthcare. **Prof. Gupta**, in her address, appreciated the focus on 3D printing applications in the healthcare sector. She acknowledged the efforts of the coordinator and the presence of distinguished speakers and congratulated the participants on the valuable learning opportunities provided by the program. **Dr. Mahapatra**, in his *Vote of Thanks*, expressed appreciation for the successful planning and execution of the conference in physical mode. The event ended with a Valedictory Ceremony held on 27th March 2026.

NIT Raipur commenced a Vossloh-sponsored one-week STTP



Department of Mechanical Engineering (ME), NIT Raipur, has commenced a Vossloh-sponsored one-week **Short Term Training Program (STTP)** on Green Technology and Sustainability from 16th Mar. 2026. The inaugural session was graced by *Chief Guest* **Prof. Anupam Dewan**, IIT Delhi, setting the tone for insightful discussions on sustainable innovations. The event witnessed enthusiastic participation from organising coordinators, faculty members, and students. The STTP aims to equip participants with knowledge of green technologies, sustainable materials, and practical approaches to reducing carbon footprints.

Also, an expert lecture was delivered by **Mr. Nilesh Shah**, *Business Unit Head, Machinery Division, Jindal Steel Ltd., Raipur*, on Green Technology and Sustainability on 17th Mar. 2026, which was sponsored by Vossloh.

NIT Raipur Organized Workshop on Smart Drones: Artificial Intelligence and Real-World Applications



Department of Civil Engineering (CE), NIT Raipur, organized an **Exclusive Drone Pilot License Course** in collaboration with **Reelon Air Drone Pilot Training Academy** from 10th Feb. to 14th Feb. 2026 for students and employees. The organizing team included **Dr. Anuj K. Shukla**, *Assistant Professor, ME*; **Dr. Chandan K. Singh**, *Assistant Professor, CE*; **Dr. Sandeep Chouksey**, *Associate Professor, CE*; and **Dr. Vikas Vidyarthi**, *Assistant Professor, CE*. The 5-day workshop, conducted in line with DGCA guidelines, aimed at developing both theoretical knowledge and practical skills in drone operations. It also covered data handling and operational best practices, preparing participants to obtain the DGCA Remote Pilot Certificate, valid for 10 years upon successful completion.

NIT Raipur inaugurated 10-Day Workshop on Mental Health and Human Values

Department of Humanities and Social Sciences (DHSS), NIT Raipur inaugurated a 10-day workshop on **Mental Health & Human Values** on 8th Jun. 2026. The workshop has been specially organized for faculty members, staff, their family members, students, and PhD scholars of the institute. The objective of the program was to promote awareness on mental health, foster positive life values, and encourage a stress-free and balanced lifestyle. The *Chief Guest* of the inaugural session was **Prof. Manoj Chopkar**, *Dean (SW)*, while **Prof. Samir Bajpai**, *Head, DHSS*, attended as the *Guest of Honour*. The workshop was conducted by **Dr. Heena Chawda**, *Faculty, DHSS*. She welcomed the guests and presented an overview of the workshop.

Welcoming the participants, **Prof. Chopkar** emphasized the importance of mental health in personal, social, and national development, highlighting government initiatives promoting mental well-being and positive social environments. **Prof. Bajpai** noted that self-understanding is essential for understanding others and mentioned the inclusion of mental health and human values in the curriculum for first-year students.

Dr. Chawda, the keynote speaker, highlighted the importance of mental health, human values, positive thinking, self-

awareness, and healthy communication. She discussed stress and depression management, the connection between mental and physical well-being, and the value of gratitude, self-reflection, and family support. An interactive activity on appreciating others' qualities was also conducted. She noted that the 10-day workshop aims to foster mental well-being, self-discovery, personality development, family values, positive thinking, and Cognitive Behavioral Therapy (CBT) among faculty, staff, and research scholars.

NIT Raipur Organized Online Certificate Course on Applied Data Analytics

Department of Information Technology (IT), NIT Raipur, under the **Continuing Education Cell (CEC)**, inaugurated a **15-Day online certificate course** titled **Applied Data Analytics: A Practical Approach** on 25th May 2026. The program aimed to provide participants with a strong theoretical understanding of data analytics along with practical hands-on training. At the inaugural session, the *Chief Guest* was **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*. On this occasion, the distinguished guests included **Prof. Subhojit Ghosh**, *Chairman, CEC*, and **Dr. Sanjay Kumar**, *HoD (I/C), IT*. The program was coordinated by **Dr. Govind Prasad Gupta**, *Associate Professor, IT*, and **Dr. Mridu Sahu**, *Associate Professor, IT*. In addition, other faculty members and participants were also present during the inaugural session.

At the beginning of the program, Program Coordinator **Dr. Sahu** shared details about the event and informed that around 120 participants from across the country had registered for the program this year. Along with participants from the fields of Arts and Commerce, students from the medical and agriculture streams also registered for the first time. In his address, **Prof. Rao** congratulated the organizing committee and highlighted the growing importance of data science and analytics, emphasizing practical exposure to data pre-processing, predictive analysis, machine learning, and data visualization for career advancement. **Dr. Kumar** mentioned that the program, organized under the CEC for the sixth consecutive year, has emerged as one of its most successful initiatives, offering a curriculum designed to provide both conceptual understanding and practical knowledge. The inaugural session concluded with an interactive discussion with participants, followed by a formal Vote of Thanks.

The valedictory ceremony was organized on 8th Jun. 2026 with **Prof. Subhashis Sanyal**, *Dean (CR & RM)*, as the *Chief Guest*. Also present were **Prof. Ghosh** and **Prof. Sudhakar Pandey**, *HoD, IT*. A total of 121 participants from institutions across the country successfully completed the course. The program was coordinated by **Dr. Sahu** and **Dr. Gupta**.

Dr. Sahu provided an overview of the course structure, including the MCQ examination and presentations of selected projects developed during the programme. In his address, Sanyal described the course as comprehensive and informative and encouraged the organization of similar programmes in the future. **Prof. Ghosh** highlighted the growing significance of

data analytics and the nationwide participation received by the course, while **Prof. Pandey** noted that the real-time projects offered valuable insights into practical applications of data analytics. The programme concluded with a participant feedback session and the distribution of certificates. **Dr. Gupta** delivered the Vote of Thanks and expressed appreciation to the speakers, participants, and organizing team for the successful conduct of the programme.

NIT Raipur Organised One-Day Seminar on Promotion of Academic and Research Collaboration

Department of Computer Science and Engineering (CSE), NIT Raipur organised a One-Day Seminar on 2nd Jun. 2026 under the Scheme for Promotion of Academic and Research Collaboration (SPARC) Project. The Theme of the seminar was **International Academic and Research Collaboration**, focusing on strengthening global research partnerships and fostering international academic cooperation.

The event was graced by the presence of the *Chief Guest*, **Prof. N. V. Ramana Rao**, *Director, NIT Raipur*, and Keynote Speaker of the event, **Dr. Zahid Akhtar**, *Assistant Professor, State University of New York Polytechnic Institute, USA*. At this event, **Prof. Dilip Singh Sisodia**, *HoD, CSE*, along with faculty members, research scholars, and students, were present. The event was coordinated by **Prof. Naresh Nagwani**, *Professor, CSE*, and **Dr. Preeti Chandrakar**, *Associate Professor, CSE*.

The seminar commenced with a welcome address by **Prof. Rao**, who highlighted the significance of government-supported research initiatives and collaborative projects in

addressing contemporary global challenges. He emphasized that effective coordination among institutions worldwide facilitates knowledge exchange, enhances international competitiveness, promotes joint research proposals, and strengthens innovation and research productivity. **Dr. Akhtar** delivered the keynote address, and highlighted the importance of international research collaboration in addressing global challenges through cross-border knowledge exchange and multidisciplinary partnerships. He discussed opportunities for joint research projects, faculty and student exchange programmes, virtual collaborations, international funding avenues, and industry-academia partnerships. The seminar concluded with an interactive question-and-answer session followed by a Vote of Thanks.

NIT Raipur hosted an educational visit



Department of Information Technology (IT), NIT Raipur, hosted an educational visit for students from **Government Engineering College, Bilaspur**, on 19th Mar. 2026 as part of their academic curriculum to provide practical exposure and technical insights, with faculty members accompanying the students. During the visit, students explored the institute's facilities and gained valuable practical understanding of technical concepts and real-world applications.

Research Frontier

Expert Lectures delivered by Institute Faculty/Staff

- **Prof. Shobha Lata Sinha**, *Professor, ME*, delivered an expert lecture on *Sustainable Energy Solutions to Combat Climate Change* on the occasion of World Environment Day on 5th June 2026, organized by **The Institution of Engineers (I), Bhilai Local Centre** in Association with *Environmental Management Department, Bhilai Steel Plant, Bhilai, CG*.
- **Prof. Ayush Khare**, *Professor, DoP*, delivered an expert lecture on *Energy Materials in Healthcare: Various Perspectives* on 10th Feb. 2026, during the **STTP on Science, Engineering, and Medicine: A Converging Platform**, organized by the *Department of Biomedical Engineering, NIT Raipur*.
- **Prof. Ayush Khare**, *Professor, DoP*, delivered an expert lecture on *Advancements in Perovskite Photovoltaics: Challenges and Remedies* on 20th Feb. 2026, at the **National Conference on Advances in Condensed Matter Physics (ACMP-2026)**, organized by *Guru Ghasidas Vishwavidyalaya, Bilaspur*.
- **Prof. Ayush Khare**, *Professor, DoP*, delivered an expert lecture on *Advancements and Innovations in Nanomaterials for Harvesting Solar Energy* on 26th Feb. 2026, during the **Training Programme for Science Faculty**, organized by *Government J. Yoganandam Chhattisgarh College, Raipur*.
- **Prof. Tripti Swarnkar**, *Professor, MCA*, delivered an expert lecture on *Supervised Learning Algorithms in Cyber Security* on 20th Dec. 2025 during a **six-day Faculty Development Programme on AI and Machine Learning Applications in Cyber Security** organized by *Sri Sairam Engineering College*. The lecture focused on the role of supervised learning techniques in strengthening cybersecurity frameworks and addressing emerging digital threats.
- **Prof. Tripti Swarnkar**, *Professor, MCA*, delivered an expert lecture on **Refresher Course Theme: Innovative Tools and Techniques for Qualitative and Quantitative Research** on 5th Feb. 2026 during a **two-week Interdisciplinary Refresher Course on Innovative Tools and Techniques for Qualitative and Quantitative Research**, organized by *MMTTC, Pt. Ravishankar Shukla University, Raipur (C.G.)*.

- **Prof. Tripti Swarnkar**, Professor, MCA, delivered an expert lecture on **AI/ML Applications in Diverse Developmental Sectors** on 7th Feb. 2026 during the **AI/ML Conclave** organized by *Trident Academy of Technology (TAT)*, Bhubaneswar, Odisha.
- **Dr. Aakanksha Sharaff**, Associate Professor, CSE, delivered an expert lecture on **Cyber Security: Mobile Phishing Awareness** on 17th Jan. 2026, at *IIIT Naya Raipur* during **SCINTFIC 2026**, a national-level scientific event organised by *IIIT Naya Raipur*.
- **Dr. Aakanksha Sharaff**, Associate Professor, CSE, was the *Session Chair* in the **5th International Conference on Power, Control, and Computing Technologies (ICPC2T 2026)** and delivered an expert lecture on the topic of **Artificial Intelligence** on 12th Mar. 2026 at *NIT Raipur*.
- **Dr. Anil Manjhi**, Assistant Professor, DHSS, delivered an expert lecture on **Social Rights and Gender Equity** on 18th Mar. 2026 in an FDP on **Gender Inclusion and Equity Initiative** organized by *Government Minimata Girls College, Balodabazar, CG*.
- **Dr. Nitesh K. Bharadwaj**, Assistant Professor, CSE, delivered an expert lecture on **Emerging Trends of Artificial Intelligence and Machine Learning in Modern Cyber Forensics and Incident Response** on 2nd Jan. 2026 during the **Faculty Development Programme on Cyber Security in the Age of GenAI Threats, Defenses, and Intelligent SOCs with LLM Integration**, jointly organized by *Madhav Institute of Technology and Science, Deemed University, Gwalior*, and *Electronics and ICT Academy (Phase II), Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur*.
- **Dr. Nitesh K. Bharadwaj**, Assistant Professor, CSE, delivered an expert lecture on **Cyber Security** on 19th Jan. 2026 during the **Training Program for Officers and Employees** working at the *Tribal Research and Training Institute, Raipur*.
- **Dr. Nitesh K. Bharadwaj**, Assistant Professor, CSE, delivered an expert lecture on **Cyber Security and OSINT Technologies** on 12th Feb. 2026 during the **National Level Seminar on Digital Forensics & Cyber Resilience: Securing Business and Communities**, sponsored by CCOST, Chhattisgarh, and organized at *Government Polytechnic Ambikapur, C.G.*
- **Dr. Chandan Kumar Singh**, Assistant Professor, CE, delivered an expert lecture on **Introduction to Smart Cities- Challenges, Recent Developments and Emerging Technologies for Cities: Hands-On Session** on 13th Jan. 2026 at **Smart City Planning through Civil Engineering Innovations** organized by the *Department of Civil Engineering, NIT Raipur* and *Dr. B.C. Roy Engineering College*.
- **Dr. Chandan Kumar Singh**, Assistant Professor, CE, delivered an expert lecture on **GIS Application for Water Resource and Civil Engineering in Smart Cities: Hands-On Session** on 15th Jan. 2026 at **Smart City Planning through Civil Engineering Innovations** organized by the *Department of Civil Engineering, NIT Raipur* and *Dr. B.C. Roy Engineering College*.
- **Dr. Chandan Kumar Singh**, Assistant Professor, CE, delivered an expert lecture on **Smart Drones: Artificial Intelligence and Real-World Applications** on 21st Feb. 2026, organized by the **Department of Informational Technology and KEC Bhilai** in association with the *Ministry of Electronics*.
- **Dr. Chandan Kumar Singh**, Assistant Professor, CE, delivered an expert lecture on **Un-supervised Classification method: Introduction to Correlation plots and Hierarchical Cluster analysis, PCA and factor analysis, and K-means clustering for outlier detection** on 11th Mar. 2026 and 12th Mar. 2026, respectively, at **Basic Course on ML Applications and geospatial analysis in Geoscience using R** organized by *Field Training Centre, Geological Survey of India (GSI), Raipur*.
- **Dr. Vikas Kumar Vidyarthi**, Assistant Professor, CE, delivered an expert lecture on **ICT & AI Tools for evidence-based Planning** on 29th Jan. 2026, at **Training on Leadership for Bringing Saturation in Rural Development Program for BDO/CEOs: Building Prosperous Blocks** organized by *Thakur Pyarelal State Institute of Panchayat & Rural Development (TPSIPRD), Nimora, Raipur*.
- **Dr. Vikas Kumar Vidyarthi**, Assistant Professor, CE, delivered an expert lecture on **Tools for Evidence based Block Planning towards prosperity** on 18th Feb. 2026 at **Training on Leadership for Bringing Saturation in Rural Development Program for BDO/CEOs: Building Prosperous Blocks** organized by *Thakur Pyarelal State Institute of Panchayat & Rural Development (TPSIPRD), Nimora, Raipur*.
- **Dr. Vikas Kumar Vidyarthi**, Assistant Professor, CE, delivered an expert lecture as **Session Chair of Training on Leadership for Bringing Saturation in Rural Development Program for BDO/CEOs: Building Prosperous Blocks** organized by *RTC Institute of Technology, Ranchi* on 6th Mar. 2026

Patents

- A design patent titled **Microneedle Patch**, developed by **Ms. Niharika Purohit**, Research Scholar, NIT Raipur, **Mr. Anurag Ajgalle**, Research Scholar, NIT Raipur, **Dr. Baidyanath Bag**, Associate Professor, EE, and **Dr. Chinmaya Mahapatra**, Assistant Professor, DBT, was granted on **07th May 2026** for an electrically conductive PEDOT: PSS-based transdermal patch designed for electrically modulated and on-demand drug delivery. The innovation facilitates precise

therapeutic administration through electric field-responsive drug release mechanisms, offering potential applications in personalized medicine, wearable healthcare systems, and smart therapeutic platforms.

- A design patent titled **PVA-Based Microneedle Patch**, developed by **Mr. Anurag Ajgalle**, *Research Scholar*, NIT Raipur, and **Dr. Chinmaya Mahapatra**, *Assistant Professor*, DBT, was granted on **19th Feb. 2026** for a novel polyvinyl alcohol-based microneedle patch designed for controlled transdermal drug delivery. The technology enables sustained and controlled release of therapeutic agents through hydration-dependent dissolution of the polymer matrix and diffusion through hollow microneedle channels.
- A utility patent titled **Method for Real Time News Verification and Misinformation Detection using AI-Driven Augmented Reality Smart Glasses**, filed by **Dr. Aakanksha Sharaff**, *Associate Professor*, CSE, and **Ms. Rakhi Seth**, *Research Scholar*, with file number **202521021166**, was granted by the *Patent Office, Government of India* on **21st Jan 2026**

Sponsored Research Project

- A project titled *Implementation of Kitchen Waste-to-Biogas Plant for Indian Coffee House (NIT Raipur Campus)* by **Dr. Satish Kumar Dewangan**, *Associate Professor*, ME, PI, **Dr. Shashikant Verma**, *Assistant Professor*, ME, CO-PI and **Prof. Shobha Lata Sinha**, *Professor*, ME, CO-PI sanctioned by *Alumni Association of GEC NIT Raipur*, for the period of 6 months with a total funding of Rs. 1,20,000 (Rupees One Lakh Twenty Thousand only).
- A project titled **Assessment of Linkages Among Groundwater Withdrawal, Land Subsidence, and other Contributing Factors in Howrah** by **Mr. Neelophar Khan**, *Junior Research Fellow* and **Mr. Subham Sougat Behera**, *Junior Research Fellow* had their 2nd Site visit of Howrah, West Bengal under the guidance of, **Dr. Chandan Kumar Singh**, *PI*, *Assistant Professor*, CE. The visit dated from 4th Feb. 11th Feb. 2026, funded by *Ministry of Jal Shakti, Government of India*.
- A project titled **Artificial Cilia Patching in Human Lungs: A Combined Numerical–Experimental Approach for Restoring Mucociliary Clearance** funded by the *Ministry of Education through SPARC 2025 Phase 4B* to **Dr. Mainak Basu**, *PI*, *Assistant Professor*, BME, in collaboration with *University of Technology, Sydney*, sanction amount of Rs. 1,00,29,000 for duration from 2026-2028.
- A project titled **Smart Digital Microfluidics-integrated extended gate field effect transistor (EGFET) biosensor for rapid Point-of-Care (POC) detection of chronic kidney disease (CKD) based on urinary NGAL in rural areas of Chhattisgarh** funded by *ANRF Advanced Research Grant (ARG) 2025* to **Dr. Mainak Basu**, *PI*, *Assistant Professor*, BME sanction amount of Rs. 60,18,092 for duration of 2025-29.

PhD Thesis Defended

- **Mr. Aditya Upadhyay** defended his Ph.D. thesis entitled *Combinatorial Therapeutic Approach to Disrupt the Salmonella Typhi Biofilm* under the supervision of **Dr. Awanish Kumar**, *Associate Professor*, DBT and **Dr. Dharm Pal**, *Associate Professor*, DCE, on 25th Apr. 2026.
- **Mr. Balireddy Mohan Nikhil Teja** defended his Ph.D. thesis entitled *Social Consequences of Administrative Boundary Disputes on Tribal Population: A Case of Kotiya Villages* under the supervision of **Dr. Moksha Singh**, *Associate Professor*, DHSS, on 29th Apr. 2026.
- **Mr. Dilip Kumar Chandra** defended his Ph.D. thesis entitled *Development of Redox Nanomaterial-Tailored Carbon Nanotube Based Metal Organic Framework (MOF) as Advanced Antifungal Biomaterials and its Commercial Applications* under the supervision of **Dr. Chinmaya Mahapatra**, *Assistant Professor*, DBT and **Dr. Awanish Kumar**, *Associate Professor*, DBT, on 4th May 2026.
- **Ms. Amruta Pattnaik** defended her Ph.D. thesis entitled *Modified Bismuth-Based Semiconductors for the Photo-Remediation of Aqueous Organic Pollutants* under the supervision of **Dr. Prabir Ghosh**, *Associate Professor*, DCE, and **Prof. Anil Kumar Poonia**, *Professor*, DCE, on 24th Apr. 2026.
- **Mr. Manoj Kumar Modi** defended his Ph.D. thesis entitled *Geo-Chemical Characterization of Low Grade High Silica Bauxite Ore and its Beneficiation Prospects* under the supervision of **Prof. Pankaj Dewangan**, *Professor*, DME, on 27th Apr. 2026.
- **Mr. Abhjit Misra** defended his Ph.D. thesis entitled *Development of Techno-Economically Efficient Foundry Coatings for Ferrous Castings* under the supervision of **Dr. Subhas Ganguly**, *Associate Professor*, MME and **Dr. Sudip Kumar Sinha**, *Associate Professor*, MME on 8th May 2026.
- **Mr. Arvind Kumar Swarnakar** defended his Ph.D. thesis entitled *Performance Evaluation of Different Soil Media in Horizontal Subsurface Flow Constructed Wetlands* under the supervision of **Dr. Ishtiyahq Ahmad**, *Associate Professor*, CE, on 21st Apr. 2026.
- **Mr. Sayan Das** defended his Ph.D. thesis entitled *Understanding Subjective Experiences of Psychosocial Disabilities Through Narratives of Pain and Embodiment in Select Graphic Memoirs* under the supervision of **Dr. Sandip Sarkar**, *Associate Professor*, DHSS and **Prof. Anoop Kumar Tiwari**, *Professor*, DHSS, on 25th May 2026.
- **Mr. Vaibhav Prakashrao Deshpande** defended his Ph.D. thesis entitled *Assessing the Impact of Soil Salinity on Agricultural Yield and its Dynamic*

Interaction with Irrigation Parameters in Chhattisgarh Region under the supervision of **Dr. Ishtiyahq Ahmad**, Associate Professor, CE and **Dr. Chandan Kumar Singh**, Assistant Professor, CE, on 7th May 2026.

- **Mr. Nilesh Hanumant Jagtap** defended his Ph.D. thesis entitled *Multiport High Gain High Power Density DC-DC Converter with Fault Tolerant Ability* under the supervision of **Prof. Swapnajit Pattnaik**, Professor, EE on 25th May 2026.
- **Mr. Shashank Shekhar Mishra** defended his Ph.D. thesis entitled *Thermal Comfort Analysis of Non-Air-Conditioned Railway Coach for Different Climatic Zones of India* under the supervision of **Prof. Vivek Kumar Gaba**, Professor, ME and **Dr. Nisha Netam**, Associate Professor, ME, on 18th May 2026.
- **Mr. Dharmendra** defended his Ph.D. thesis entitled *Synthesis and Electrochemical Evaluation of Polythiophene, Polypyrrole, Polyaniline, and Metal Oxide Ternary Composites for Supercapacitor Applications* under the supervision of **Dr. Tungabidya Maharana**, Associate Professor, DoC, and **Dr. Alekha Kumar Sutar**, Associate Professor, DoC, on 21st May 2026.
- **Mr. Hardik Thakkar** defended his Ph.D. thesis entitled *Development of Intelligent Multi-Modal System for Detection of Schizophrenia Using Speech and EEG Signal Analysis* under the supervision of **Prof. Bikesh Kumar Singh**, Professor, BME and **Dr. Saurabh Gupta**, Associate Professor, BME, on 29th May 2026.
- **Ms. Jui Giri** defended her Ph.D. thesis entitled *Carrying Capacity of Public Urban Parks: A Case Study of Korba City (C.G.)* under the supervision of **Dr. Vandana Agrawal**, Assistant Professor, DAP and **Prof. Swasti Sthapak**, Professor, DAP, on 18th May 2026.
- **Mr. Priyaranjan Mallick** defended his Ph.D. thesis entitled *Modular Forms, Supercongruences and Generalized Diophantine Equations* under the supervision of **Prof. Debasisha Mishra**, Professor, DoM, on 4th Jun. 2026.
- **Mr. Ashutosh Kumar Gupta** defended his Ph.D. thesis entitled *A Study Towards the Development of Computer Vision for Steel Microstructure Using Deep Learning* under the supervision of **Dr. Subhas Ganguly**, Associate Professor, MME, on 3rd Jun. 2026.
- **Ms. K.M. Rashmi** defended her Ph.D. thesis entitled *Analytical and Computational Study of Retrieval Queueing Models* under the supervision of **Dr. Sujit Kumar Samanta**, Associate Professor, DoM on 10th Mar. 2026.
- **Mr. Kartikey Pandey** defended his Ph.D. thesis entitled *Image Encryption and Decryption by Elliptical Curve Cryptography and Genetic Approach*

under the supervision of **Dr. Deepmala Sharma**, Associate Professor, DoM on 6th Mar. 2026.

- **Mr. Gaurav Chauhan** defended his Ph.D. thesis entitled *Thermal and material flow Modeling of Friction stir welding process using machine learning and FEM simulation* under the supervision of **Dr. Subhas Ganguly**, Associate Professor, MME, and **Dr. Sudip Kumar Sinha**, Associate Professor, MME on 20th Mar. 2026.
- **Mr. Gyananjaya Tripathy** defended his Ph.D. thesis entitled *Design and Development of Improved Metaheuristic based Deep Learning Models for Online Review Sentiment Analysis* under the supervision of **Dr. Aakanksha Sharaff**, Associate Professor, CSE on 21st Mar. 2026.
- **Mr. Dibyajyoti Dash** defended his Ph.D. thesis entitled *Thermal Buckling Analysis of Laminated Composite plates using higher order shear deformation theory* under the supervision of **Dr. Alfia Bano**, Associate Professor, CE on 27th Feb. 2026.
- **Dr. Ram Nivas Giri** defended his Ph.D. thesis entitled *Design and development of machine learning-based techniques for analysis and classification of hyperspectral data* under the supervision of **Dr. Rekh Ram Janghel**, Associate Professor, IT on 20th Mar. 2026.
- **Mr. Vickey Prasad** defended his Ph.D. thesis entitled *Dynamics of Trauma and Memory: A Study of Neuroplasticity and Identity Reconstruction in the Select American Novels* under the supervision of **Prof. Anoop Kumar Tiwari**, Professor, DHSS and **Prof. Jaya Dwivedi**, Professor, DHSS on 25th Mar. 2026.
- **Ms. Anjali Rajak** defended her Ph.D. thesis entitled *Towards Efficient Service Provisioning and Fault Management in 5G Networks* under the supervision of **Prof. Rakesh Tripathi**, Professor, IT on 5th Apr. 2026.
- **Mr. Chandra Kumar** defended his Ph.D. thesis entitled *Synthesis and Characterization of Polythiophene and Metal Compound-Based Ternary Nanocomposites for Supercapacitor Applications* under the supervision of **Dr. Tungabidya Maharana**, Associate Professor, DoC and **Dr. Alekha Kumar Sutar**, Associate Professor, DoC on 1st April 2026.
- **Mr. Om Prakash Singh** defended his Ph.D. thesis entitled *Modelling the performance indicators for Surface Miners* under the supervision of **Prof. P.Y. Dhekne**, Professor, DME and **Prof. Manoj Pradhan**, Professor, DME on 27th Mar. 2026.
- **Ms. Krishna Kumari Karri** defended her Ph.D. thesis entitled *Design and Analysis of Reduced Component Multilevel Inverter for a Standalone System* under the supervision of **Dr. Varsha Singh**, Associate Professor, EE and **Prof. Swapnajit Pattnaik**, Professor, EE on 7th Apr. 2026.
- **Mr. Krishna Kumar** defended his Ph.D. thesis entitled *Role of polarization electric field and self-*

heating on efficiency drop of InxGa1-xN/GaN LED under the supervision of **Prof. Bijaya Kumar Sahoo**, Professor, DoP on 15th Apr. 2026.

- **Mr. Madhukar G.** defended their Ph.D. thesis entitled *Design and Development of IoV Block Secure: An AI-Enabled Blockchain-Based Data Security Framework for the Internet of Vehicles* under the supervision of **Dr. Jatoth Chandrashekar**, Associate Professor, IT and **Dr. Rajesh Doriya**, Associate Professor, IT on 25th Apr. 2026.
- **Mr. Santosh Shakya** defended his Ph.D. Thesis entitled *Efficient CoT Network Traffic Management using Enhanced Scheduling and Resource Allocation* under the supervision of **Prof. Priyanka Tripathi**, Professor, MCA on 25th Apr. 2026.

- **Ms. Astha Vashistha** defended her Ph.D. thesis entitled *Investigation and Analysis of Banking Customer Behavior and Communication* under the supervision of **Prof. Anoop Kumar Tiwari**, Professor, DHSS on 25th Apr. 2026.
- **Ms. Neha Jaiswal** defended her Ph.D. thesis entitled *Biopharmaceutical evaluation of Vitex negundo phenolic compounds and their anticandidal potency: A possible Phyto-therapeutic alternative in treatment of Candidiasis* under the supervision of **Dr. Awanish Kumar**, Associate Professor, DBT on 24th Apr. 2026.
- **Ms. Kavita Nag** defended her Ph.D. thesis entitled *Green Synthesis of nanoparticles, characterization and their applications* under the supervision of **Dr. F. Khan**, and **Dr. Rakesh Kumar Sahu**.

Awards, Recognition, and Fellowship

- **Prof. Samir Bajpai**, Professor, CE; **Prof. M. K. Verma**, Professor, CE; **Dr. Ishtiyahq Ahmad**, Associate Professor, CE; and **Dr. Himanshu Govil**, Assistant Professor, DAG, were nominated to the **State-Level Committee for River Rejuvenation constituted by the Government of Chhattisgarh**. Their selection acknowledges their extensive experience, technical expertise, and valuable contributions in the fields of water resources, environmental sustainability, geology, and river management.
- **Department of Civil Engineering (CE)**, NIT Raipur generated ₹53,765,963.12 as consultancy revenue during the financial year 2025-26 through research and consultancy services.

Research publications

- **Prof. Tripti Swarnkar**, Professor, MCA, **Dr. A. Dash**, Associate Professor, DME, **Dr. S. Panigrahi** and **Dr. D.R. Adhikary**, published a Journal titled **Data Augmentation Strategies for GAN-based Medical Image Analysis: An Empirical Review**, in Dec. 2025.
- **Prof. Tripti Swarnkar**, Professor, MCA, along with **Dr. S. Kharya**, Associate Professor, CSE, Bhilai Institute of technology, **Prof. S. Soni**, Professor, ECE, Amity University, Chattisgarh, **Dr. P. Nanda**, Vice Chancellor, Siksha O Anusandhan, Bhubaneswar, **Dr. G. Urkudee**, Assistant Professor, CSE, Symbiosis Institute of Technology (SIT), Nagpur, **Dr. A.S. Ojha**, Principal, CSMIT college of engineering & Technology, Mumbai, **Dr. D.S. Nayak** and **Dr. S.R. Laha**, Assistant Professor, CSE, Siksha O Anusandhan, Bhubaneswar, published a Journal titled **Development and Validation of a Novel Bayesian Belief Network: A Reliable Fuzzy Weighted Diabetes Predictive Model**, in Dec. 2025.
- **Dr. V.K. Vidyarthi**, Assistant Professor, CE and **Mr. Aniket Sharma**, PhD Scholar, CE, IIT Roorkee, have published a journal on **Comprehensive flood inundation mapping by integrating HEC-RAS and ArcGIS for a long stretch multi-tributary river system** in *ISH Journal of Hydraulic Engineering*, pp.1-27.
- **Dr. Vikas Vidyarthi**, Assistant Professor, CE, **Mr. Sanskar Shrivastava**, PhD Scholar, NIT Raipur, and **Mr. Aniket Sharma**, PhD Scholar, CE, IIT Roorkee

have published a research article titled **Hydraulic Flood Routing using HEC-RAS 2D: A Case Study of Multi-Tributary Krishna River System, India** published in *Hydraulic Flood Routing using HEC-RAS 2D: A Case Study of Multi-Tributary Krishna River System, India*.

- **Prof. Manikant Verma**, Professor, CE, **Dr. Vikas Kumar Vidyarthi**, Assistant professor, CE and **Mr. Akhilesh Poyam**, PhD Scholar, CE, have published a research article titled **Urban Flood Detection Using Sentinel-1 Data and Random Forest Technique: A Case Study of Raipur, Chhattisgarh** published in **2nd International Conference on Next-Generation Communication and Computing proceeding** organised by *G.L. Bajaj Institute of Technology & Management, Greater Noida*.
- **Dr. Vikas Kumar Vidyarthi**, Assistant Professor, CE **Mr. Gopeshwar Sahu**, PhD Scholar, CE, IIT Roorkee, **Dr. Shikha Chourasiya**, Assistant Professor, DoCE, Central University of Jharkhand, **Ms. Neha Rani**, Assistant Engineer, Govt. of Bihar, and **Mr. Akhilesh Poyam**, PhD Scholar, CE and have published a research article titled **Integration of Remote Sensing Data and Artificial Neural Networks for Dynamic Land Use Change Prediction in a Rapidly Growing Indian City** published in **2nd International Conference on Next-Generation Communication and Computing proceeding** organised by *G.L. Bajaj Institute of Technology & Management, Greater Noida*.

- **Dr. Ashish Kumar Vishwakarma**, *Assistant Professor, DME, NIT Raipur*, published a research article titled **Assessment of the Impact of Delay Detonator Scattering on the Accuracy of Ground Vibration Prediction in BLASTONIX, Precision Blasting for Safer and Smarter Mines**.
- **Dr. Krishna Prasad Madasu**, *Associate Professor, DoM* and **Dr. Chitra Kumar**, *Research Scholar, DoM* have published a journal article titled **Unsteady rotation of a solid sphere in a couple stress Brinkman medium with spin slip and velocity slip**, in *Phys. Fluids* 38, 053107 (2026); doi: 10.1063/5.0322772.

- **Dr. Krishna Prasad Madasu**, *Associate Professor, DoM*, and **Dr. Amit Kumar**, *Research Scholar, DoM* have published a journal titled **Couple stress fluid flow between coaxial rotating cylinders filled with an anisotropic porous medium** in *The Journal of the Brazilian Society of Mechanical Sciences and Engineering* (2026) 48:429
- **Dr. Aakanksha Sharaff**, *Associate Professor, CSE*, **Ms. Rakhi Seth**, *Research Scholar*, and **Ms. Keerti**, published a Journal titled **Advanced Malware Detection System: Enhancing Security through CNN based Inception ResNetV2 with Transfer Learning** published in *International Journal of System Assurance Engineering and Management*.

Students' Achievements

- **Ms. Tulsi Tarak**, *Ph.D. Scholar, DoP*, received the **Best Oral Presentation Award** at the **National Conference on Advances in Condensed Matter Physics (ACMP-2026)**, organized by *Guru Ghasidas Vishwavidyalaya, Bilaspur*, held from 20th to 21st Feb. 2026. She presented her research work and was recognized for the quality of her presentation and contribution to the field of condensed matter physics.
- **Ms. Tulsi Tarak**, *Ph.D. Scholar, DoP*, received the **Best Poster Award** at the **1st National Conference on Quantum Materials & Devices (NCQMD-**

Raipur from 12th to 13th Mar. 2026. Her poster presentation was adjudged the best among the research works presented during the conference, and she was awarded a cash prize along with a certificate of recognition.

- **Mr. Vivek Kumar Tripathi** has been awarded the **Best Paper Award** at the **International Conference WET-WAR 2025**, organized by *NIT Patna* from 30th Dec. to 31st Dec. 2025.
- **Vanshika Jaiswal**, **Suraj Kumar**, **Priyanshu Kumar**, **Shweta Choudhary**, **Sanjida Khatun**, **Vedprakash Sahu**, 3rd and 4th year students at NIT Raipur have secured the *runner-up* position at **Smart India**

experienced problem-solving, teamwork, and technical skills while encouraging creativity, research, and application of engineering concepts to address real industry challenges

- **Santosh Kumar Singh**, *PhD Scholar, NIT Raipur*, received the **Best Paper Award** at the **12th International Conference on Biosignals, Images and Instrumentation (ICBSII 2026)**, held in Chennai, India, from 9th to 11th Mar. 2026. It was a globally attended conference technically sponsored by the IEEE Madras Section for his outstanding research contribution in the field of biomedical signal processing, medical imaging, and healthcare instrumentation.

Club/Committee Activities

Anantya 2026, Central Asia's Mega Technical Fest Organized by NIT Raipur

NIT Raipur inaugurated **Anantya - Mega Technical Fest**, in the esteemed presence of **Shri Gaurav Kumar**, *IAS, District Magistrate, Raipur*, as the *Chief Guest*. The inaugural ceremony was attended by **Prof. Samir Bajpai**, *Head, Career Development Centre (CDC), NIT Raipur*, **Prof. Shrish Verma**, *Professor, ECE, NIT Raipur*, **Prof. S. Sanyal**, *Dean (CR&RM), NIT Raipur*, **Prof. N. D. Londhe**, *Registrar, NIT Raipur*, **Dr. Ramya Selvaraj**, *Faculty In-Charge, Institution's Innovation Council (IIC)*, **Prof. R. N. Patel**, *Faculty In-Charge, Entrepreneurship Cell (E-Cell)*, **Dr. Saurabh Gupta**, *Faculty (I/C), Innovation Cell (I-Cell)*, **Dr. Rajesh Doriya**, *Faculty (I/C) Robotix Club*, and **Dr. Manu**

Vardhan, *Faculty In-Charge, Technocracy Club*, along with faculty members and students.

Dr. Selvaraj addressed the gathering by introducing Anantya 2026 as a national platform bringing together students from NITs, IITs, and other institutions to foster innovation and collaboration. She described Anantya as a reflection of the boundless potential of human imagination. Addressing the gathering, **Prof. Londhe** highlighted that Anantya marked the first instance of all major student clubs coming together to organize a unified mega event, positioning it among the largest technical fests in Central India. **Prof. Verma** noted that such platforms enable students to showcase their ideas and transform them into meaningful outcomes. **Prof. Bajpai** highlighted that the successful organization of Anantya is a

result of collective teamwork. He termed Anantya as the first mega technical event of NIT Raipur and a celebration of infinite opportunities and technological advancement. In his address, **Shri. Gaurav Kumar** shared insights from his personal journey, inspiring students to embrace challenges and view struggle as an integral part of life. He urged students to remain positive, make the most of opportunities, and strive for continuous growth. The ceremony concluded with a *Vote of Thanks* delivered by **Dr. Patel**, marking the formal inauguration of *Anantya 2026*.



It featured a diverse range of technical and entrepreneurial events across the campus, including Science exhibition *Vigyaaan*, Startup Expo, Aero Showcase, Robothon, Bizz Rescue, B-Model, and Strategica. The first day included a speaker session and events like *Utkrishth*, along with continuous engagements such as Vibe Coding and Dev Clash. The second day of Anantya 2026 commenced on an energetic note with a panel discussion on startups and entrepreneurship. The session featured **Mr. Archit Ojha**, *Manager Projects, Cognizant* who highlighted his experiences in AI and data-driven ventures and the importance of trust and adaptability, **Mr. Meghal Agrawal**, *Founder & CEO, Iraa AI & CodeNicely*, who spoke about starting his journey in college with minimal resources and building impactful products and **Mr. Ratnesh Mishra**, *President, IDYM Foundation*, and *Founder, GTarang Energy*, who shared his journey in SpaceTech and contribution to India's first student satellite, emphasizing the power of dreams and persistence and **Mr. Harsh Jain**, *Culture Enforcement Officer (CEO) & Co-Founder, Dream Sports*, who discussed his work in clean energy and the importance of solving real-world problems. The day further featured a speaker session by **Mr. Chiranjeevi Phanindra B**, *Founder of Cosmoserve Space and former Deputy Project Director of the Gaganyaan Mission (ISRO)*, who shared his extensive experience in the space technology domain. He elaborated on critical concepts such as satellite collision risks, space traffic management, and in-orbit servicing. An additional panel discussion hosted by **Mr. Pawan Kataria**, *Assistant Registrar (P&D)*, brought together prominent entrepreneurs from Chhattisgarh, further enriching the day's proceedings. **Mr. Dhruv Goel**, *CEO, BigMint Technologies Pvt Ltd*, shared insights from his journey of building SteelMint into BigMint, **Ms. Kanika Singh Chopda**, *Founder at Mishmash Naturals*, spoke about transitioning from a senior corporate role to entrepreneurship to create Ayurvedic personal care products for children, **Mr.**

Labdhi Chopda, *Co-Founder at Mishmash Naturals*, highlighted how early customer trust played a key role in their startup journey, **Mr. Vijay Relwani**, *Founder & CEO at Relwani Automotives Pvt. Ltd.* emphasized that solving real-world problems matters more than academic pedigree while discussing the growing impact of EVs, and **Mr. GV Himanshu**, *Co-Founder, JVAPA Foods* stressed the importance of managing supply chains in the early stages of a startup. The final day was marked by insightful speaker sessions and panel discussions. The highlight of the day was the enlightening sessions by **Shri Vijendra Chauhan**, *Indian Educator & Social Media personality*, and **Shri Acharya Prashant**, *Author & Indian Spiritual Teacher*, who inspires students with their perspectives on life and growth. The day began with a panel discussion moderated by **Mr. Kataria**, featuring **Shri Gaurav Agrawal**, *Director, Real Ispat & Power Ltd*, and **Ms. Aparna Chandra**, *Headmistress, St Xavier's High School*, as keynote speakers. **Shri Gaurav** emphasized the need to move beyond being importers and assemblers to becoming designers and developers, especially in fields like semiconductors and robotics.



Ms. Chandra highlighted the importance of consistent effort, passion, and collaborative learning. A speaker session was also conducted by **Shri Vishva Mohan**, *Founder of up Grad School of Technology*, who shared insights on building a successful career in today's dynamic tech landscape. In another engaging session, **Shri Sachin Gaur**, *Chief Learning Officer at KPMG India*, motivated students to embrace failures as learning opportunities, take early initiative, and continuously refine their skills. The closing ceremony was graced by **Prof. Rao**, **Shri Vijay Chhablani**, *CMD, BSNL Chhattisgarh*, **Dr. Aparna**, and **Prof. Bajpai**, along with faculty members, the organizing committee, staff, and students. Addressing the gathering, **Prof. Bajpai** highlighted the objective of Anantya as a platform that promotes practical, sustainable, and technically viable solutions. **Prof. Rao** encouraged students to learn beyond classrooms and embrace opportunities in AI, ML, and startups. **Dr. Aparna** described Anantya as an emerging national platform where ideas take shape, while **Shri Vijay** emphasized the need for better incubation and stronger industry-government collaboration to turn ideas into action. Winners of various competitions held over the three days were also felicitated during the ceremony.

Rangmanch 2026 Organized by Abhinay Club

Abhinay- The Dramatics Club, NIT Raipur and **Think India Committee** organized the art, theatre, and film festival *Rangmanch* on 19th Mar. 2026. The event was organised with the support of the *C.G. Housing Board, Government of Chhattisgarh*. **Ms. Phoolbasan Bai Yadav, Padma Shri awardee**, graced the occasion as the *Chief Guest*. The event was also honoured by the presence of **Mr. Satish Gokul Panda, Secretary of the Centre for Studies on Holistic Development (CSHD)**, **Prof. N. V. Ramana Rao, Director, NIT Raipur**, and **Prof. N. D. Londhe, Registrar, NIT Raipur**. Special guests included **Prof. Samir Bajpai, Head, CDC**, and **Dr. Anuj Kumar Shukla, Assistant Professor, ME, NIT Raipur** and *State Coordinator, Think India*. The event coordinators, **Dr. Nisha Netam, Associate Professor, ME**, **Dr. Meena Murmu, Associate Professor, CE**, and **Prof. Sachin Sahu, Professor, EE**, along with faculty members, **Mr. Ayush Mishra**, and a large number of enthusiastic students, actively participated in the program.



Addressing the gathering, **Dr. Shukla** described *Think India* as a powerful platform that promotes nationalist values and holistic development among students. **Prof. Londhe** appreciated the theme of women empowerment and praised the remarkable contributions of **Ms. Phoolbasan Bai Yadav** towards uplifting women in society. **Shri Yadav** shared her inspiring journey of struggle and empowerment. She spoke about her efforts in Chhattisgarh, where she has trained and supported lakhs of women through self-help groups, helping them become self-reliant and confident. **Mr. Panda**, in his address, highlighted the importance of holistic development among students. He stated that success depends not only on academic knowledge but also on soft skills such as communication, critical thinking, and adaptability.

Rangmanch featured a diverse range of captivating performances that enthralled the audience, including impactful theatrical acts by the dramatics club, short films, and special screenings. Renowned poets **Mr. Azhar Iqbal** and **Mr. Madan Mohan Danish** delivered engaging poetry recitations, while **Mr. Sandeep Sharma** entertained the audience with his comedy performance. The Sufi-Bollywood musical evening by the *Indian Roller Band* and the performance by **Ms. Megha Bose Tamrakar** and her band added vibrant energy to the event. Additionally, a heartfelt group singing performance by

students from the *National Association for the Blind (NAB)* and *Prerna Gurukulam Vidyapeetham* conveyed a beautiful message of sensitivity and inclusivity

The Third Edition of Hindi Magazine Asmita Unveiled by Rajbhasha

Rajbhasha Committee, NIT Raipur, unveils the third edition of its annual Hindi magazine *Asmita* on 16th Apr. 2026. The objective of the program was to promote the importance and propagation of the Hindi language. The chief guest of the event was **Prof. N. V. Ramana Rao, Director, NIT Raipur**. Also present were **Dr. Manoj Chopkar, Dean (SW)**, **Prof. G. D. Ramtekkar, Dean (Planning & Development)**, and **Prof. S. K. Mukti, Professor, ME**. The event was organized under the guidance of **Dr. Sanjay Kumar, Associate Professor (I/C), Literary Committee**. **Prof. S. N. Raw, Professor, DoM**, and **Dr. Vikas Kumar Vidyarthi, Assistant Professor, CE, Faculty (I/C), Rajbhasha Committee**. Faculty members, staff, and students participated enthusiastically in the program.



At the beginning of the event, **Dr. Sanjay Kumar** welcomed all the attendees and expressed gratitude to the Director, Professors, and students for their support. In his address, **Prof. Rao** stated that the release of *Asmita* is a matter of great joy and pride. He emphasized that the magazine reflects that our language and our ideology are still alive and vibrant. Following this, all the dignitaries officially unveiled the **Rajbhasha Committee's** magazine *Asmita*. Subsequently, **Prof. Mukti, Prof. Ramtekkar**, and students presented their literary works, which were enjoyed by everyone. The program concluded with a *VoT* delivered by **Prof. Raw**, who expressed his appreciation to all the faculty members and students present.

World Environment Day by Go Green Club

Go Green Club, NIT Raipur, organized an AI-generated image and Video Making Competition on the occasion of World Environment Day under the theme **A Message from Nature**. The event aimed to promote environmental awareness by encouraging participants to combine technology, creativity, and sustainability through AI-powered storytelling.

The competition witnessed enthusiastic participation from students, faculty members, and staff members of the institute. Participants created AI-generated images and videos highlighting issues such as climate change, pollution, deforestation, waste management, and sustainable living. The event featured two categories, namely Best AI Video and Best

AI Image, and was conducted under the guidance of **Dr. Govind Prasad Gupta**, *Faculty (I/C), Go Green Club*.

Entrepreneurship Cell (E-Cell) Organized Two Speaker Sessions

NIT Raipur's Entrepreneurship Cell (E-Cell) organized two insightful speaker sessions for students. The first session on Learn How Startups Turn Ideas into Funded Ventures was conducted by **Mr. Ankush Sharma**, *founder AmbSeva, AIBellor, and Techcure Innovations Private Ltd.*, who shared valuable insights on transforming innovative ideas into scalable startups and securing funding for entrepreneurial ventures.



The second session on Design Thinking, Critical Thinking, and Innovation Design was conducted by **Ms. Aastha Amanat**, *Co-Founder, Prasiddhi PR and Founder, Women Web and Amanat Foundation*, focusing on structured approaches to problem-solving, innovation, and idea development through the principles of design thinking.

BLITZ 2026 conducted by Aviation Club



The **Aviation Club, NIT Raipur**, successfully organized **BLITZ 2026**, a hands-on technical competition designed to test participants' practical skills in Computer-Aided Design (CAD), Computational Fluid Dynamics (CFD), and Finite Element Method (FEM). Unlike conventional competitions, participants were presented with on-the-spot engineering problem statements and were required to develop appropriate CAD models, generate quality meshes, apply suitable material properties and boundary conditions, perform simulations, and interpret the obtained results within a limited timeframe. The event emphasized real-world engineering problem-solving, analytical thinking, and proficiency in industry-standard simulation tools.

BLITZ 2026 provided students with valuable practical exposure while encouraging teamwork, technical excellence,

and time management. The Aviation Club extends its heartfelt congratulations to all the winners for their outstanding performances and appreciates every participant for their enthusiasm, dedication, and competitive spirit, which contributed to the success of the event.

Plogging Drive Organized by NSS

National Service Scheme (NSS) Club, NIT Raipur, organized a Plogging Drive on 31st Mar. 2026 as part of the institute's Zero Waste Week initiative. Centered around the inspiring motto, *Run for Fitness, Pick for Cleanliness*, the event encouraged students and volunteers to combine physical exercise with environmental service by jogging across the campus while collecting litter. The drive aimed to promote awareness about proper waste disposal, cleanliness, and sustainable living practices while fostering a sense of civic responsibility among participants. Volunteers actively covered various areas of the campus, collecting plastic waste and other litter, contributing to a cleaner and healthier environment. The initiative highlighted the importance of individual action in achieving collective environmental goals and demonstrated how simple everyday activities can create a meaningful impact.



Through enthusiastic participation and teamwork, the event successfully reinforced the values of environmental stewardship, community engagement, and personal well-being, making it a significant contribution to the institute's commitment to sustainability and the vision of a cleaner, greener campus.

Open Wave Hosted by Raaga



Raaga the Music Club, NIT Raipur, hosted **Open Wave**, an open-air musical performance aimed at bringing music closer to the audience in its most direct form. The session focused on creating a space where instruments and vocals could be experienced without barriers, encouraging genuine expression and a shared connection through sound.

Voltverse: A Speaker Session Organized by Motorsports Club



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**, *Senior R&D Engineer, L&T*, who shared insights on EV advancements, industry trends, and his experience in research and development. 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.

Alumni Achievement

- NIT Raipur congratulates **Mr. Sanjay Khandelwal** (1986/Elect) on his promotion to Executive Director at **CSPDCL (Chhattisgarh State Power Distribution Co. Ltd.)**.



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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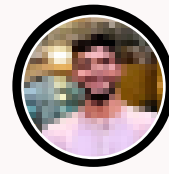
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