



प्रतिBimbh

NIAMT RANCHI - QUATERLY NEWSLETTER

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SEASONAL SWITCH IN NIAMT RANCHI

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DEAN ACADEMIC'S Message

Dr. Niranjan Kumar Singh
Dean, Academic



It is my pleasure to present this quarterly edition of our institute's newsletter Pratibimbh, reflecting our steady progress toward academic excellence and innovation. During this quarter, we have witnessed notable achievements in academics, research, industry collaboration, and student development. Our faculty members have continued to enrich the teaching-learning process through outcome-based education, project-based learning, and integration of emerging technologies. Students have actively taken part in technical competitions, internships, workshops, and research initiatives, bringing pride to the institution.

We remain committed to strengthening our academic ecosystem by enhancing laboratory facilities, promoting interdisciplinary research, and fostering industry-institute interaction. Emphasis on skill development, ethical values, and professional responsibility stays central to our academic vision. The collective efforts of our faculty, students, and staff continue to elevate the standards of our institution. I congratulate all achievers and express my sincere appreciation to everyone contributing to our academic growth.





ACADEMIC HIGHLIGHTS



INDUSTRIAL VISIT

Department of Foundry and Forge Technology

8th November 2025

The **Department of Foundry and Forge Technology**, NIAMT Ranchi, successfully organized an industrial visit for the **B.Tech. 3rd Year Production and Industrial Engineering students** to **Ramkrishna Forgings Limited (Plant V)**, Jamshedpur, on November 8, 2025. The visit provided students with a first-hand exposure to modern forging operations in a large-scale industrial environment.

During the visit, students gained valuable insights into advanced forging processes, automation and robotics integration, and industrial safety practices. The experience helped them bridge the gap between theoretical knowledge and real-world manufacturing applications, enhancing their practical understanding of production systems.

We sincerely thank the department faculty and staff for their continuous guidance and support, and extend our gratitude to the RKFL team for their warm hospitality and informative interaction, which made the visit both educational and inspiring.



Department of Foundry and Forge Technology

15th November 2025

A one-day industrial visit to **Tata Motors, Jamshedpur** was organized for 20 students from the **Production & Industrial Engineering** branch and the Foundry & Forge Technology department of **National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi**.

During the visit, students explored *Truck Assembly Line 3* and the foundry shop, gaining valuable real-world exposure to large-scale manufacturing operations, production workflows, and industrial best practices.

The institute extends heartfelt gratitude to the Tata Motors team for hosting the visit. Special thanks to **Dr. Himanshu Khandelwal** and **Dr. Vivek S. Ayar** for accompanying and guiding the students. Appreciation is also extended to **Dr. Manoj Kumar** and the student placement coordinators for their efforts in making this enriching industrial exposure possible.



Department of Foundry and Forge Technology

25th November 2025

A one-day industrial visit to **Tata Motors, Jamshedpur** was organized on 25th November for 21 students from the **Production & Industrial Engineering** branch and the Foundry & Forge Technology department of **National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi**.



During the visit, students explored *Truck Assembly Line 3* and the foundry shop, gaining valuable real-world exposure to manufacturing processes, assembly operations, and industrial practices.

The institute extends sincere gratitude to the Tata Motors team for hosting the visit. Special thanks to **Dr. Vineet Chak** and **Dr. Deepak Kumar** for accompanying and guiding the students. Appreciation is also extended to **Dr. Manoj Kumar** and the student placement coordinators for their support in making this enriching industrial exposure possible.



Department of Mechanical Engineering

28th November 2025

A one-day industrial visit to the **MSME Tool Room, Jamshedpur** was successfully conducted for **B.Tech 3rd Year Mechanical Engineering** students.

During the visit, students explored advanced manufacturing facilities including CNC machining, CAM operations, 3D printing, Wire-EDM, EDM, and precision tool and die development. The experience provided valuable real-world exposure to modern industrial practices and emerging manufacturing technologies.

The institute extends sincere gratitude to the MSME Tool Room team for their warm hospitality and informative interactions. Special thanks to **Dr.**

G. Rajamohan and **Dr. Lokeswar Patnaik** for accompanying and guiding the students. Appreciation is also extended to the department for supporting and facilitating this enriching industrial exposure.



Department of Mechanical Engineering

29th November 2025

Third-year Mechanical Engineering students of NIAMT participated in an industrial visit to **MSME Tool Room, Jamshedpur**, gaining hands-on exposure to advanced manufacturing technologies.

The visit provided a comprehensive exposure to advanced manufacturing technologies, including live demonstrations of CNC machining centers, CAM-integrated operations, 3D printing technologies, Wire-EDM and EDM processes, as well as precision tool and die manufacturing systems.

The institute extends sincere appreciation to the MSME Tool Room team for their support and hospitality. Special acknowledgment is given to **Dr. Umesh Khandey** and **Dr. Jagesvar Verma** for accompanying the students and enriching the learning experience.



Department of Environmental Engineering

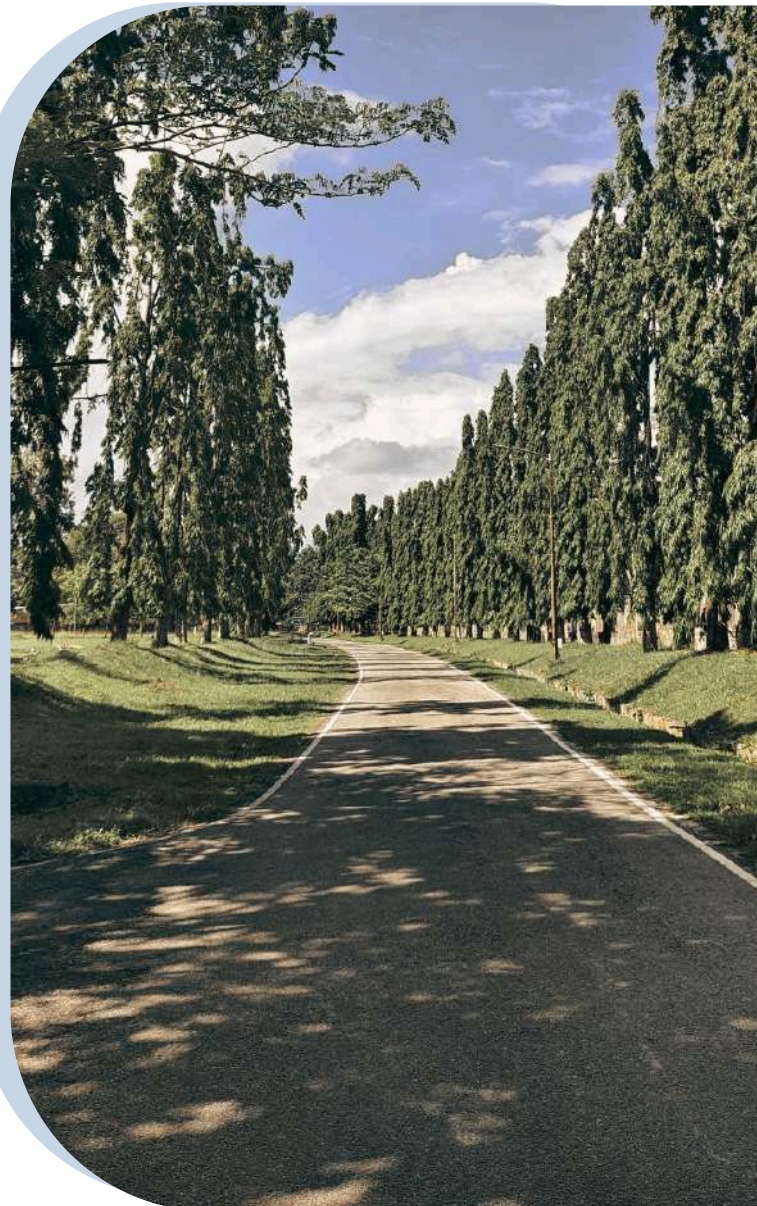
11th December 2025

Environmental Engineering students visited the **R&D Centre for Iron and Steel, Ranchi**, where they interacted with scientists and engineers to gain insights into **wastewater treatment and waste management systems** employed in the iron and steel industry.

During the visit, students interacted with scientists and engineers, gaining valuable insights into wastewater treatment systems and waste management practices adopted in the iron and steel industry. The session provided practical understanding of environmental compliance, sustainable industrial operations, and modern pollution control technologies.



provided a deeper understanding of environmental monitoring, regulatory compliance, and sustainable mining practices.



Department of Environmental Engineering

16th December 2025

Environmental Engineering students of **NIAMT Ranchi** visited **CMPDI, Ranchi** gaining hands-on exposure to laboratory facilities and practical insights into **Environmental Impact Assessment (EIA) of coal mines**.

During the visit, students gained valuable exposure to advanced laboratory facilities and received practical insights into the Environmental Impact Assessment (EIA) processes related to coal mining projects. Informative sessions and expert interactions



RESEARCH AND PUBLICATION

NOTABLE RESEARCH PUBLICATIONS

Department of Applied Sciences and Humanities

The Department of Applied Sciences and Humanities has added another significant achievement to its research portfolio through the scholarly work of **Dr. Yashavant Kumar** and **Dr. Vandana Guleria**. Their research paper titled *“Multiple Color Image Encryption Based on 6D Hyperchaotic System with HCM and Fibonacci Q-Matrix”* has been accepted in The Imaging Science Journal. The study proposes a secure image encryption method using a 6D hyperchaotic system. Dr. Vandana served as the main supervisor, with Dr. Yashavant as co-author. The paper is indexed in Web of Science (WoS), highlighting its academic significance.

Department of Applied Sciences and Humanities

The Department of Applied Sciences & Humanities proudly highlights the scholarly contribution of **Dr. Khushboo**, who authored the research paper titled *“Interpreting Gender Dialectics of Power and Control in the Durga Saptashati: A Feminist Literary Approach.”* The paper has been published in *Volume 13, No. 2 (2025)* of the *International Journal of Humanities Education*. **Dr. Khushboo** served as the Main Author, presenting a critical feminist interpretation of the Durga Saptashati, examining themes of power, control, and gender dynamics within the classical text. The journal is indexed in Scopus, ensuring wide academic visibility and recognition.

Materials and Metallurgical Engineering Department

Dr. Vaishali Poddar, Mandar Ujjainkar, Narendra Dhokey, “Performance Evaluation of Photovoltaic, Thermoelectric and Direct Cooling based Hybrid for Enhancement in Efficiency”, at the **International Conference on Recent Trends in Intelligent computing Manufacturing and Electronics (rTIME-2025)** organized by the Department of Electronics and Computer Engineering (ECE), NIAMT at NIAMT Ranchi during the period of *5th - 7th December 2025*.

Department of Foundry and Forge Technology

The Department continues to contribute to impactful research through notable publications. **Dr. Himanshu Khandelwal** and collaborators published work on title *“Graphene as green sand mold additives: Morphology and effect on molding properties “*. Another paper published on *“Combined Effect of Melt Shearing and Mold Vibration on Morphology of Si and Mechanical Properties of Rheo-gravity Die Casting of A339 Al Alloy”*. Additionally, a paper on *“Lost Foam Casting – A Green Technology”* was published by **Dr. Nandita Gupta, Dr. Himanshu Khandelwal, Dr. Vivek Ayar**. All publications are SCI-indexed, reflecting strong research impact.

◆ FUNDED PROJECTS

Department of Electronics and Computer Engineering

The Department of Electronics and Computer Engineering has secured a funded research project titled “*Smart Depression Monitoring System.*” The project is **sponsored by the Ministry of Micro, Small & Medium Enterprises (MSME)**. This initiative focuses on developing an intelligent system aimed at early detection and monitoring of depression using advanced electronic and computational technologies. The funding support from MSME reflects the project’s innovation potential and its relevance to societal well-being, highlighting the department’s commitment to impactful and socially responsible research.

Department of Foundry and Forge Technology

The Department of Foundry and Forge Technology (FFT) is undertaking a research project titled “**Technology development for the manufacturing of electrical steel thin ring profile casting using centrifugal casting**” in collaboration with **Tata Steel, Jamshedpur**. The project spans from *July 2024 to December 2026*, with a duration of 1.5 years and a sanctioned amount of ₹9.99 lakh.

The project is currently ongoing under the guidance of **Dr. Himanshu Khandelwal** and **Dr. Vivek Ayar as Principal Investigator/Co-Principal Investigator**, focusing on advancing casting technologies and enhancing manufacturing efficiency in the steel industry.

In continuation, the Department is also undertaking another project titled “**Experimental Work and Implementation of Smart Heat Treatment Technologies for Oil/Gas Fired Furnace**” in collaboration with **CMTI Bengaluru**. The project is being carried out from *July 2024 to March 2026*, with a duration of 1 year and 4 months and a sanctioned amount of ₹6.2 lakh. It is currently ongoing under the guidance of **Dr. Himanshu Khandelwal** and **Dr. Vivek Ayar as Principal Investigator/Co-Principal Investigator**, with a focus on improving heat treatment efficiency and integrating smart technologies in industrial furnace operations.

Further continuing, the Department is also executing a project titled “**Establishing Technology for Higher Yield of Critical Castings**” in collaboration with **BHEL Haridwar**. The project is being conducted from *October 2023 to March 2026*, with a duration of 2.5 years and a sanctioned amount of ₹32 lakh. It is currently ongoing under the guidance of **Dr. Himanshu Khandelwal**, focusing on enhancing yield, improving process reliability, and optimizing the production of critical cast components in industrial applications.

The department has successfully undertaken a consultancy project titled “*Technical Consultancy and Process Optimization Services – Vacuum Lost Foam Casting Process,*” led by **Dr. K. K. Singh, Dr. Himanshu Khandelwal, and Dr. Vivek Ayar**. The project was carried out for Rashmi Metaliks, focusing on providing expert consultancy and optimizing casting processes to enhance efficiency and product quality.



The consultancy work falls under industry collaboration, with a total amount of ₹23.5 lakh, reflecting the department's strong expertise in delivering practical solutions and technical support to industrial partners.

Materials and Metallurgical Engineering Department

A consultancy project titled **"Materials Characterization"** is being led by **Dr. Vaishali Poddar** in collaboration with **M/s Usha Martin Ltd., Ranchi**, with a sanctioned amount of ₹9.75 Lakhs for the academic year 2025–2026. The project is currently ongoing and focuses on advancing material analysis for industrial applications.

◆ PATENTS GRANTED

Demonstrating excellence in research and innovation, the following patents have been successfully granted:

- Patent No. 202121015521

Synergy between Photovoltaic, Thermoelectric and Direct Evaporative Cooling to Develop a Novel Hybrid Energy System

Inventors: V.S. Poddar, V.A. Ranawade, N.B. Dhokey

Granted on: 21 November 2025

- Patent No. 457575-001

A Powder Extrusion Machine

Inventors: V.S. Poddar, D. Roy

Granted on: 07 August 2025

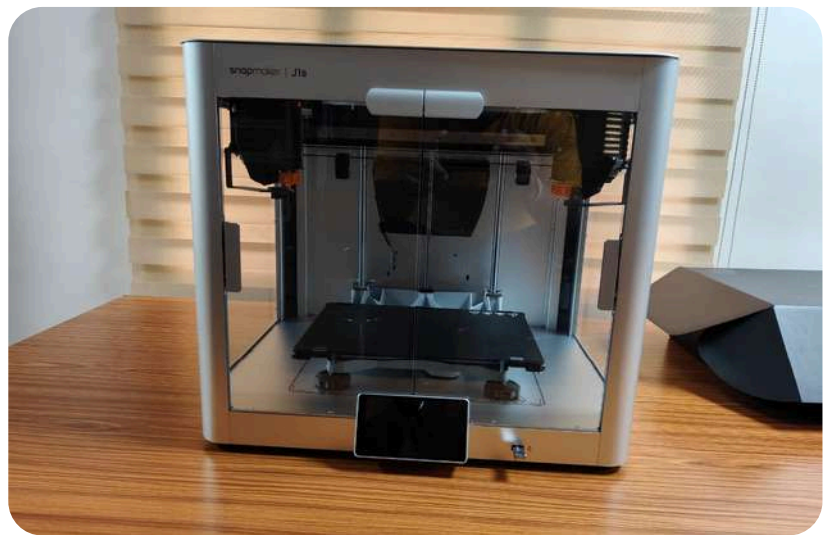
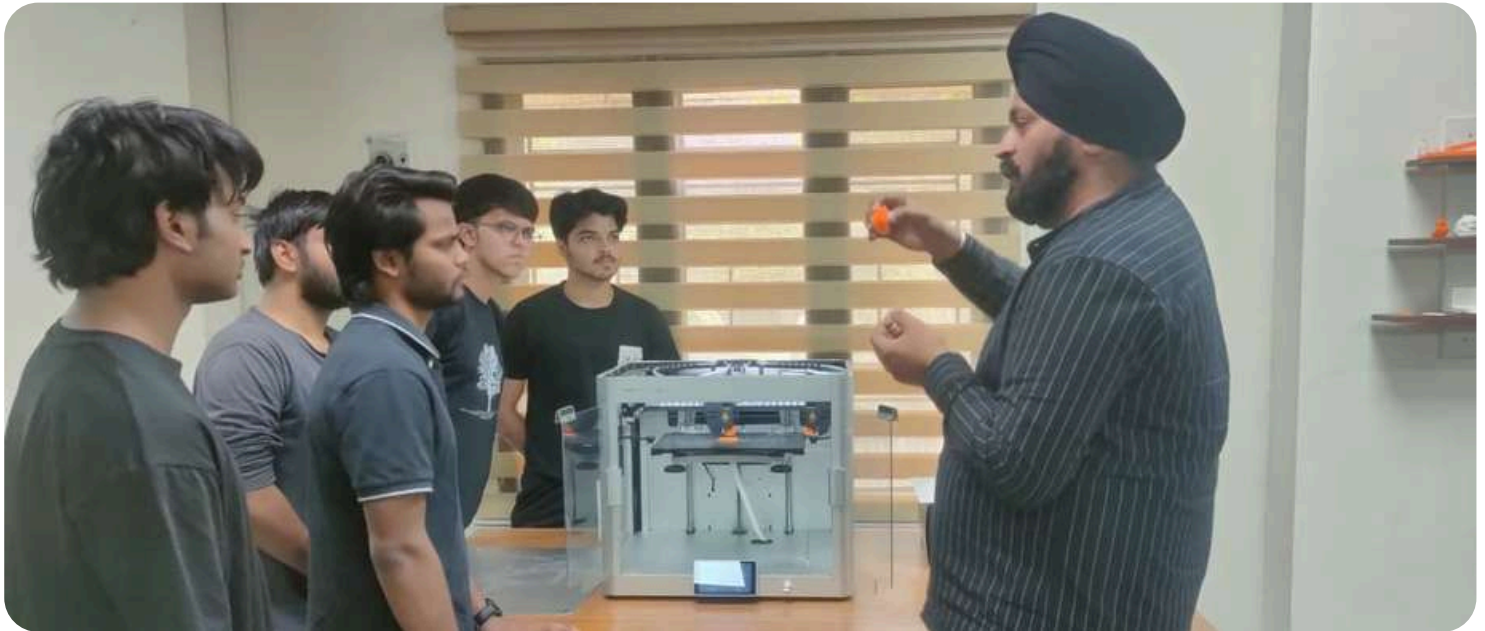
These achievements highlight the institute's commitment to cutting-edge research, industry collaboration, and technological innovation.

◆ LAB UPGRADES

The *Electronics and Automation Lab* of the Department of Electronics and Computer Engineering has been upgraded under the guidance of **Dr. Ravinder Pal Singh**. A *Double Extruder FDM 3D Printer*, **Model:** Snapmaker, has been installed to enhance practical exposure and innovation capabilities within the laboratory. This addition strengthens hands-on learning and supports advanced prototyping activities for students and researchers.

The dual extrusion feature enables multi-material and dual-color printing, expanding the scope of design experimentation, project development, and research applications in electronics and automation.

As part of continuous infrastructure development, this upgrade significantly enhances the lab's capability in rapid prototyping, product development, and interdisciplinary innovation, fostering experiential learning and technical skill development among students.



FACULTY CORNER

◆ GUEST LECTURES GIVEN OR ATTENDED

Department of Mechanical Engineering

September 24, 2025

Dr. Anoop Kumar Sood from the Mechanical Engineering Department delivered an expert lecture titled "*Auxetic Metamaterials: Unfolding the Future of Negative Poisson's Ratio Structures*" at the **DST-ANRF-sponsored workshop on Advanced Materials and Manufacturing: Characterization and Applications (AMMCAS-2025)**. The workshop was *hosted by the National Institute of Technology, Surathkal* on September 24, 2025. Through this session, Dr. Sood elaborated on the



emerging applications and structural advantages of auxetic metamaterials, highlighting their significance in advanced engineering design and smart material systems. The lecture contributed to academic exchange and knowledge dissemination in the field of innovative materials research.

► CONFERENCES ATTENDED

Department of Mechanical Engineering

Dr. Vaishali Poddar represented NIAMT at **One-Day National Visioning Conference on “Envisioning Tomorrow’s University: A Transdisciplinary Dialogue on the Future of Education”** organized by **MIT World Peace University at IIIT Ranchi**.

Faculty members actively participated in various national and international conferences, contributing to academic exchange and professional development.

12th September 2025

Dr. Khushboo, Dr. Sumbul Rahman, Dr. Vandana & Dr. Nilima Das from the **DASH Department** attended *rTime* organized by *National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi*, from December 5–7, 2025. The event provided a platform for discussions on emerging trends, interdisciplinary collaboration, and knowledge sharing among academicians and researchers.

December 5–7, 2025

Dr. Shalini Mahato from the **ECE Department** served as a **Session Chair** at **The International Conference on Machine Learning and Data Engineering (ICMLDE-2025)** organized by *University of Petroleum and Energy Studies (UPES), Dehradun*, held from November 6–8, 2025. Her role as Session Chair reflected her expertise in the field and facilitated scholarly discussions in machine learning and data engineering.

November 6–8, 2025

Additionally, **Dr. Shalini Mahato** participated in a **Workshop on Cyber Security** organized by *National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi*, from October 6–10, 2025. The workshop enhanced her knowledge in contemporary cybersecurity practices and emerging digital security frameworks.



CONFERENCES ORGANISED

Department of Electronics and Computer Engineering

December 5-7, 2025

The Department of Electronics and Computer Engineering successfully organized **The International Conference on Recent Trends in Intelligent Computing, Manufacturing, and Electronics (rTIME 2025)** on December 5, 2025, in hybrid mode (Online/Offline). The conference was coordinated by Dr. Ravinder Pal Singh and Dr. Shalini Mahato as Organizing Secretaries, under the convenership of Prof. Madhu Kumari. The event brought together academicians, researchers, and industry professionals to deliberate on advancements in Artificial Intelligence, Machine Learning, IoT, Robotics, Cyber-Physical Systems, Smart Electronics, and Advanced Manufacturing.

The conference featured eminent international keynote speakers including Prof. Francesco Flammini from the University of Florence, Prof. Vishnu S. Pendyala from the San Jose State University, and Prof. Lagouge Tartibue from the University of Johannesburg. Distinguished Indian academicians such as Prof. P. M. Pandey from the Indian Institute of Technology Delhi also delivered insightful sessions. The conference was graced by Prof. Rajeev Srivastava, Director of Indian Institute of Information Technology Ranchi, as the Chief Guest.

Spanning three days (5th–7th December 2025), the event attracted around 100 attendees and featured more than 110 research paper presentations on intelligent systems, automation, IoT-driven solutions, cloud–edge computing, and cybersecurity. rTIME 2025 marked a significant milestone in strengthening interdisciplinary research collaboration and fostering innovation within India's academic and technological ecosystem.





◆ FDP / SEMINAR / WORKSHOP / SHORT-TERM COURSE – ATTENDED

Faculty members actively participated in various Faculty Development Programmes (FDPs), seminars, and certification courses to enhance their academic and research competencies. **Dr. Vaishali Poddar** completed the **NPTEL course** on **Mechanical Behavior of Materials (Part 1)**.

Dr. Abhilash T. Nair from the **Environmental Engineering Department** successfully completed the *Six Months AICTE-QIP-PG Certification Programme* titled “*From AI to Generative AI: Unlocking the Power of Smart Technologies*” conducted **by the Indian Institute of Information Technology Allahabad** on November 20, 2025 (Offline + Online mode). The programme provided in-depth exposure to Machine Learning, Artificial Intelligence, and Generative AI, strengthening expertise in emerging smart technologies.

November 20, 2025

Link to QJP-PG- https://drive.google.com/open?id=1B0smJxyvy5UsuaExWnRYoORT5Re_EzBp

Dr. Vandana from the **Department of Applied Sciences & Humanities** attended a *6-Day Atal FDP (Online)* titled “*Accelerating Innovation: Artificial Intelligence for the Development of Smart Systems*” **organized by Birla Institute of Technology Mesra, Noida Campus**, starting December 1, 2025. The FDP focused on AI-driven innovation, smart system development, and interdisciplinary technological applications.

December 1, 2025

Dr. Khushboo from the **Department of Applied Sciences & Humanities** participated in the *8-Day National Conclave* titled “*Dialogues in English Studies: Contemporary Approaches to Pedagogy, Research & Practices*” **organized by The EdHub** from December 10–19, 2025 (Online mode). The conclave enriched her understanding of contemporary approaches to teaching methodologies and research practices in English Studies, contributing to pedagogical advancement and scholarly engagement.

December 10–19, 2025

◆ FDP / SEMINAR / WORKSHOP / SHORT-TERM COURSE – ORGANISED

Department of Mechanical Engineering

October 6, 2025

The Department of Mechanical Engineering organized a **Five-Day Workshop** on “*CATIA, SIMUFACT Welding and Forming Simulation*” starting from October 6, 2025, in offline mode. It was organised by **Dr. Jageswar Verma** as convenor & **Dr. A.K Sood** as chairman of the workshop. The workshop was designed for researchers, faculty members, and industry professionals to enhance their practical expertise in advanced design and manufacturing tools. 30 students participated in the workshop, making it successful.

In addition, Dr. A.K Sood has been recognized as a Highly Cited Researcher by Web of Science for two consecutive years (2023 and 2024) for authoring multiple highly cited papers that rank within the top 1% by citations over the past decade. He has also been featured for five consecutive years (2021–2025) in Stanford University’s global list of the Top 2% Researchers Worldwide, based on Elsevier data, in the field of Engineering and the subfield of Materials, currently ranked 5,077 out of 314,399 authors in this category.



EVENTS AND WORKSHOPS

◆ CYBER AWARENESS PROGRAM

Department of Electronics & Computer Engineering

10th October 2025

The **Department of Electronics & Computer Engineering**, in collaboration with the **IEEE Student Branch**, NIAMT Ranchi, successfully organized a **5-Day Workshop on Cyber Security**. The program focused on key areas such as cyber security fundamentals, cyber crime and digital forensics, safe browsing and social media security, blockchain and federated learning for security, and cyber laws and digital ethics.

The workshop was conducted under the convenership of **Dr. Rahul Mishra** and the mentorship of **Dr. Madhu Kumari**, ensuring impactful learning and enthusiastic participation. The event concluded on 10th October 2025, marking a successful initiative toward promoting cyber awareness and responsible digital practices.



◆ SMART INDIA HACKATHON 2025

7th October 2025

NIAMT Ranchi hosted the internal round of **Smart India Hackathon 2025**, witnessing an energetic day of innovation and problem-solving. More than **35 teams comprising over 200 students** enthusiastically participated, presenting innovative ideas and practical solutions to real-world challenges.

From intense brainstorming sessions to confident project presentations, the participants truly reflected the spirit of technological innovation and collaborative learning. The event showcased the talent, teamwork, and determination of our young innovators, reinforcing NIAMT's commitment to nurturing problem-solving skills and entrepreneurial thinking.



◆ CATIA WORKSHOP

Department of Mechanical Engineering

6th - 10th October 2025

The Department of Mechanical Engineering and Simcore Lab, NIAMT Ranchi, in collaboration with Solize India Technologies Pvt. Ltd., organized a 5-day hands-on workshop on CATIA, Simufact Welding, and Simufact Forming.

The program featured three days of intensive training on MSC Apex, Simufact Welding, and Simufact Forming, followed by two days dedicated to CATIA and Surface Design.

The workshop was conducted under the convenership of **Dr. Jagesvar Verma** and the chairmanship of **Dr. A. K. Sood**. Industry experts **Mr. Aneesh Bhaskar**, **Mr. Prashant Kamboj**, and **Mr. Siddharth Kiron from Solize India Technologies Pvt. Ltd.** guided participants through simulation workflows and CATIA design practices.



▶ ROBOTICS, DRONE, AI WORKSHOP

Student Fostering Unit (SFU-Gymkhana)

12th October 2025

The **Student Fostering Unit (SFU-Gymkhana)** organized an engaging workshop on **Robotics, Drone Technology, and Artificial Intelligence** to promote awareness of emerging technologies among students.

The program was conducted in collaboration with Techfest **IIT Bombay** and **OJASS NIT Jamshedpur**, with the aim of enhancing students' technical understanding and exposure to modern innovations. The session covered key concepts, practical applications, and recent advancements in these rapidly growing fields, helping participants connect theoretical knowledge with real-world implementation.

The workshop provided valuable insights into current industry trends and future opportunities, encouraging students to explore technological innovation with greater confidence and curiosity. The institute sincerely thanks the collaborators from IIT Bombay and NIT Jamshedpur for their support and expertise, as well as all participants for their active involvement in making the event a success.



▶ SIDBI CLUSTER INTERVENTION PROGRAM (CIP)

15th-17th October 2025

A **3-Day Training Program on Ferrous Forging** at **ASIA/Adityapur Auto Cluster** under the **SIDBI Cluster Intervention Program (CIP)**. The program aims to enhance participants' technical knowledge and practical skills in ferrous forging processes, industry best practices, and quality improvement techniques. Participants will receive a certificate from NIAMT upon successful completion of the training.

▶ PRIZE DISTRIBUTION

Student Fostering Unit (SFU-Gymkhana)

17th October 2025

NIAMT successfully organized the **Prize Distribution Ceremony** for **Anti-Ragging Week, Hindi Pakhwada, and SIP Culturals (First Year)** at the Admin Building Lecture Hall.

The event celebrated the active participation and achievements of students who showcased creativity, discipline, and professionalism across

various competitions. The ceremony reflected the institute’s commitment to promoting a positive campus culture, linguistic appreciation, and holistic student development.



▶ **VIGILANCE AWARENESS WEEK**

Student Fostering Unit (SFU–Gymkhana)

27th October-7th November 2025

Vigilance Awareness Week 2025 was observed on the theme “*Vigilance: Our Shared Responsibility.*” with an Oath Ceremony led by the Chief Vigilance Of Vigilance awareness week officer, **Dr. R. K. Odhar.**

The oath was administered in the Lecture Hall of the Administrative Building, where faculty members, staff, and students collectively pledged to uphold integrity, transparency, and ethical conduct in all spheres of life. The solemn ceremony marked a strong commitment to this

year’s theme, “**Vigilance: Our Shared Responsibility.**”

As part of the observance, a series of engaging competitions—including Essay Writing, Slogan Writing, Quiz, Rangoli, and Poster Making—were organized on the same day. Students participated enthusiastically, showcasing creativity and a deep understanding of the importance of vigilance and accountability.



▶ **SWACHHATA SPECIAL CAMPAIGN 5.0**

Student Fostering Unit (SFU–Gymkhana)

31th October 2025

The **Swachhata Special Campaign 5.0** (2025) was successfully concluded. Contributors and volunteers who played a key role in the campaign were honoured by the respected **Dean (Academics)** as a mark of appreciation.





PRIZE DISTRIBUTION

Student Fostering Unit (SFU-Gymkhana)

5th November, 2025

NIAMT Ranchi successfully conducted the Prize Distribution Ceremony for the competitions held during **Vigilance Awareness Week 2025**.

The ceremony was graced by the Chief Vigilance Officer, **Dr. R. K. Odhar**, and concluded with a vote of thanks delivered by **Dr. Himanshu Khandelwal**.

Students had actively participated in Essay Writing, Slogan Writing, Quiz, Rangoli, and Poster Making competitions organized on 30th October 2025, demonstrating creativity and a strong commitment to the theme "*Vigilance: Our Shared Responsibility*." The ceremony celebrated their efforts and reinforced the institute's dedication to promoting integrity, transparency, and ethical awareness on campus.



SHORT-TERM TECHNICAL COURSE

Department of Foundry & Forge Technology

3rd -7th November 2025

NIAMT Ranchi is organizing a Short-Term Technical Course on **Advanced Foundry Techniques and Processing** for participants from the **Naval Dockyard, Mumbai**. Organized by the Department of Foundry & Forge Technology, the program aims to enhance practical knowledge and advanced skill development in modern foundry processes. The course is designed to provide industry-oriented training, focusing on contemporary techniques, quality improvement practices, and process optimization in foundry operations.



C- PROGRAMMING WORKSHOP

Department of Electronics and Computer Engineering

3rd November 2025

The Department of Electronics and Computer Engineering inaugurated a **10-Day Skill Enhancement Workshop on C Programming**, focusing on building strong programming fundamentals.

The inaugural session was led by **Dr. Rahul Mishra**, who introduced students to the fundamentals of C, including program structure, data types, operators, input/output handling, and hands-on coding practice.

Students participated enthusiastically in the session, demonstrating keen interest in strengthening their programming fundamentals and preparing themselves for future technical and industry challenges.



▶▶ C WORKSHOP

Department of Electronics and Computer Engineering

3th - 14th November 2025

The **10-Day C Programming Skill Enhancement Workshop (3-14 Nov 2025)** was successfully completed with enthusiastic participation. Throughout the workshop, participants gained valuable hands-on coding experience, strengthened their programming fundamentals, and demonstrated remarkable dedication and consistency during the sessions. The program provided a strong foundation in core C concepts while encouraging practical problem-solving skills. Congratulations to all the participants for successfully completing the workshop and earning their certificates.

▶▶ CELEBRATING 150 YEARS OF VANDE MATRAM

7th November 2025

With pride and patriotism, the institute joined the nation in celebrating **150 years of the National Song "Vande Mataram"** on 7th November 2025. The event reflected unity, cultural harmony, and a heartfelt tribute to the spirit of India.

The occasion was a heartfelt tribute to the enduring spirit of unity, cultural heritage, and national pride. Faculty members, staff, and students came together in a moment of collective harmony and respect, reflecting the essence of the celebration.

The event resonated with the message of unity and patriotism, aligning with the broader vision of **Ministry of Culture** and the spirit of Ek Bharat Shreshtha Bharat.



RECENT TRENDS IN INTELLIGENT COMPUTING, MANUFACTURING AND ELECTRONICS (RTIME-2025)

Department of Electronics and Computer Engineering

5th - 7th December 2025

The **International Conference on Recent Trends in Intelligent Computing, Manufacturing, and Electronics (rTIME-2025)** was successfully held organized by the Department of Electronics and Computer Engineering. The three-day event brought together eminent professors, industry experts, researchers, and young technologists from India and abroad, with over **110 research papers** presented.

The **three-day international conference** brought together distinguished academicians, industry experts, researchers, innovators, and young technologists from India and abroad. The event witnessed enthusiastic participation from students, research scholars, and professionals across interdisciplinary domains.

The institute extends sincere gratitude to the keynote speakers and session chairs for their valuable insights and for inspiring young researchers toward scientific excellence. Appreciation is also extended to the organizing committee, volunteers, technical teams, and all contributors whose dedicated efforts ensured the grand success of rTIME-2025.



PRIZE DISTRIBUTION

Student Fostering Unit (SFU-Gymkhana)

19th December 2025

The **Prize Distribution Ceremony for Jhankriti – Technical Competitions** was successfully held honoring winners for their outstanding performance and technical excellence.

Winners were felicitated for their exceptional performance, innovative ideas, and technical excellence demonstrated during the competitions. The event celebrated the spirit of creativity, problem-solving, and healthy competition among students.





SFU (GYMKHANA) STUDENT COMMITTEE

December 12, 2025

This **office order, No. A-038/2025**, dated 03/12/2025, announces the selection of students for posts/committees under SFU (Gymkhana), NIAMT. It supersedes the previous office order no. A-003 dated 09/01/2025.

Key Selections:

- **President:** Anurag Kumar (413/22)
- **Vice-President:** Mayank Kumar Verma (427/22)
- **General Secretary Committee:** Sai Harshavardhan Konisa (249/22), Om Mishra (141/23), Depani Lokesh (410/23), and Utsav Umang (449/23)
- **Treasurer Committee:** Saatyapi Bhattacharya (247/23) and Yekula Charmila (351/23)
- **Joint Secretary Committee:** Irfan Anis (232/23), Subhangi Raj (255/23), and Shravan Karthikeya Mutyala (445/24)
- **Technical Club Committee:** Pilla Puneet (138/24), Sahil Agarwal (250/24), and Matcha Ritika (320/24)
- **Games and Sports Club Committee:** Mirza Habibunnisa Begum (139/23), Kundan Saw (418/23), Satyam Kumar (152/24), and Harshit Pandey (223/24)
- **Cultural Club Committee:** Abhijeet Saini (201/23), Aditi Awasthi (102/24), Kinthada Prudhvi Sai (226/24), P. Vishank (325/24), and Shreyasi Pal (447/24)
- **Art Club:** Rahul Kumar (243/24), Abhishek Kumar Das (305/24), and Azmeera Lavaneeth (409/24)

The order is issued by the Coordinator, SFU, Sumeet Raj. Assistant Registrar and in the presence of the chairman of SFU (Gymkhana), Prof. Umesh Khandey.





ALUMNI CONNECT

NIAMT Alumni Association

19th - 20th December 2025



The **NIAMT First Batch (B.Tech 1995) Reunion – RE-CONNECT** was successfully celebrated, bringing together alumni to relive memories, celebrate friendships, and honor the institute’s enduring legacy. The occasion also marked the **launch of the quarterly alumni newsletter “Re-Connect”**.

The celebration began on a meaningful note with the blessings of Maa Saraswati, followed by the ceremonial lighting of the lamp, creating a positive and auspicious atmosphere. Cultural performances by students added vibrancy to the occasion, while the alumni shared motivational experiences from their professional journeys, creating a beautiful bridge between the past and the present. From shared stories to heartfelt reunions, the event truly reflected the spirit of reconnecting and celebrating a legacy that continues to inspire generations.



GET TOGETHER

NIAMT Alumni Association

31st December 2025



A memorable **alumni campus visit** took place welcoming distinguished members of the **B.Tech batch 2001–2005**, including Mr. Vikas Kumar, Mr. Dayashankar Mishra, Mr. Nirbhay Ranjan, Mr. Dinesh Kumar, and Mr. Arwind Kumar.

Their visit reflected a continued bond with their alma mater and a deep sense of belonging to the institute. During their time on campus, the alumni revisited the Central Workshop, Lecture Halls, MV Hostel, and the office of the **NIAMT Alumni Association**, fondly recalling their student days and appreciating the efforts made to strengthen alumni engagement.

They also shared valuable insights from their professional journeys, offering guidance and motivation to students and faculty members.



PLACEMENT SUMMARY REPORT (2025-26)

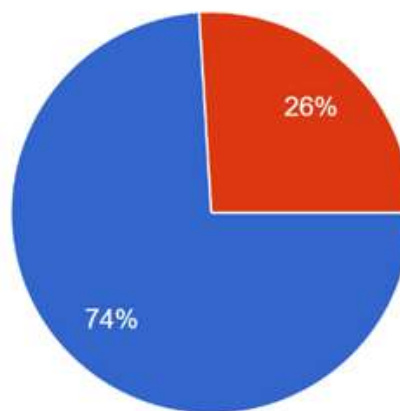
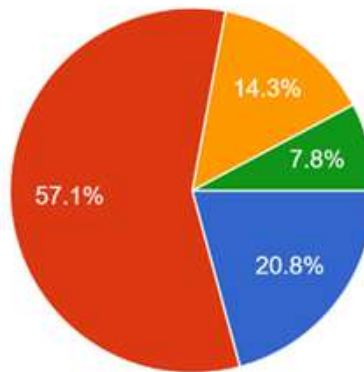
The institute has witnessed a strong placement season with **around 75+ placement offers** secured by students across multiple engineering branches including **Mechanical Engineering, Metallurgy and Materials Engineering, Production & Industrial Engineering, and Computer Engineering**. The **highest package recorded was 11.38 LPA**, offered by **Reliance Industries Limited**, followed by **10 LPA offers from Modula and SurveySparrow**. Several reputed companies visited the campus including **Larsen & Toubro (L&T), JSW, ISGEC, Accenture, NBC Bearings, TAFE (Eicher Tractors), Thriveni Earthmovers, Raj Ceramics, Rockman Industries, Bharat Forge, Saarloha (Kalyani Group), Modula, Trinamix Systems, and Reliance Industries Limited**.

Students received offers in the salary range of **4 LPA to 11.38 LPA**, with many core engineering companies recruiting for roles in manufacturing, production, design, and technology. The placement drive included both *on-campus and off-campus opportunities*, reflecting strong industry engagement and the employability of graduates across core and technology sectors.

एनआइएमटी रांची

विद्यार्थियों को हाइएस्ट पैकेज 15 लाख रुपये

नेशनल इंस्टीट्यूट ऑफ एडवांस्ड मैनुफैक्चरिंग टेक्नोलॉजी (एनआइएमटी), रांची में सत्र 2025-26 में अब तक बीटेक के 75 प्रतिशत छात्र-छात्राओं का प्लेसमेंट हो चुका है. इसमें हाइएस्ट पैकेज 15 लाख रुपये सालाना और एवरेज पैकेज सात लाख रुपये सालाना प्राप्त हुआ है. प्लेसमेंट विभाग के अनुसार पिछले वर्ष की तुलना में इस बार अधिक कंपनियों प्लेसमेंट प्रक्रिया के लिए आई हैं और अभी कई कंपनियों का आना बाकी है. अब तक लगभग 45 कंपनियां प्लेसमेंट प्रक्रिया में भाग ले चुकी हैं. फाउंड्री, फोर्ज, स्टील, ऑटोमोबाइल और प्रोडक्शन जैसे क्षेत्रों में बेहतर प्लेसमेंट हुआ है. पिछले सत्र 2024-25 में संस्थान में 100 प्रतिशत प्लेसमेंट हुआ था, जिसमें हाइएस्ट पैकेज 15 लाख रुपये और एवरेज पैकेज सात लाख रुपये रहा था.





CLUBS & SOCIETIES



VEER AKASH VOLLEYBALL TOURNAMENT

15th - 16th November 2025

The **Veer Akash Volleyball Tournament** was organized by the **NIAMT Volleyball Club** on 15–16 November as a heartfelt tribute to late **Jalli Akash**, celebrating his passion for the sport and team spirit.

More than just a sporting event, the tournament stood as a tribute to the spirit, passion, and energy Akash brought to every match and every life he touched. Students—from juniors to seniors—came together in unity, reflecting the strong bond and camaraderie that defined him both on and off the court.



SAE INDUCTION

15th November 2025

The **NIAMT Students Racing Club** Induction Program for **first-year students (2025–2029)** was successfully held ,welcoming new members to **Team Thrusters**.

The **Society of Automotive Engineers India (SAE India)** student chapter at NIAMT offers a platform to innovate, collaborate, and grow. Here, engineering goes beyond textbooks—you gain hands-on experience by working on real vehicle projects, understanding system integration, and transforming ideas into functional prototypes.



CULTURAL EVENT



ARTISTA

Student Fostering Unit (SFU–Gymkhana)

20th November 2025

NIAMT RANCHI came alive on 20th November as *Artista 2025* lit up the campus with unforgettable energy and enthusiasm.

Students captivated the audience with powerful dance performances, soulful singing, and an electrifying band night that transformed the campus into a vibrant wave of music and excitement.



JHANKRITI

20th November 2025

Jhankriti 2025 was successfully celebrated at NIAMT Ranchi, featuring an engaging Debate Competition, an innovative 3D Designing showcase, and a dynamic Presentation Competition. The event featured a lively Debate Competition, an innovative 3D Designing showcase, and a dynamic Presentation Competition. Participants demonstrated remarkable confidence, creativity, and technical expertise, reflecting the institute’s strong culture of academic excellence and innovation.

The celebration stood as a proud moment for NIAMT, highlighting the talent, intellect, and collaborative spirit of its students.





UPCOMING EVENTS

◆ JINKS PRANAV '26



27TH - 29TH
MARCH 2026

This year promises bigger stages, louder cheers, and unforgettable moments. From intense technical showdowns to vibrant cultural performances, the festival will bring together talent, creativity, and competition like never before.

Get ready to witness the energy of NIAMT Got Talent, soulful melodies in Sargam (Singing Competition), electrifying moves in Thirkan (Dance Competition), and stunning creativity through Face Painting, Rangoli Making, T-Shirt Painting, Pot Painting, Finger Painting, and Paper Dress Making. The glamour of Paridhan (Fashion Show) and the power-packed performances in Drama, along with a range of exciting technical events, will make this celebration truly unforgettable.



ABOUT THE INSTITUTE

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प्रतिBimbh

The National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi, stands as a premier institution dedicated to excellence in manufacturing education, research, and industry-oriented training. Admissions to its undergraduate and postgraduate programs are conducted through JEE Main and CCMT, respectively. Spread across a lush 58-acre fully residential campus, the institute offers state-of-the-art academic infrastructure, well-equipped laboratories and workshops, library resources, hostels, healthcare, and recreational facilities. Supported by highly qualified faculty and experienced technical staff, NIAMT fosters a strong academic environment, complemented by merit-based scholarships and active industry engagement through its Industry Liaison Cell, ensuring excellent career opportunities for students in core manufacturing sectors.

NIAMT also emphasizes holistic development and innovation, with students actively participating in sports, cultural activities, technical competitions, and social initiatives like 'Kartavya'. The institute is advancing towards digital manufacturing through its Centre of Excellence in Industry 4.0, established in collaboration with STPI, and a Smart Manufacturing facility with CMTI Bangalore. It also promotes entrepreneurship and inclusive growth through its Technology Business Incubation Centre, focusing on startups and rural innovation. With strong alumni presence in leading industries and premier institutes like IITs, IISc, and IIMs, NIAMT continues its mission to evolve as a globally recognized hub of advanced manufacturing technology.

ABOUT PRATIBIMBH

Pratibimbh is the quarterly newsletter of NIAMT Ranchi showcasing different achievements and events of the students, by the students and for the students.



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**National Institute of Advanced
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www.niamt.ac.in

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newsletter@niamt.ac.in



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