



प्रतिBimbh

NIAMT RANCHI - QUATERLY NEWSLETTER

JULY - SEPTEMBER 2025



**Empowering Innovation,
Building Futures**

**1st
Edition**

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CHANCELLOR'S NOTE



Dear Readers, It is with great pride and enthusiasm that I share my message for the inaugural edition of our Institute's official newsletter.

This publication marks an important step in strengthening our communication channels and creating a shared space to celebrate the intellectual, cultural, and social vitality of our academic community.

As a technical institution, our mission goes beyond imparting knowledge—it is to foster innovation, nurture talent, and prepare our students to address the complex challenges of a rapidly changing world. This newsletter will serve as a window into our collective journey, highlighting the pioneering research, achievements, initiatives, and contributions of our faculty, staff, and students. I am confident that this platform connects us more closely with society, industry, and global partners, reinforcing our commitment to excellence and service.

I congratulate the editorial team for their dedication in bringing this first issue to life. I warmly encourage every member of NIAMT community to contribute actively so that this newsletter grows into a vibrant chronicle of our shared vision and progress.

With best wishes for the success of this endeavour,

A handwritten signature in blue ink, which appears to read 'Arun Kumar Jha'. The signature is fluid and cursive.

(Dr. Arun Kumar Jha)

Chancellor, NIAMT Ranchi

DIRECTOR'S NOTE



It gives me great pleasure to present the first edition of our Institute's newsletter. A newsletter is more than a record of events—

it reflects our collective energy, achievements, and aspirations. Through these pages, we capture the academic vibrancy, innovative research, cultural engagements, and community initiatives that shape the life of our Institute. In recent months, our faculty, staff, and students have continued to demonstrate remarkable dedication and creativity, whether in classrooms, laboratories, or outreach activities. Their commitment not only strengthens our academic profile but also ensures that we remain connected to society in meaningful ways.

As we look ahead, let us continue to nurture an environment that encourages curiosity, critical thinking, and collaboration. I invite all members of our Institute family to actively contribute to this newsletter so that it truly reflects the diversity of voices and experiences that make our community unique.

I extend my heartfelt appreciation to the editorial team for their efforts in compiling this edition. May this newsletter inspire us to strive for greater heights together.

With best wishes,

A handwritten signature in blue ink, consisting of a stylized 'S' followed by a checkmark-like flourish.

(Prof. Sukumar Mishra)

Director, NIAMT Ranchi

FORMER DIRECTOR'S NOTE

It is my proud privilege to write this message, for the inaugural edition of our institute's newsletter that aims to share our collective aspirations and achievements among our fraternity.



We are living in an era of rapid technological advancement, and the role of engineers has never been more critical. Engineers are the vanguard for paving the track of technological prosperity as a confluence of competitiveness, self-reliance, and sustainability. In this journey, we surmount the challenges and translate innovations to applications for triumph at the frontier of technology and a better tomorrow at the last mile.

Additionally, this newsletter will serve as a window into the vibrant life of our campus and success of our alumni particularly in building the foundation of manufacturing sector in India. It will also highlight the rich tapestry of our campus culture, from academic milestones to co-curricular activities and community outreach programs.

I extend my heartfelt gratitude to the editorial team, our dedicated faculty, our tireless staff, and our brilliant students for their contributions to this publication.

A handwritten signature in blue ink, which appears to read 'Partha Protim Chattopadhyay'. The signature is stylized with loops and a horizontal line across the middle.

(Prof. Partha Protim Chattopadhyay)

Former Director, NIAMT Ranchi

MESSAGE FROM EDITORIAL TEAM



It gives us great joy and immense pleasure to introduce Pratibimbh, the first edition of our institute's newsletter, showcasing the ideas, creativity, and achievements of our academic family.

This edition marks not just the beginning of a publication, but the birth of a platform where ideas take shape, voices find expression, and excellence finds recognition. Through Pratibimbh, we aim to capture the pulse of our institution — from scholarly pursuits and innovative projects to cultural vibrancy and social engagement. The newsletter is a testament to the dedication of our students, faculty, and staff who continuously strive to uphold the values of knowledge, creativity, and collaboration. It also reflects our shared belief that communication and reflection are at the heart of growth and progress. As we turn these pages, may Pratibimbh inspire each of us to think deeply, act meaningfully, and contribute positively to our institution and society. We look forward to making this newsletter a living document that evolves with our journey — celebrating milestones, nurturing talent, and echoing the true essence of our community.

MEMBERS

FACULTY

Dr. Khushboo	Chairperson
Dr. Jagesvar Verma	Member
Dr. Himanshu Khandelwal	Member
Dr. Vaishali Poddar	Member
Dr. Nilima Das	Member
Dr. Shalini Mahto	Member

STUDENTS

Mayank Verma	Member
Saatyapi Bhattacharya	Member
Trishna Verma	Member
Diksha Anand	Member

ACADEMIC HIGHLIGHTS

STUDENT INDUCTION PROGRAMME 2025

(29th August, 2025)

The Student Induction Programme in NIAMT was organized for the First Year B.Tech Student of 2025-29 Batch from 25-08-2025 to 31-08-2025. The Student Induction Programme was curated as per the AICTE guide which included programs such as physical activity, yoga, martial arts session, Universal Human Value lecture, Campus Tour, Art of Living Seminar, Literary activity among others academic programs and familiarization events. The program also included movie screening, Cultural program, sports competition and Local Area visit. The programme was attended by nearly 285 students who enrolled in the 4 branch of the First Year B.Tech Degree Programme. A special anti ragging session was also organized for the students for spreading awareness among the students regarding the Anti Ragging Measures undertaken by the Institute and for guiding the students regarding their approach in case of any such incidents. The academic module covered the B.Tech. regulations, credit & course structure and Examination marking system and rules across the Four year academic programme. The students utilized the opportunity to interact with the faculty from concerned department through the campus tour and the Department Familiarization Programme. Whereas, the cultural program, sports tournament and interaction session in the Hostels helped student interact with the fellow batch mates and senior students through various Student Fostering Unit Committees of the in the Institute. The students were given local tour of the Ranchi Science Center during the Induction Programme.

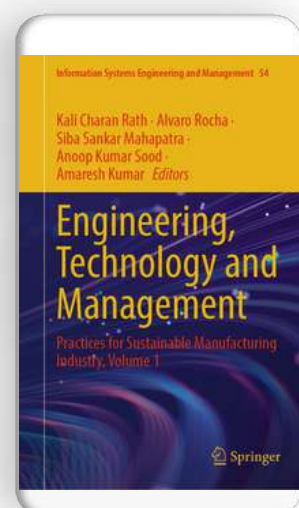
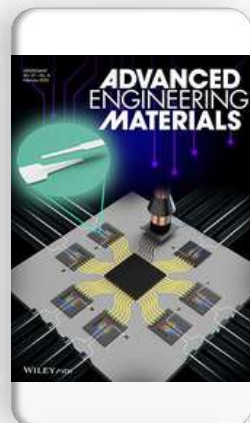


ACADEMIC CALENDER 2025-2026*(29th August, 2025)*

Date and Day	Academic Event
25/08/2025 (Monday) to 31/08/2025 (Sunday)	Student Induction Program
01/09/2025 (Monday)	Commencement of classes of First Semester
14/10/2025 (Tuesday) to 17/10/2025 (Friday)	Mid Sem Examination for First Semester
31/10/2025 (Friday)	Mid-Sem marks disclosure
17/11/2025 (Monday) to 20/11/2025 (Thursday)	Form Submission for First Semester Examination
26/11/2025 (Wednesday)	Publication of attendance defaulter list
01/12/2025 (Monday) to 04/12/2025 (Thursday)	Practical/Lab Exam and Sessional Submission for First Semester
05/12/2025 (Friday) to 20/12/2025 (Saturday)	First/End Semester Examination
21/12/2025 (Sunday)	Commencement of Winter Vacation
22/12/2025 (Monday) to 31/12/2025 (Wednesday)	Winter Vacation

RESEARCH & INNOVATION

Notable Research Publications



Department of Mechanical Engineering

Sl. No.	Author's name	Title of the Book / Paper	Name of the Journal	Role of the faculty	Publication details	Indexed In (Scopus/WoS/UGC)
1	Prof. A. K. Sood	Engineering, Technology and Management Practices for Sustainable Manufacturing Industry, Volume 1	NA	Editor	Springer Cham	NA
2	Prof. Jagesvar Verma	Effect of Aluminum Addition on Microstructure, Mechanical Properties, and Wear Behavior of MoNbTiV Refractory High-Entropy Alloys.	Advanced Engineering Materials	Co-Author	Wiley	Scopus

Dept of Applied Science and Humanities

Sl. No.	Author's name	Title of the Paper	Name of the Journal	Role of the faculty	Publication details	Indexed In (Scopus/WoS/UGC)
1	Prof. Abhilash T. Nair	Urban air quality modeling and health impact analysis using geospatial methods and machine learning algorithms	Asia-Pacific Journal of Regional Science	Co-Author	Springer Cham	WoS

Department of Electronics and Computer Engineering

Sl. No.	Author's name	Title of the Paper	Name of the Journal	Role of the faculty	Publication details	Indexed In (Scopus/ WoS/UGC)
1	Dr. Rahul Mishra	Sustainable Development Goals and Global Partnership: Current Status and Challenges in Implementation	United Nations Sustainable Development Goals to Strategic Vision to Accomplishment	Author	Disha International Publishing House, New Delhi, ISBN: 9789348084606	UGC

Details of Funded Projects

Sl. No.	Title of Project	Sponsoring Agency	Period		Duration in Years	Project Sanctioned Amount in INR	Status (Completed / Ongoing)	PI / Co - PI
			From	To				
1	SMART DEPRESSION MONITORING SYSTEM	Ministry of Micro, Small & Medium Enterprises(MSME) Innovative Scheme, Government of India	2022	2025	3years	15Lakhs	Ongoing	PI: Dr Shalini Mahato
2	Development of Composite Materials with low flammability based on epoxy resins and nanoscale organic-inorganic hardeners	DST – RSF	Feb 2023	Jan 2026	3years	91,47,964	Ongoing	Co - PI

Patent filings

Sl. No.	Name of the Faculty & Department	Title	Registration Details	Registration Date
1	Dr Madhu Kumari, ECE	Thermal Management System of Li-ion Battery	Design no: 460159001	27/05/25

Lab upgrades

Sl. No.	Name of the Faculty & Department	Equipment name/ software(s)	Model	Specification
1	Dr. Ravinder Pal Singh, ECE	Digital Light Processing (DLP) 3D printer	Photon Mono M7, Anycubic	Polymer 3D printing, Minimum resolution, 100 microns, Maximum Build up size: 200 X 150 X 100 (in mm)
2	Dr. Ravinder Pal Singh, ECE	Fused Deposition Modelling Single extruder (FDM) 3D printer	Creality, 300pro	Polymer 3D printing, Minimum resolution, 100 microns, Maximum Build up size: 250 X 250 X 250 (in mm)
3.	Dr. Ravinder Pal Singh, ECE	Fused Deposition Modelling Double extruder (FDM) 3D printer	Snap Maker, 3Idea	Polymer 3D printing, Minimum resolution, 50 microns, Maximum Build up size: 300 X 250 X 250 (in mm)
4	Dr. Ravinder Pal Singh, ECE	Stereolithography (SLA) 3D printer	Form3B+, Form Lab	Laser based Polymer 3D printing, Minimum resolution, 20 microns, Maximum Build up size: 150 X 150 X 150 (in mm)
5	Dr. Vikash Kumar Gupta ECE	PLC based Trainer kit		
6	Dr. Vikash Kumar Gupta ECE	Smart EV-BMS platform		

STUDENT ACHIEVEMENT

Jan Johansen DISAMATIC Scholarship

(25th July 2025)

Ten third-year B.Tech students earned this prestigious scholarship for excellence in foundry and manufacturing technologies.



SUPRA SAE 2025

(13th-16th August 2025)

The NIAMT racing team showcased engineering innovation and teamwork by designing and fabricating a race car for this national competition.



FACULTY CORNER

Conference/ Seminar/ Webinar

Name of Faculty	Department	Conference Name	Organizer	Role (Speaker/ Chair/etc.)	Title of Talk (if any)
August 22 – 23					
Dr. Subhankar Basu	Environmental Engineering	Microplastics: Occurrence, Repercussions, & Mitigation	ICMR – NIREH, Bhopal	Participant	<i>A study of the microplastics fate in the wastewater treatment plants: Pathways, Removal efficacy, and Environmental Implications</i>
September 18 – 19					
Dr. Khushboo	Applied Sciences & Humanities	Research Frontiers & Opportunities in Indian Knowledge System	University of Ladakh in collaboration with IKS Centre of Excellence, IIT, Varanasi	Participant	<i>Songs of the Sun; Exploring the Oral Tradition of Chhath Mahaparva through the Theoretical Lens</i>

FDP / Workshop / Short-Term Course

Name of Faculty	Department	Event Type	Title of Event	Organiser	Mode
July 9 – 22					
Dr. Subhankar Basu	Environmental Engineering	FDP	Mathematics and Machine Learning for Engineering Problems" (MMLEP 2025)	GLA University, Mathura & SLIET, Longawal	Online
September 22 – 27					
Dr. Sumbul Rahman	Applied Sciences & Humanities	FDP	CAE using NX Software	NIAMT	Offline

Name of Faculty	Department	Event Type	Title of Event	Organiser	Mode
June 30 – July 7					
Dr.Khushboo	Applied Sciences & Humanities	FDP	Transcultural Voices: Gender, Language & Migration in Comparative Literature	Dr. MGR Janaki College of Arts & Science for Women	Online
July 18 – 31					
Dr.Khushboo	Applied Sciences & Humanities	Refresher Course	English Literature & Modern European Languages	MMTTC, University of Lucknow	Online
Aug 25 – Sept 2					
Dr.Khushboo	Applied Sciences & Humanities	FDP	DH 360 Degree: Tools, Theories & Application in Digital Humanities	Faculty of Science & Humanities, SRMIST, KTR	Online
July 28 – August 8					
Dr.Nilima Das	Applied Sciences & Humanities	FDP	Data Insights Unlocked: FDP on Research Methodology in Data Mining & Analysis	NSHM College of Management and Technology, Kolkata	Offline
September 22 – 27					
Dr.Nilima Das	Applied Sciences & Humanities	FDP	CAE using NX Software	NIAMT	Offline
July 21 – 26					
Dr.Vandana	Applied Sciences & Humanities	FDP	Emerging Trends for Digital Business Transformations	BIT Mesra (Lalpur Unit)	Offline
September 22 – 27					
Dr.Vandana	Applied Sciences & Humanities	FDP	CAE using NX Software	NIAMT	Offline

Name of Faculty	Department	Event Type	Title of Event	Organiser	Mode
July 7 - 11					
Dr. Madhu Kumari	ECE	FDP	Mathematics and Machine Learning for Engineering Problems"(MMLEP 2025)	GLA University, Mathura & SLIET, Longawal	Online
July 21 onwards					
Mr. Abhishek Bakhla	ECE	FDP	Programming, Data Structures and Algorithms using Python	NPTEL/ SWAYAM	MOOCs on SWAYAM
July 28 - 22 August					
Mr. Abhishek Bakhla	ECE	Industrial Training	Python Programming	NIELIT	Online
September 22 - 26					
Mr. Abhishek Bakhla	ECE	Regular Training/ Workshop	Cyber Security Awareness Programme	NIELIT	Online
August 6 - 8					
Dr. Vikash Kumar Gupta	ECE	Webinar	AI Applications for Intelligent Control, Monitoring of Industry Equipment and Protection of Renewable Integrated Power Systems	IIT(ISM) Dhanbad	Online

ORGANISED

Title of Event	Type (FDP/STC/Workshop)	Coordinator(s)	Mode	Target Audience	No. of Participants	Speakers/Topics Covered
September 22 - 27						
CAE using NX software	FDP	Dr. A.K Sood (Chairman) Dr. Ravinder Pal Singh (Convenor)	Offline	Faculty and research scholar	30	CMTI Bangalore

Events & Workshop @ NIAMT

Jinks Pranav 2025 Prize Ceremony

(15th August 2025)

NIAMT's annual fest concluded with awards for outstanding cultural and technical performances, highlighting creativity and teamwork.

Anti – Ragging Week

(18th August 2025)

Essay contests, street plays, and quizzes promoted a safe, respectful campus culture.

Student Induction Programme for 2025 Batch

(25th August 2025)

Essay contests, street plays, and quizzes promoted a safe, respectful campus culture.

Session on Solar Energy Utilization

(27th August 2025)

Prof. Rodrigo Palma-Behnke (Senior Member, IEEE) from Chile shared insights on solar cars, battery technology, and advanced sun-tracking systems for 100 % solar utilization.

National Sports Day (29th August 2025)

A day of spirited games honored hockey legend Major Dhyan Chand and encouraged fitness and teamwork.





GDG DevSpark : Career in Cloud

(30th August 2025)

A hands-on session introduced students to cloud computing trends, required skills, and emerging career paths.

Engineer's Day

(15th September 2025)

The institute honored Sir M. Visvesvaraya, focusing on deep-tech innovations that drive India's technological progress.

Engineer's Day Celebration by Students

(17th September 2025)

Hindi Pakhwada 2025

(16th - 30th
September 2025)

हिंदी पखवाड़ा 2025 का आयोजन बड़े उत्साह और जोश के साथ किया गया। यह कार्यक्रम 16 सितंबर से 30 सितंबर 2025 तक आयोजित किया गया। इस अवधि में हिंदी नारा लेखन प्रतियोगिता का आयोजन 25 सितंबर को किया गया, जिसमें छात्रों और कर्मचारियों ने बढ़-चढ़कर भाग लिया। विजेताओं को 30 सितंबर को आयोजित समापन समारोह में पुरस्कृत किया गया।

Swachhata Hi Seva

(17th September 2025)

Students and faculty joined hands for a campus-wide cleanliness drive, promoting hygiene and sustainable living.

East Tech Symposium 2025

(20th September 2025)

Students explored cutting-edge defence technologies and research, gaining exposure to innovations and future career opportunities.

ALUMNI CONNECT

(18th July 2025)



REUNION OF THE 1996 – 2000

Organised by the NIAMT Alumni Association, Anusmriti Sangam 2025 marked the **Silver Jubilee Celebration**, Reunion of the 1996–2000 batch. The event brought together alumni, retired professors, and students for a memorable celebration filled with shared stories, heartfelt tributes, and a special session on entrepreneurship and mentorship. The reunion served as a bridge between generations, where alumni offered valuable insights, motivated students, and expressed their gratitude to mentors who shaped their journeys.



Batch of 2000 | **25** years of togetherness



PLACEMENT UPDATES



Top recruiters such as Modula, Now Purchase, and MagmaSoft offered internships and PPOs across technical and managerial roles. Ayush Mishra received a PPO from Modula, while Saket earned one from Now Purchase for their outstanding internship performances.



GATE 2025



Success Stories

01

Mr. Rahul Raj Anand, (B.Tech -MME - 2023),
AIR-27 GATE 23' MT, Scientific Officer at BARC

02

Mr. Suryanshu Singh, (B.Tech - MME - 2023),
AIR-3 GATE 23' MT, GET at NALCO,

03

Mr. Suraj Kumar Yadav, (B.Tech - MME - 2023),
AIR-10 GATE 23' MT, AIR-17 GATE 25' MT, GET at NALCO,

04

Mr. Swarup Kongar, (B.Tech - MME - 2024),
AIR-23 GATE 23' MT, GET at IOCL

05

Mr. Aditya Roy, (B.Tech - MME -2024),
AIR-35 GATE 24' MT, Grade A Officer at IOCL

Congratulations

GATE MT- 2025 Champions

01

Ayushi Priya, (B.Tech - MME - 2021-2025), **AIR-231**

02

Suraj Kumar Yadav, (B.Tech - MME - 2019-2023), **AIR-17**

03

Nitish Kumar Singh, (B.Tech - MME - 2019-2023), **AIR-13**

04

Riya Mondal, (B.Tech - MME - 2021-2025), **AIR-82**

05

Sabyasachi Mandal, (B.Tech - MME - 2022-2026), **AIR-143**

CULTURAL EVENTS

Janmastami

(16th August,2025)

Niamt College celebrated Vishwakarma Puja with devotion, seeking blessings of the divine architect for knowledge, skill, and innovation.



Ganesh Puja

(27th August,2025)

Ganesh Puja was celebrated at Niamt with devotion and joy, seeking blessings of Lord Ganesha for wisdom and prosperity.

Vishwakarma Puja

(17th September ,2025)

Niamt College celebrated Vishwakarma Puja with devotion, seeking blessings of the divine architect for knowledge, skill, and innovation.



Clubs & Societies

Kartavya Induction

(12th August 2025)

The Mission Kartavya Foundation welcomed the 2024–2028 batch, inspiring fresh ideas for social impact.



(6th September 2025)

NIAMTAA Induction

New student members joined the alumni association, opening doors to mentorship and professional networking.



Independence Day

(15th August, 2025)

On the occasion of the 79th Independence Day, NIAMT Ranchi celebrated the spirit of freedom with great pride and patriotism. The institute joined the nation in commemorating India's glorious journey of independence and progress, reflecting on the sacrifices and achievements that have shaped the country's identity.

The celebration was graced by the presence of Hon'ble Chancellor Shri Arun Kumar Jha, who delivered an inspiring address emphasizing unity, progress, and the shared responsibility of every citizen in nation-building. His words encouraged everyone to contribute towards a stronger and more prosperous India, reaffirming the collective commitment to work for the nation's bright and progressive future.



NEWS & **ANNOUNCEMENTS**

1. International Conference – rTime 2025

(7th Aug,2025)

Join the International Conference on “Recent Trends in Intelligent Computing, Manufacturing and Electronics” from Dec 5–7, 2025, organized by the Dept. of ECE, NIAMT, Ranchi.

2. Hands-On Workshop on CATIA & Simufact

(16th Sept,2025)

A Five-Day Workshop on “CATIA, Simufact Welding & Forming Simulation” will be held from Oct 6–10, 2025, organized by the Dept. of Mechanical Engineering, NIAMT.



About NIAMT (formerly NIFFT)

NIAMT is committed to exert its all-out endeavour to adapt, develop and disseminate the technological, translational and transformational competence with an aim to emerge as a globally visible knowledge hub in Advanced Manufacturing technology.



 <https://niamt.ac.in>

About Pratibimbh

Pratibimbh: Quarterly Newsletter of NIAMT has an important role to play in sharing information and helping students, faculty members and staff feel motivated and engaged. It helps in building an inclusive professional environment and channelise the important conversations in the workplace. It also breaks down from information silos and further promotes innovation and collaboration.

For Suggestions and Queries

 Mail us at : newsletter@niamt.ac.in

THANK YOU



Follow us on Social Media
[@niamt.ranchi](https://www.instagram.com/niamt.ranchi)