

Industry, Academia and Research Conclave 2025 13th - 14th November 2025



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

Organizes
A Research Conclave
On
Catalyzing Change- Research for a Sustainable Future,
Engineering, Science & Technological Development and
Innovations for Societal Benefits and Sustainability (CCRSF -2025)

Call for Papers

Paper Submission

Starts: 1st September 2025

Deadline: 1st October 2025

Acceptance: 15th October

Final submission: 30th October

Registration Charges

NIT Meghalaya : **NIL**

Others : **INR 2000/-**



REGISTRATION LINK



ABOUT CONCLAVE

Conclave Venue

National Institute of
Technology Meghalaya,
Sohra, Meghalaya-793108

Contact Us



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About

The Research cum Industry Conclave 2025 at NIT Meghalaya is an ambitious initiative to connect researchers, industries, start-ups, MSMEs, and academic institutions on a common platform. With over 250 internal research scholars, participation from external scholars, and around 100 industry players, this conclave aims to catalyze innovation, enhance employability, and address societal challenges.

Sub-themes include, but are not limited to:

1 Sustainable Engineering and Green Infrastructure

- Green construction materials and sustainable design
- Smart transportation and traffic management systems
- Water resource management and rainwater harvesting
- Waste management in construction and demolition (C&D)
- Robotics, Mechatronics, Control system.

3 Life Sciences, Biomedical, and Pharmaceutical Innovations

- Biomedical Imaging
- Medical Image Analysis
- Thermal Analysis in Biological Systems
- Protein Chemistry
- Solid-State Forms of Pharmaceuticals
- Smart Materials for Healthcare
- Biophysics Applications.

5 Sustainable Energy, Power, and Infrastructure Systems

- Sustainable Energy and Power Systems
- Renewable and Alternative Fuels
- Industrial and Composite Materials
- Fluid Dynamics & Turbulence Modeling
- Smart Grids and Wind Energy
- Resilient Infrastructure including Earthquake Engineering, Geotechnical Solutions, and Sustainable Construction & Waste Management

2

Intelligent and Secure Computing

- Digital Signal Processing & Communication
- AI & Machine Learning
- Cloud & High-Performance Computing
- IoT & Smart Systems
- Cybersecurity & Blockchain
- Computer Vision & Image Processing
- VLSI & Embedded Systems
- Robotics & Control Systems

4

Advanced Materials and Fundamental Sciences

- Nanomaterials & Quantum Dots
- Smart & Energy-Harvesting Materials
- Semiconductor & Q-bit Devices
- Applied Optics & Photonics
- Astroparticle Physics
- Particle Physics
- Liquid Crystals
- Magnetism & Dielectric Properties,
- Non-Equilibrium Statistical Mechanics

6

AI/ML & Future Trends

- AI/ML in Engineering research
- AI/ML in data analysis
- AI/ML in Scientific research
- AI/ML in Humanities & Social Sciences



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<https://www.nitm.ac.in/p/how-to-reach-nit-meghalaya-2>