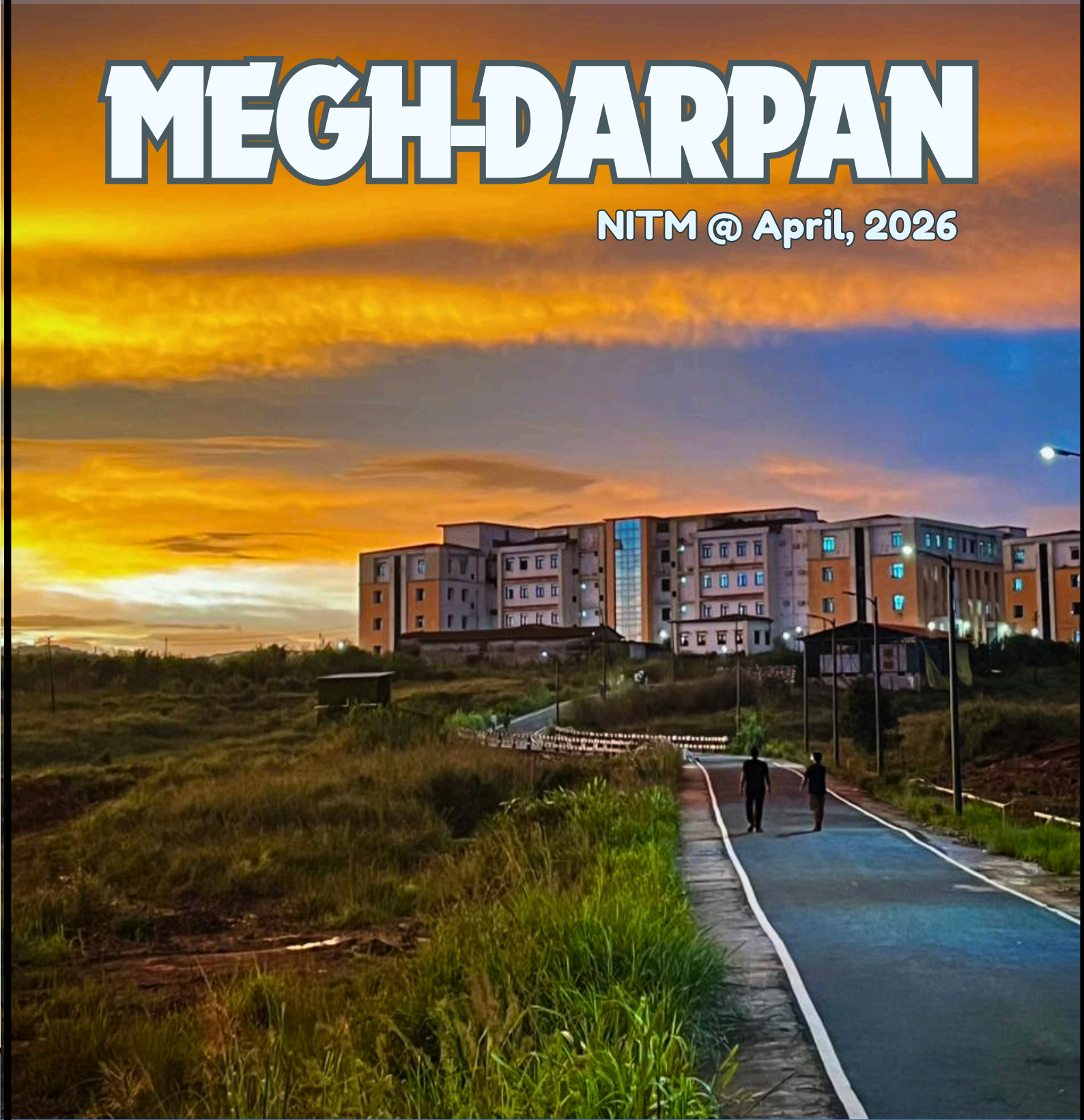




NIT MEGHALAYA

MEGH-DARPAN

NITM @ April, 2026



NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA,
SAITSOHPEN, SOHRA,
EAST KHASI HILLS DISTRICT-793108, MEGHALAYA, INDIA



NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

(AN INSTITUTE OF NATIONAL IMPORTANCE)

Megh-Darpan

INSTITUTE MAGAZINE

NIT MEGHALAYA

SIXTH Edition

APRIL, 2026

OBITUARIES



REST IN PEACE

In Loving Memory

Mr. Vivek Chamlagain



Joining Date: 2019 (as M.Sc. Chemistry student); Autumn 2023 (as Ph.D. Chemistry Scholar)

Date of Passing: September 25, 2025

Cause of Death: Road Accident

Academic Profile at National Institute of Technology Meghalaya:

Vivek Chamlagain was a dedicated and bright scholar in the Department of Chemical and Biological Sciences. He began his academic journey at the institute as an M.Sc. student in 2019 and later joined as a Ph.D. research scholar from Autumn 2023. His research focused on the advanced topic of anion exchange membranes for fuel cell and synthesizing electrode materials for supercapacitor applications, contributing to the growing field of sustainable energy technologies. Throughout his academic career, he demonstrated exceptional merit and commitment to excellence. He successfully qualified prestigious national-level examinations such as IIT-JAM 2019 and GATE 2023, reflecting his strong academic foundation and determination.

Academic and Co-curricular Contributions:

He was engaged in cutting-edge research on anion exchange membranes, aiming to enhance fuel cell efficiency and sustainability and preparing carbon materials for energy storage applications. Actively participated in academic conferences including RAC-2019 and STCC-2021, both held at NIT Meghalaya, where he contributed to scholarly discussions and knowledge exchange.

He was known for his energetic and jolly personality, he maintained a keen interest in sports, promoting physical fitness and a balanced lifestyle alongside his academic pursuits.

His untimely passing was deeply mourned by the faculty, staff, and fellow students. A condolence meeting was held on September 26, 2025, to honor his academic journey, contributions, and the positive spirit he brought to the institute community.

Remembering with love and gratitude



Mr. Banteiborlang Syiemlieh

Joining Date at Institute: June 20, 2014

Date of Passing: December 5, 2025

Cause of Death: Cardiac arrest

Work Profile at NIT Meghalaya:

He served as a Lab Attendant in the Mechanical Engineering Department. Having joined in 2014, he was part of the institute during its significant growth phase. His role was vital to the daily operations of the department, where he:

Managed Technical Labs:

Oversaw the preparation and upkeep of specialized mechanical laboratories, including tools and machinery used for undergraduate research and practicals.

Student Support:

Provided hands-on assistance to students during laboratory exercises, ensuring that safety protocols were strictly followed in high-risk environments like the workshop.

Inventory Control:

Maintained meticulous records of departmental equipment and assisted in the procurement of consumables required for mechanical projects.

His passing was deeply felt by the faculty and students of the department, who held a condolence meeting on December 9, 2025, to honor his decade of service to the institute.

A Celebration of Achievement: 12th Annual Convocation of NIT Meghalaya



Glimpse of the ceremony

The 12th annual convocation of the National Institute of Technology, Meghalaya, was held at the Convocation Hall, Sohra campus, on October 31, 2025, at 11 am. The opulent event was graced by the Chief Guest, Shri. Shrikant M. Vaidya, Former Chairman of Indian Oil Corporation Ltd, Prof. Dharendra Nath Buragohain, Founder Director and Emeritus Professor of IIT Guwahati, as the Guest of Honour, and Director and Chairman of the Senate, NIT Meghalaya, Prof. Pinakeswar Mahanta.

The Convocation began with a grand academic procession, after which the event was declared open by Shri. Sunil Alagh, Chairperson, Board of Governors, in his inaugural speech. Addressing the audience, Prof. Buragohain Guest of Honour, echoed the importance of self-belief, self-discipline, perseverance and grit as the graduates enter the workforce, urging them to step into roles of leadership and not remain mere followers of the West. Following him, the Chief Guest, whose career shaped the nation's petrochemical refining infrastructure,



Director of NIT Meghalaya addressing the gathering

emphasised ownership and the willingness to take charge as the determining element of his successful career, urging the graduates to be reliable leaders with an attitude to learn and adhere to the highest standards of integrity in their professional lives.

A total of 250 proud students were awarded their degrees. 38 graduates from Civil Engineering, 56 from Computer Science Engineering, Electronic & Communication Engineering accounted for 45 graduates, Electrical and Electronics Engineering had 35 graduates, and Mechanical Engineering reported 32 graduates. Chemistry had 18 graduates, Mathematics awarded 10, and Physics accounted for 15 graduates, while Humanities and Social Sciences recorded 1.

In total, 153 students received the Bachelor of Technology (B. Tech) degree. The Master of Technology (M. Tech) degree was awarded to 24 students, while 36 students received the Master of Science (M. Sc) degree and the Doctor of Philosophy (Ph.D.) degree was conferred upon 37 students.

The 12th Annual Convocation 2025 also recognised outstanding academic achievement through the conferment of prestigious medals across various categories.

The President's Gold Medal was awarded to Parthiv Das from Computer Science & Engineering (2021-2025).

The Chairperson's Gold Medal was conferred upon Shubhavi Kukrejai, also from Computer Science & Engineering (2021-2025).

PRESIDENT'S GOLD MEDAL



PARTHIV DAS
B21CS002
COMPUTER SCIENCE & ENGINEERING
2021-2025

CHAIRPERSON'S GOLD MEDAL



SHUBHAVI KUKREJAI
B21CS018
COMPUTER SCIENCE & ENGINEERING
2021-2025

Institute Gold Medals in Master of Technology were awarded to Yash Raj Gupta (2021-2025) and Sayantan Bose (2023-2025) from Computer Science & Engineering, and Shreya Ramolta (2023-2025) from Physics.

INSTITUTE GOLD MEDALISTS



YASH RAJ GUPTA
B21CS034
COMPUTER SCIENCE & ENGINEERING
2021-2025



SAYANTAN BOSE
T23CS002
COMPUTER SCIENCE & ENGINEERING
2023-2025



SHREYA RAMOLTA
S23PH001
PHYSICS
2023-2025

The Institute Silver Medalists in the Bachelor of Technology programme were Manish Kumar Bishnoi from Civil Engineering (2021–2025), Ediga Ajay Goud from Electronics & Communication Engineering (2021–2025),

Bavani Sankar S from Electrical Engineering (2021–2025), Sourabh Paul from Mechanical Engineering (2021–2025), and Yash Raj Gupta from Computer Science Engineering (2021–2025).

INSTITUTE SILVER MEDALISTS

BACHELOR OF TECHNOLOGY



MANISH KUMAR BISHNOI

B21CE013
CIVIL ENGINEERING
2021-2025



EDIGA AJAY GOUD

B21EC010
ELECTRONICS & COMMUNICATION ENGINEERING
2021-2025



BAVANI SANKAR S

B21EE019
ELECTRICAL ENGINEERING
2021-2025



SOURABH PAUL

B21ME013
MECHANICAL ENGINEERING
2021-2025



YASH RAJ GUPTA

B21CS034
COMPUTER SCIENCE & ENGINEERING
2021-2025

In the Master of Technology programme, Silver Medals were awarded to Prateek Ghosh from Civil Engineering (2023–2025) and Sayantan Bose from Computer Science Engineering (2023–2025) along with silver medallists for Master of Science programme

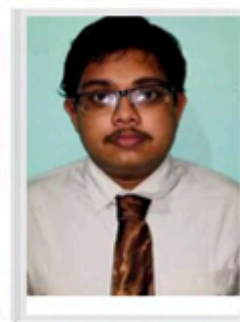
namely Aditi Aggarwal from Chemical & Biological Sciences (2023–2025), Souvik Bhattacharya from Mathematics (2023–2025), and Shreya Ramolta from Physics (2023–2025).

MASTER OF TECHNOLOGY



PRATEEK GHOSH

T23CE006
CIVIL ENGINEERING
2023-2025



SAYANTAN BOSE

T23CS002
COMPUTER SCIENCE & ENGINEERING
2023-2025

MASTER OF SCIENCE



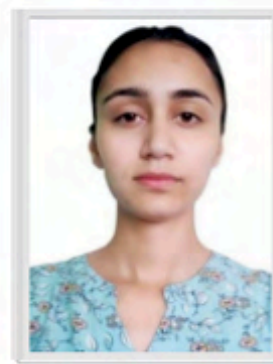
ADITI AGGARWAL

S23CY004
CHEMICAL & BIOLOGICAL SCIENCES
2023-2025



SOUVIK BHATTACHARYA

S23MA007
MATHEMATICS
2023-2025



SHREYA RAMOLTA

S23PH001
PHYSICS
2023-2025

Central Academic Audit 2026



Director of NIT Meghalaya interacting with the committee



Glimpse of the session

The central academic audit of NIT Meghalaya was conducted on 30th March 2026. The audit evaluation was based on the institutional self-study report, departmental academic audit reports, interactions with stakeholders (Faculty/Students), and visits to laboratories, classrooms, and facilities. The audit committee was chaired by Prof. Amitabha Ghosh (INSA Honorary Scientist, IEST, Shibpur) with eminent experts, Dr. S P Aggarwal (Director, NESAC, Umiam), Dr. Virendra M. Tiwari(Director and JC Bose National Fellow, CSIR-NEIST, Jorhat), Prof. Usha Natesan (Director NITTR, Chennai), Prof. Sharmila Mande (Chief Scientist TCS Research & Innovation),

Prof. Uday S. Dixit (IIT Guwahati), Prof. L. N. Mishra (MNNIT Allahabad) and Prof. B. K. Nanda (NIT Rourkela) from the country. The expert evaluation committee opined that NIT Meghalaya is performing exceptionally well. Prior to the central academic audit, department-level (5 engineering branches, 3 basic sciences, and 1 humanities) academic audit was conducted from 15th-23rd March 2026 with 16 experts from Technische Universität Chemnitz (Germany), IITs, NITs, Central Universities, Power Grid, Department of Telecommunication, and CSIR-NAL for key observations and comments with scope of improvement across the various departments.



Committee members and faculties of NIT Meghalaya

SSCIE- Striving ahead fulfilling dreams -

The second batch of GDA (General Duty Assistants) conducted by the Sitimon Sawian Centre for Inclusive Education

The second batch of GDA (General Duty Assistants) conducted by the Sitimon Sawian Centre for Inclusive Education at NIT Meghalaya started on the 2nd of February 2026. GDA is NSDC certified training program for six months, after completion of which the candidates get placement in the hospitals and nursing homes. They are the allied health service workers who form the base of the medical pyramid. The first batch of 22 students completed their course in January 2026 and many got placed in renowned hospitals in

Mumbai, Hyderabad and Bangalore in addition to hospitals in the Northeastern region.

The second batch has 23 students, and all of them are girls. Of the 23 students, 13 are staying in the hostels of NIT Meghalaya. Students from Shillong, Mairang and Ri-Bhoi areas have travelled to Sohra and are residing there to undergo the course. The work carried out by this centre has been well appreciated by seniors professionals in this field in the recently concluded Annual Conference of School for Skills: Allied Health Sciences held at Kolkata on 10-11 April 2026.

The Sitimon Sawian Centre for Inclusive Education will soon be expanding its cohort of courses, including computer programming for the visually impaired persons, coaching for JEE/NEET for the local aspirants of the region and advanced courses like Operation Theatre Technician and Dialysis technician.

The centre is growing, slowly and firmly, to fulfil the aspirations of the region. Anyone willing to volunteer for any of the activities of the centre or needing any information can write a mail to sscie@nitm.ac.in



Students of the second batch of GDA program interacting with Dr. Satadal Saha (MS, FRCS) and Prof P Mahanta, Director NIT Meghalaya

Vigilance Awareness Week 2025



Inauguration of the Awareness Week

Shri Pramod Kumar Manjhi-CBI Head of Branch, Shillong, Director, Registrar, Faculty, Staff and Students of NIT Meghalaya have attended the event and deliberated the necessity of vigilance awareness towards enhancement of integrity and transparency.

Total Attendance: 72 [Male: 57; Female: 15]

Events

In coordination with CVO office and various clubs such literary club, photography and fine arts clubs, the following events are



Felicitation of guests



Glimpse of the session

organized in the campus to celebrate the Vigilance Awareness Week 2025 with the theme – Vigilance: Our Shared Responsibility.

Literary Club has organized the debate, quiz and easy writing competitions among students, staff and faculty.

Photography and Fine Arts Club has organized the poster painting competition among students, staff and faculty.

The students of NIT Meghalaya have showcased the Vigilance Awareness through Street Play in the campus.

In view of above events, the best performances shown by participants were felicitated.



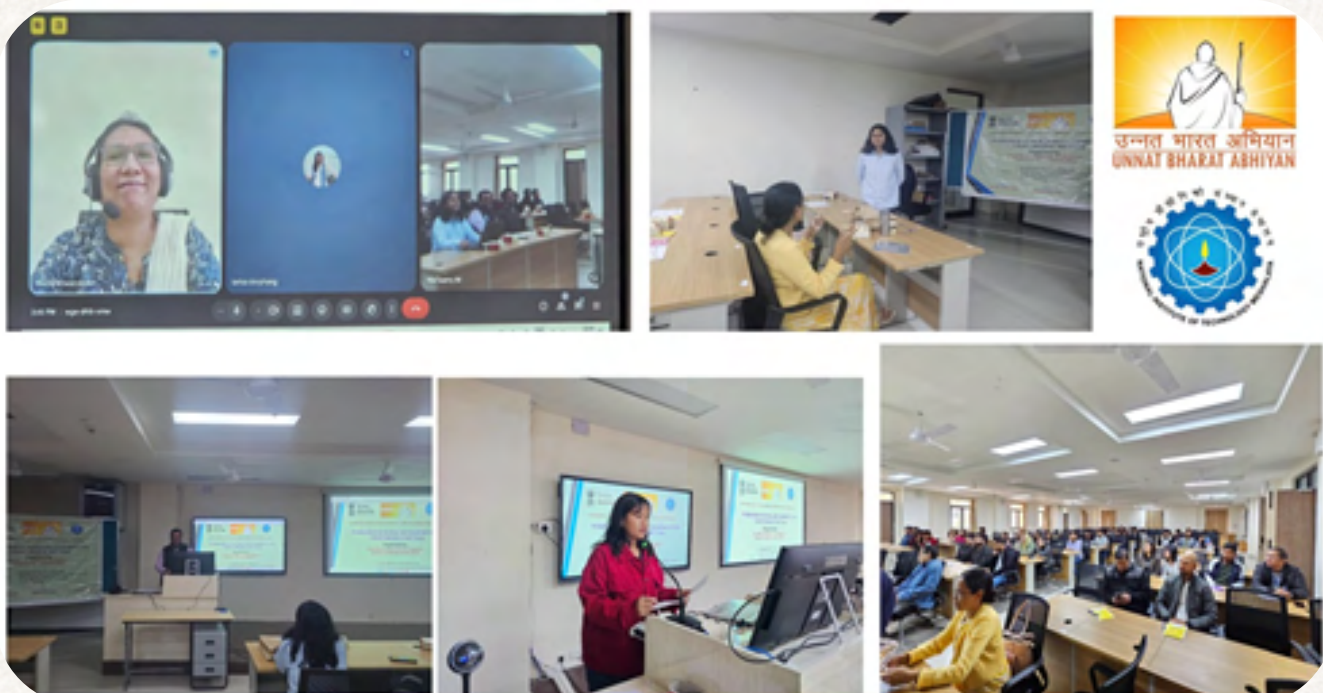
Guests of the event addressing the gathering

Unnat Bharat Abhiyan Cell

Workshop on Rural Development and Viksit Bharat 2047 Vision conducted on 11th November 2025



Marking the Foundation Day of Unnat Bharat Abhiyan on 11th November 2025, the institute hosted a Workshop on Rural Development and Viksit Bharat 2047 Vision. The event brought together representatives from adopted villages, participating institutes, and students, creating a platform for meaningful dialogue on inclusive growth and long-term rural transformation aligned with the national vision. The workshop was enriched by insightful talks delivered by Dr. Jenita Mary Nongkynrih, Dr. Meena Khwairakpam, and Dr. Susmita Sharma, who shared their expertise and perspectives on sustainable rural development.



Healthcare Camp for the Cleaning Staff Members conducted on 25th February 2026



Demonstrating its commitment to social responsibility, the UBA Cell organized a Healthcare Camp on 25th February 2026 for the institute's cleaning staff members, in partnership with the institute's medical center. The camp focused on preventive healthcare and medical check-ups, ensuring the well-being of those who contribute significantly to the institution's daily functioning.

Workshop on Sustainable Eco-Tourism and Vermicomposting Practices conducted on 11th March 2026



On 11th March 2026, the UBA Cell organized a day-long Orientation Workshop on Sustainable Eco-Tourism and Vermicomposting for adopted villages, students, and participating institutes, under the Regional Coordinating Institute (RCI). The initiative highlighted the importance of environmental conservation. The workshop featured valuable contributions from Dr. G. C. Dhal of National Institute of Technology Meghalaya, representatives from Bethany Society, Dr. Meena Khwairakpam of Indian Institute of Technology Guwahati, who shared insights on sustainable vermicomposting practices, and Dr. Benjamin F. Lyngdoh of North-Eastern Hill University, who delivered an expert talk on eco-tourism.

Tobacco-Free Campaign

Date: 18.November.2025

Time: 3:00 PM onwards

Venue: Seminar hall (Block-D) NIT Meghalaya Campus

Total no. of participants: 120

Organised by: Counselling Centre, NIT Meghalaya in Collaboration with the Students' Activity Centre (SAC)

Introduction

The Counselling Centre of the National Institute of Technology Meghalaya, in collaboration with the Students' Activity Centre (SAC), organised a Tobacco-Free Awareness Programme aimed at educating students about the dangers of tobacco use and promoting a healthier, substance-free campus environment. The event witnessed enthusiastic participation from students and highlighted NIT Meghalaya's ongoing commitment toward student well-being and public health consciousness.

Inaugural Session and Awareness Lecture

The programme commenced at 3:00 PM with an insightful awareness lecture delivered by Miss Bashisha Marwein, an esteemed resource person and a remarkable professional whose dedication to public health is widely recognised.

During her session, Miss Marwein delivered a comprehensive lecture on tobacco, its types, its harmful effects on physical and mental health, addiction patterns, and the long-term socio-economic burden caused by tobacco use. Her clear explanations, relatable examples, and evidence-based insights made the session deeply engaging and informative for all attendees.

Campus Rally

Following the lecture, students participated in a tobacco-awareness rally inside the campus. Carrying banners, placards, and posters reflecting strong anti-tobacco messages, the participants walked through designated campus routes, helping spread awareness and reinforcing the message of a tobacco-free environment. The students' energetic involvement made the rally a visually impactful and motivational activity.

Poster Drawing Competition

In parallel with the awareness events, the Design Club, NIT Meghalaya, organised a Poster Drawing Competition open to all students. The competition encouraged creative expression on tobacco-related themes and provided a platform for students to communicate strong anti-tobacco messages through art. Cash prizes were awarded to the winners, further motivating student participation and creativity.

Refreshments and Closing

At the end of the programme, refreshments were distributed to all attendees, providing a warm and friendly conclusion to an impactful campaign. The event concluded with a collective pledge to promote a healthier, tobacco-free campus environment.

Conclusion

The Tobacco-Free Awareness Programme proved to be highly successful, with active engagement from students and meaningful collaboration between the Counselling Centre, SAC, and the Design Club. The programme not only enhanced awareness about the harmful effects of tobacco but also contributed to building a more informed, responsible, and health-conscious campus community.

National Conference “Recent Advances in Chemistry (RAC- 2025)”

The Department of Chemical & Biological Sciences organized a national-level conference titled “Recent Advances in Chemistry (RAC-2025)” from October 30 to November 1, 2025, at the permanent campus of NIT Meghalaya. The conference witnessed the participation of many eminent scientists and researchers from across the country. Around 95 participants from academia and industry, including 33 invited speakers, along with several UG, PG, and Ph.D. students, took part in the event. The conference was inaugurated by Prof. P. Mahanta, Hon’ble Director of NIT Meghalaya, in the presence of Prof. D. S. Roy, Dean (R&C) of the institute, who attended as an invited guest. The conference was partly sponsored by the Anusandhan National Research Foundation (ANRF).



A moment from the conference proceedings.



A session in progress during the conference proceedings.

IXth National Conference of the Department of Humanities and Social Sciences: Beyond New Urbanism? Environment, Sustainability and the Small Towns in India (COIN-2025)

The Department of Humanities and Social Sciences, NIT Meghalaya organized a Two-Day National Conference on “Beyond New Urbanism? Environment, Sustainability and the Small Towns in India (COIN-2025)” on the 12th & 13th December, 2025 in collaboration with Institute of Public Policy, National Law School of India University Bengaluru.

The event was sponsored by North Eastern Council, Government of India. Bringing together scholars from different disciplinary fields of Economics, Public Policy, History, Political Science, Sociology, Psychology, English, the conference sought to address the specific research gap of lack of concern for the environmental sustainability of small towns in India, with a focus on the North-East.



COIN 2025 Group Photograph

This was the IXth Annual Interdisciplinary Conference of the Department of Humanities and Social Sciences at NIT Meghalaya and the first one to be arranged in its permanent campus at Sohra (Cherrapunji). The event was sponsored by North Eastern Council, Government of India. Bringing together scholars from different disciplinary fields of Economics, Public Policy, History, Political Science, Sociology, Psychology, English, the conference sought to address the specific research gap of lack of concern for the environmental sustainability of small towns in India, with a focus on the North-East. This was the IXth Annual Interdisciplinary Conference of the Department of Humanities and Social Sciences at NIT Meghalaya and the first one to be arranged



Paper Presentation Sessions, COIN 2025

in its permanent campus at Sohra (Cherrapunji). Some of the Resource Persons of the event included Prof Sudha Vasan, Professor and Environmental Sociologist, Delhi School of Economics, Prof Sibnath Deb, Head, Dept. of Applied Psychology, Pondicherry University, Puducherry, Dr Goutam Karmakar, Assistant Professor, University of Hyderabad, India and Postdoctoral Fellow, University of Cologne, Germany, Mr Tikender Panwar, Urban Studies and Governance Expert, Former Deputy Mayor of Shimla & Currently Member of Kerala Urban Commission, Govt. of Kerala. The event included a panel discussion by eminent leaders of non-profit organizations working in the field of ecological sustainability and urban governance in India: Mr. Milind Mhaske, Founder Director of Praja Foundation, Mr Rituparna Nath, State Program Manager, Janaagraha, Assam, and Mr. Aseem Acharya, Director (Programs), FISH & Senior Advisor, BORDA South Asia and a round table discussion on **Environmental Governance in Small Towns: The Case of Meghalaya** by governance practitioners working with Government of Meghalaya under P. A. Sangma Fellowship.



Plenary Session Day 1 COIN 2025

Five-Day Workshop on “Ethical Use of AI in Research”

Date: 30th October – 4th November 2025

Organised by: Department of Humanities and Social Sciences, NIT Meghalaya

The Department of Humanities and Social Sciences, National Institute of Technology Meghalaya, organized a five-day workshop titled “Ethical Use of AI in Research” from 30th October to 4th November 2025. The workshop brought together distinguished professors, researchers, and students from various disciplines to explore the intersection of artificial intelligence and research ethics.

Day 1: Inaugural Session and Opening Lecture (30th October 2025)

The workshop commenced with the inaugural session on 30th October 2025. The event began with the welcoming of dignitaries, including Prof. Pinakeswar Mahanta, Director, NIT Meghalaya; Prof. S. Renuka Devi, Department of Engineering Education, National Institute of Technical Teachers Training and Research (NITTTR), Chennai, and Adjunct Professor, Department of Humanities and Social Sciences, NIT Meghalaya; Prof. Ayon Bhattacharjee, Department of Physics, NIT Meghalaya; and Prof. Diptendu Sinha Roy, Dean (Research & Consultancy) and Professor, Department of Computer Science and Engineering, NIT Meghalaya.

Following the felicitation of the resource person Prof. S. Renuka Devi by



Faculty and research scholars of HS Department

Dr. Shaoni Shabnam, Head of the Department of Humanities and Social Sciences, the welcome address was delivered by Dr. Shabnam. The introduction to the workshop was then presented by Dr. Swathisha P, Assistant Professor, Department of Humanities and Social Sciences, and Convenor of the workshop.

The dignitaries and resource persons addressed the gathering, setting the tone for the event. The inaugural session was followed by the first lecture, titled “Using Artificial Intelligence for Multidisciplinary Research: An Introduction, Challenges and Pitfalls”, delivered by Prof. Diptendu Sinha Roy. The session offered valuable insights into the evolving role of AI in multidisciplinary research and the challenges of maintaining ethical standards in its use.

Day 2: Exploring Ethical Frameworks and Cognitive Dimensions (31st October 2025)

The second day began with the first session by Prof. Paonam Sudeep Mangang, Professor, Department of Humanities and Social Sciences, NIT Meghalaya. After his introduction and felicitation, he delivered a lecture on “Ethical Use of AI in Academic Research.” His talk elaborated on distinctions between academic and non-academic research and emphasized the importance of ethical and responsible use of AI tools in scholarly work. The session concluded with an engaging round of questions and comments from participants.



Session in progress

The second session of the day was conducted by Dr. Swathisha P, on the topic “AI and the Researcher’s Brain.” Following her felicitation, Dr. Swathisha explored the relationship between brain structure, cognitive functions, and AI use. Two interactive activities: “AI and Me” and “AI-I Miss You!”; encouraged participants to reflect on their cognitive engagement with AI tools.

Day 3: Techniques, Creativity, and Practical Applications (1st November 2025)

The third day opened with Prof. S. Renuka Devi’s session titled “Prompt Engineering – The Art of Communicating with AI.” After being introduced, she conducted a highly interactive hands-on workshop that began with a short activity involving Meta AI. Participants engaged in various exercises and “brain gym” activities while learning techniques for crafting effective prompts. The session provided practical strategies for communicating with AI efficiently.

The second session was led by Dr. Wasim Arif, Associate Professor, Department of Electronics and Communication Engineering, NIT Silchar. His talk, “Jugaad 2.0: From Creativity to Compromise in Contemporary Academia,” examined how creativity and adaptability intersect within the current academic environment influenced by AI. After a tea break, the session continued with stimulating discussions.

Day 4: Scientific Inquiry and Technological Insight (2nd November 2025)

The fourth day featured two enlightening sessions. The morning began with Prof. Ayon Bhattacharjee’s talk titled “AI vs Me: The Challenge for Excellence.” Following his introduction and felicitation, Prof. Bhattacharjee conducted a thought-provoking session that included a hands-on activity on code numbers and a live demonstration showing electrical currents within the human body using a special device.

After the tea break, Prof. Dhiresk Kulshrestha, Professor and Dean (Economics), Chitkara University, Chandigarh, delivered a session on “AI and Machine Learning Applications in Research.” He introduced participants to the fundamentals of AI and machine learning and demonstrated Google’s “Teachable Machine.” His engaging presentation offered participants a practical understanding of AI tools relevant to research.

Day 5: Generative AI and Valedictory Session (4th November 2025)

The final day began with the session “Unfolding the Future: Understanding Generative AI and Its Possibilities.” The resource person discussed the concept of generative AI, illustrating its applications through hands-on examples. Participants practised prompt formulation and explored methods for obtaining effective outputs using ChatGPT and similar tools. The session concluded with a reflection on ethical AI use in research.

After the session, participants filled out the feedback form, followed by the valedictory session. Prof. Paonam Sudeep Mangang, Dr. Shaoni Shabnam, and Dr. Swathisha P delivered the closing addresses, expressing appreciation for the active participation of attendees and the valuable contributions of all resource persons. The event concluded with group photographs and a tea session.

Workshop on Design & Innovation in Pedagogies using AI & ML An empowering approach for educators

[November 24-28, 2025]

Organized by

Design Innovation Centre, NIT Meghalaya

The Workshop on “Design & Innovation in Pedagogies using AI & ML: An Empowering Approach for Educators” was successfully conducted from 24-28 November 2025 at the National Institute of Technology Meghalaya, Saitsohpen, Sohra. The program was organized under the Design Innovation Centre (DIC), NIT Meghalaya. The inauguration ceremony was graced by Smti. Amebada L M Sohliya, Principal, DIET Sohra, whose presence added great inspiration and marked a meaningful beginning to the workshop.



Group photograph



Felicitating of guests by the Director

Aligned with the objectives of the National Education Policy (NEP) 2020, the workshop sought to equip current and budding educators with essential skills to integrate Artificial Intelligence (AI) and Machine Learning (ML) into modern teaching practices. The workshop covered a wide spectrum of topics, including design and innovation in pedagogy, technology-enabled teaching, flipped classroom methods using OBS Studio and open-source video editors, selection and application of AI-ML tools for interactive learning, ethical considerations in AI-enabled education, gamification, and AR/VR applications for immersive learning.



Glimpse of the workshop

2nd National Wellbeing Conclave at IIT Bombay



Participants of the workshop

The program featured distinguished external invited speakers, namely Dr. Anirban Dasgupta (Assistant Professor, IIT Guwahati), Dr. P. Malliga (Professor & Head, DEMA, NITTTR Chennai), and Dr. Rohit Dwivedi (Associate Professor, IIM Shillong), who delivered expert lectures on ethical AI use, innovative instructional methods, and technology-driven pedagogical redesign. In addition, the workshop included sessions by eight internal speakers from NIT Meghalaya, contributing significantly to hands-on demonstrations and conceptual enrichment. A total of 16 participants from Women's College, EFLU Shillong, DIET Sohra, RKM Sohra, St. John Bosco School Sohra, and NIT Meghalaya took part in the program. The workshop fostered meaningful academic interactions, strengthened institutional linkages, and enhanced participants' practical understanding of AI-driven educational tools, contributing to the development of a modern, innovation-driven teaching learning ecosystem in Meghalaya.



Seminar at IITB auditorium

The 2nd National Wellbeing Conclave was held at the Indian Institute of Technology (IIT) Bombay on 22nd and 23rd November 2025, focusing on promoting positive mental health, resilience, and wellbeing in higher education.

The event was organized by the Department of Higher Education, Ministry of Education, Government of India, in collaboration with IIT Bombay, and featured inaugural sessions, panel discussions, workshops, and student presentations addressing various aspects of wellbeing.

NIT Meghalaya was represented by two students and two faculty members, who actively participated in the sessions and gained insights into institutional wellbeing practices.



Inauguration of the workshop



Stall by NIT Meghalaya

Five-day Workshop and Training Program on Semiconductor Fabrication, Packaging and Testing [2 – 6 February 2026] organized by the Department of Electronics and Communication Engineering, NIT Meghalaya

The workshop provided comprehensive exposure to key aspects of semiconductor technology and aimed to bridge the gap between theoretical knowledge and practical skills for faculty members, research scholars, and technical staff working in fields of Semiconductor Devices and Microelectronics. The workshop covered core topics such as semiconductor fabrication processes, virtual fabrication using IntelliSense software, wire bonding and IC packaging and testing etc.



Felicitation of Chief Guest

Participants benefited from hands-on training sessions involving advanced equipment, including a diamond wafer scribe and wire bonder, along with device characterization systems in the EC Department and Thin film deposition system in the Physics Department. The event was graced by the presence of Dr. Jamil Akhtar, Chief Scientist (retired) from Central Electronics Engineering Research Institute (CEERI), Pilani who shared his experience in Semiconductor Processes and Technologies for Advanced Semiconductor Devices and Sensors.



Organizers and Guests of the Workshop



Observance of equipments

Expert lectures from distinguished academicians and industry professionals enriched the learning experience by providing insights into current trends and challenges in semiconductor manufacturing.

Where Code Meets Creativity: UI/UX Interaction With NIFT

On November 27 2026, the Coding Club organized an engaging session with students from the National Institute of Fashion Technology (NIFT), focusing on the fundamentals of UI/UX design. The interaction aimed to bridge the gap between technical development and creative design through collaborative learning.



Group photo with the students of Coding Club and NIFT Students

NIFT students shared insights on design thinking, wireframing, and user-centered design, emphasizing the importance of intuitive and engaging user experiences. Coding Club members complemented this by discussing the challenges of implementing these designs into functional applications.

A hands-on activity enabled participants to design basic interfaces and analyze user journeys, fostering creativity and teamwork.

The session also introduced tools like Figma and Adobe XD, providing exposure to industry practices.

Overall, the interaction highlighted the value of collaboration between designers and developers, demonstrating how the fusion of creativity and technology leads to impactful digital solutions.

Mental Health Assessment Camp – October

Date: October.2025

Venue: Counseling centre

Total no. of participants: 16

Organised by: Institute counsellors

1. Background & Rationale

October is designated as Mental Health Month. Recognising the importance of promoting mental health awareness, self-understanding, and well-being among the academic community, the organising team arranged an assessment-camp in which tools were provided to participants to help them better understand their personality, stress, anxiety, relationships, learning style, adjustment, etc. The aim was two fold: first, to give individuals actionable personal feedback which may assist them in self-reflection and growth; and second, to normalise the conversation about mental health in the institute setting.

2. Objectives

- To enable students, staff, and faculty to access standardized psychological/ educational tools free of cost.
- To provide each participant with feedback on their personality (via Big 5), vocational interests (RIASEC), depression (via Beck's Depression Inventory), anxiety (via Hamilton Anxiety Rating Scale), perceived stress (via Perceived Stress Scale), family relationships (via Brief Family Relationship Scale), learning style assessment, multiple intelligences, and adjustment disorder screening (via "Adjustment Disorder New Module").
- To stimulate self-reflection and prompt individuals to consider follow-up or counselling if needed.

- To foster a campus culture where mental health is openly discussed and supported.

3. Participants

A total of 16 members of the NITM community participated. This included a mix of students, staff and faculty. (If you have breakdowns by category, you may insert them here: e.g., 10 students, 4 staff, 2 faculty). The relatively modest number allowed for more personalised interaction and feedback.

4. Tools Administered

Each participant received access to the following instruments/tools: Here are short paragraphs about each of the tools administered in the camp:

- **Big Five Personality Test:** This test assesses five broad personality dimensions – Openness, Conscientiousness, Extraversion, Agreeableness and Neuroticism – giving each participant a profile of their characteristic patterns of thinking, feeling and behaving.
- **RIASEC (Vocational Interest Inventory):** Based on the model by John L. Holland, this tool helps individuals identify the types of work-activities or environments (Realistic, Investigative, Artistic, Social, Enterprising, Conventional) they prefer, thereby linking interests to possible career paths.
- **Beck Depression Inventory (BDI):** A self-report inventory that measures the severity of depressive symptoms (such as mood, guilt, sleep, appetite) in the recent period. While it does not by itself diagnose depression, it helps to flag elevated symptom levels.
- **Brief Family Relationship Scale:** This instrument gauges an individual's perception of family functioning in terms of cohesion, expressiveness and conflict, offering insight into the quality of their family relationships.

- **Multiple Intelligence Test:** Drawing on the idea that people possess diverse intelligences (linguistic, logical-mathematical, spatial, musical, interpersonal etc.), this test helps participants discover which intelligences are relatively stronger and how they might apply or develop them further.
- **Hamilton Anxiety Rating Scale:** A clinician-rated or interviewer-based scale that assesses the severity of anxiety symptoms including both psychological (e.g., worry, fear) and physical (e.g., somatic tension) components. It helps indicate how much anxiety is impacting an individual.
- **Learning Style Inventory:** This questionnaire helps individuals identify their preferred modes of learning (for example visual, auditory, reading/writing, kinesthetic) and thereby reflect on how to tailor their study or work habits to those preferences.
- **Perceived Stress Scale (PSS):** A self-report tool that measures the degree to which situations in one's life are appraised as stressful – in particular feelings of unpredictability, lack of control and overload. It gives a snapshot of subjective stress burden.
- **Adjustment Disorder New Module 20 (ADNM-20):** A self-report screening instrument developed to detect symptoms associated with adjustment disorder (emerging after a stressful life event). It helps identify individuals at higher risk for maladaptive adjustment. These tools were selected to provide a broad overview of participants' psychological, relational, vocational, and learning-/adjustment-related profiles.
- **Adjustment Disorder New Module 20 (ADNM-20):** A self-report screening instrument developed to detect symptoms associated with adjustment disorder (emerging after a stressful life event). It helps identify individuals at higher risk for maladaptive adjustment.

These tools were selected to provide a broad overview of participants' psychological, relational, vocational, and learning-/adjustment-related profiles.

5. Procedures & Logistics

- The announcement was made ahead of time inviting students, staff and faculty to participate.
- Each participant completed the battery of assessments (either paper-based or digital).
- Following completion, the institute counsellors provided individual feedback sessions: explaining the results, discussing strengths and areas of concern, and answering questions.
- Each participant was given a summary sheet of their test results and suggestions (for personal reflection, resources, follow-up counselling if needed).
- Learning Styles / Multiple Intelligence: The assessments revealed diversity in styles (visual, kinesthetic, auditory) and intelligences (logical-mathematical, interpersonal, intrapersonal etc). This can help students/staff tailor their learning/teaching strategies.
- Adjustment Disorder New Module: Very few participants scored in the range suggestive of adjustment difficulties; nonetheless, the assessment served as a prompt to reflect on recent life transitions (joining institute, new job, role changes).



Assessment in Counselling Centre

6. Feedback from Participants & Qualitative Insights

- Many participants appreciated the opportunity to gain structured insight into themselves (both psychologically and vocationally).
- Some mentioned that seeing their “profile” helped them think about how to play to their strengths (e.g., a student realizing they learn better by doing than by listening exclusively).
- Staff/faculty expressed that the camp signalled the institution’s commitment to mental health and helped normalise seeking psychological support.
- A few participants commented that the feedback made them aware of subtle stress/anxiety they had previously dismissed, encouraging them to consider follow-up support.
- Facilitators observed that the one-on-one feedback really enhanced the value (versus just a bulk test). The informal sharing session helped destigmatize.



Assessment in Counselling Centre

7. Challenges & Limitations

- Sample size was small (16 participants) so insights are limited in terms of generalisability to the entire campus community.
- The time taken per participant (given multiple instruments) was relatively high, which may limit scaling in future..
- Because many tools provided quantitative scores, interpretation required facilitator time and effort, which needs more resource planning.
- Follow-up support and tracking (i.e., whether participants acted on feedback) was not built into the camp structure—future iterations may benefit from longitudinal follow-up.

8. Conclusion

The October assessment camp at NITM was a meaningful step in promoting psychological awareness, self-understanding and mental health culture on campus. Though modest in size, it delivered value to the 16 participants through structured tools, personal feedback and reflection. By building on this success with scaled outreach, follow-up and integration into broader wellness programming, the institute can further strengthen its commitment to the mental well-being of its community.



Assessment in Counselling Centre

Procured Equipment (TE Lab)



Thermal Camera under project title "Investigating Self-Healing Capability and performance of HMA mixes containing steel slag as aggregates" funded by ANRF, file no CRG/2022/008018-G.

A **Thermal Camera** is a non-contact imaging device used to detect and measure temperature variations by capturing infrared radiation emitted from surfaces. In civil and transportation engineering applications, it is used to monitor temperature distribution in asphalt paving, identify segregation, detect moisture intrusion, and assess structural defects. The equipment helps ensure quality control, safety inspection, and performance evaluation without direct contact with the material



Servo Pneumatic Resilient Modulus Equipment under project title "Investigating Self-Healing Capability and performance of HMA mixes containing steel slag as aggregates" funded by ANRF, File no CRG/2022/008018-G

The **Resilient Modulus Apparatus** is a laboratory equipment used to determine the resilient modulus (M_r) of asphalt mixes under repeated loading conditions. The test simulates the effect of moving traffic loads by applying cyclic compressive stress to a cylindrical bituminous specimen, typically in an indirect tensile configuration. The apparatus consists of a loading frame with a dynamic actuator, load cell, deformation measuring devices (LVDTs), and a temperature-controlled chamber. It measures the recoverable (elastic) strain produced under repeated stress, from which the resilient modulus is calculated. This test is essential for evaluating the stiffness characteristics of bituminous mixes and is widely used in mechanistic pavement design and performance analysis.



Semi-Circular Bending and Indirect Tensile Testing Facility (SCB) under Project title “Gainful Utilization of Overburden Mining Waste Generated During Limestone Mining in Meghalaya Region as Flexible Pavement Material” funded by ANRF, File no. EEQ/2022/000397

The equipment is used to evaluate the fracture resistance and cracking potential of bituminous mixes. In this test, a semi-circular asphalt specimen with a pre-cut notch is subjected to controlled loading until failure. It measures load and displacement to determine fracture energy, tensile strength, and flexibility index. The SCB test is widely used to assess cracking resistance of asphalt mixtures and to improve pavement performance, particularly in regions prone to thermal and fatigue cracking.

Expert Lecture Series by Prof. Rakesh Sehgal



Glimpse of the Lecture Session

The Department of Mechanical Engineering recently hosted Prof. Rakesh Sehgal (HAG), from NIT Hamirpur, for a series of high-impact expert lectures on November 24–25, 2025. Prof. Sehgal shared profound insights into the evolving landscape of **Smart Materials, Industry 4.0, and Tribology**, while also reinforcing foundational concepts in Strength of Materials. His sessions bridged the gap between classical engineering and future-ready technologies, providing students and faculty with an invaluable perspective on modern industrial innovations and advanced material science.



Felicitations of Prof. Rakesh Sehgal

Professional Development Programme on Occupational Safety and Health



Glimpse of the programme

From December 8–12, 2025, the **Department of Mechanical Engineering** hosted a **Professional Development Programme** focused on **Occupational Safety & Health**. Designed to empower our technical staff and employees, the week-long session integrated expert-led theory with practical, hands-on training. This initiative marks a significant step in enhancing workplace safety and fostering a culture of technical excellence across the institute.



Employees hand-on Drill

Industry–Academia and Research Conclave 2025

Date: 13th to 16th November 2025.

Various technical events were organized, including robotics competitions like

Robodiction, Roborumble, and Tech Storm, showcasing innovation and technical skills.

Coding events challenged participants' programming and problem-solving abilities while Astronomy activities also encouraged curiosity and exploration of space science.



Glimpse of Industry–Academia and Research Conclave 2025

MoU with Survey of India



Director of NIT Meghalaya with the MoU

Academic Audit by the Department of Mechanical Engineering



Felicitatation of auditors

The Department of Mechanical Engineering, NIT Meghalaya has successfully conducted the Academic Audit.

1. Prof. Bijoy Kumar Nanda, Professor (Retd.), NIT Rourkela and Ex VC Veer Surendra Sai University of Technology (VSSUT), Burla,
2. Prof. Prof. Uday Shanker Dixit, Professor, IIT Guwahati and
3. Prof. V. Kanagarajan, Head NTAf, Director Grade Scientist (Retd), CSIR NAL Bangalore have graced as the esteemed auditors for our academic activities. The auditors have highly appreciated the dynamicism, excellent academic and research activities of the department.



Group photograph

From CAD to Multiphysics Real-World Simulation Using ANSYS

The **National Institute of Technology Meghalaya** successfully organized a five-day workshop titled “From CAD to Multiphysics: Real-World Simulation Using ANSYS” from **23rd to 27th February 2026**, held daily from 9:00 AM to 4:00 PM at the institute campus.

Organising Team

Dr. Koushik Das, Chairman

Dr. Sambit Majumder, Convenor

Mr. Pratit S. Dev Roy, Member

The workshop aimed to introduce participants to advanced simulation techniques and their applications in engineering and industry. Organized in collaboration with ANSYS and ARK Infosolutions Pvt. Ltd., the program provided hands-on training in CAD modeling, computational fluid dynamics (CFD), finite element analysis (FEA), and multiphysics simulations.

Throughout the five days, participants engaged in practical sessions covering geometry creation, meshing techniques, fluid flow simulations, structural analysis, thermal studies, and vibration analysis. The workshop also explored real-world engineering challenges, enabling attendees to understand how simulation tools improve design efficiency and performance.

Open to B.Tech, M.Tech, and Ph.D. scholars, the program witnessed active participation and offered valuable exposure to industry-relevant tools and workflows. The sessions were guided by experts from academia and industry, ensuring a balanced blend of theoretical knowledge and practical insights.

Field Visit to Construction Site and Wahrew Arch Bridge



Civil engineering students of NIT Meghalaya

The Department of Civil Engineering, NIT Meghalaya, organized an academic field visit on **5th February 2026** for the students of B.Tech III Year, B.Tech IV Year, M.Tech I Year, and M.Tech II Year as part of the curriculum (For AY 2025-26) to enhance practical exposure and understanding of real-world civil engineering practices. The visit covered a construction site and the Wahrew Arch Bridge, with the objective of familiarizing students with structural detailing, bridge engineering concepts, and field-based testing techniques.

1. Visit to Wahrew Arch Bridge

The visit to the Wahrew Arch Bridge provided students with an opportunity to study an important infrastructure asset and understand the structural and functional aspects of arch bridge construction.

Key Technical Learnings:

- Students were briefed on the structural configuration and design concept of the bridge, including load transfer mechanisms, and support conditions.
- The importance of foundation design, abutments, and load distribution in arch bridges was explained in detail.
- Technical discussions were conducted on construction methodology, material selection, and challenges faced during execution in hilly terrain and high rainfall regions. Students observed the geometric alignment, drainage provisions, and safety features incorporated in the bridge.



Visit to Wahrew Bridge

2. Visit to Ongoing Construction Site

At the construction site, students were exposed to various aspects of building construction and structural engineering practices. Key Technical Learnings:

- Detailed explanation of structural components such as foundations, columns, beams, slabs, and reinforcement detailing was provided.
- Students observed reinforcement placement, shuttering/formwork systems, and concreting practices.
- Emphasis was given to quality control measures, including material testing, mix proportioning, curing practices, and site safety protocols.
- The importance of construction sequencing, supervision, and coordination among different teams was highlighted.



Exposure to various aspects of building construction



Hands-on exposure to NDT techniques

3. Non-Destructive Testing (NDT) Demonstration and Practice

A significant component of the field visit was the demonstration and hands-on exposure to Non-Destructive Testing (NDT) techniques.

Students were introduced to commonly used NDT method (Rebound Hammer Test) for concrete structures. Practical demonstration of NDT equipment was conducted to assess strength and quality of concrete without damaging the structure. Students participated in performing selected NDT tests under supervision and learned about data interpretation and field application. The role of NDT in condition assessment, quality assurance, and maintenance planning was explained.



Supervision of students during practical demonstration

Bootcamp on Drone Technology Conducted by CSE Department



Organizers of the Bootcamp

The 24th Bootcamp on Drone Technology and Related Applications, conducted from 23rd to 27th February 2026 at NIT Meghalaya, was a comprehensive five-day intensive training program aimed at equipping participants with both theoretical understanding and practical expertise in unmanned aerial vehicle (UAV) systems. The bootcamp covered a wide spectrum of topics, including drone design and fabrication, simulation environments, embedded programming, sensor integration, calibration techniques, controlled flight testing, and an overview of aviation regulations and safety protocols. Organized in collaboration with NIT Silchar, the program was delivered by experienced drone specialists, Mr. V. Gourisankar and Mr. Joel Chacko Joseph from Jet Aerospace Aviation Center, who provided in-depth guidance through interactive sessions and hands-on activities.



Students from various branches taking part in the bootcamp

The bootcamp attracted active participation from 48 students, who engaged enthusiastically in building, configuring, and operating drone systems, thereby gaining valuable exposure to real-world challenges and applications of drone technology. Emphasis was placed on experiential learning, teamwork, and innovation, enabling participants to bridge the gap between theoretical concepts and practical implementation. Overall, the program served as a valuable platform for nurturing technical skills and fostering interest in emerging UAV technologies and their diverse applications across industries.

Expert Talk on Space Science under NSSS-2026 at NIT Meghalaya



Glimpse of the session



Participants configuring and operating drone systems

The Computer Science and Engineering Department, NIT Meghalaya had the privilege of hosting an Expert Talk on 26 February 2026 as part of the outreach activities of the National Space Science Symposium (NSSS-2026), jointly organized by the North Eastern Space Applications Centre (NESAC) and the Indian Space Research Organisation (ISRO). The session was delivered by Prof. Dipankar Banerjee, Vice-Chancellor of the Indian Institute of Space Science and Technology and former Director of the Aryabhata Research Institute of Observational Sciences. A renowned expert in solar physics, Prof. Banerjee shared valuable insights through his talk titled “A Journey Towards Our Nearest Star: The Sun with Aditya L1 and Recent Space Missions.”



Prof. Dipankar Banerjee delivering the expert talk

The lecture provided an overview of India's pioneering solar mission, Aditya-L1 mission, along with recent advancements in space exploration. The talk highlighted the importance of solar studies in understanding space weather and its implications for modern technological systems. An engaging interactive session followed, offering participants the opportunity to interact directly with the speaker and deepen their understanding of contemporary space science research. The event proved to be an enriching experience, reflecting the institute's continued commitment to academic excellence and fostering scientific inquiry among students and Scholars.

NLP AI Workshop on “Strengthening NLP for Indian Context: Passionate Commitment to NLP Teaching and Research” in memory of Prof. Pushpak Bhattacharyya on March 14, 2026, organized by HLT Lab, Department of Computer Science and Engineering, NIT Meghalaya as part of ISHAAN Project under BHASHINI NLTM.



**The Head of Department of CSE
department, Dr. Deepak Kumar, facilitating
Prof. Dipankar Banerjee**

The Human Language Technology (HLT) Lab, Department of Computer Science and Engineering, NIT Meghalaya, organised a one-day workshop titled “Strengthening NLP for Indian Context: Passionate Commitment to NLP Teaching and Research” on March 14, 2026 in collaboration with the NLP Association of India (NLP AI). The event served as a heartfelt tribute to the memory of (Late) Prof. Pushpak Bhattacharyya, past president of both the Association for Computational Linguistics (ACL) and NLP AI, and one of the foremost pioneers of Natural Language Processing in India. The workshop brought together distinguished researchers, academicians, and practitioners from across the country to reflect on the present state of Indian language technologies and to chart a meaningful path forward.

Speakers of the Programme:

- Prof. Rajeev Sangal, Founding President, NLP AI, Founding Director of IIIT Hyderabad and IIT BHU.
- Prof. Sivaji Bandyopadhyay, President, NLP AI and Professor Jadavpur University.
- Dr. Aditya Joshi, University of New South Wales, Australia.
- Prof. Dipti Misra Sharma, Former President, NLP AI and Emeritus Professor IIIT Hyderabad.
- Dr. Sobha L., Vice-President, NLP AI and Professor AU-KBC.
- Prof. Vasudeva Varma, Treasurer, NLP AI and Professor IIIT Hyderabad..
- Dr. Sudeshna Sarkar, Vice-President (Elect), NLP AI and Professor IIT Kharagpur.
- Mr. Karunesh Arora, Permanent Invitee, NLP AI, CDAC .
- Dr. Asif Ekbal, Secretary, NLP AI and Associate Professor IIT Patna.



Felicitiaon of invited guests.

Inaugural Session

The programme commenced with an inaugural address by Prof. Pinakeswar Mahanta, Director of NIT Meghalaya. Prof. Mahanta highlighted the transformative potential of NLP for the region, particularly its applications for the visually impaired, in which NIT Meghalaya actively serves through its association with the Sitimon Centre, home to the School for Skills: Allied Health Sciences. This was followed by an address by Prof. Sivaji Bandyopadhyay, who spoke passionately about the importance of NLP for low-resource languages, such as Khasi and Garo, which are integral to the cultural identity of the Northeast yet remain vastly under-represented.

Prof. Bandyopadhyay encouraged the students and researchers present to rise to this challenge and take up the difficult but deeply rewarding work of building NLP capabilities for languages where, often, everything must be built from the ground up. The keynote address was delivered by Prof. Rajeev Sangal, who made a compelling case for NLP research deeply rooted in and responsive to the unique realities of Indian languages. He emphasised that the sheer linguistic diversity of India, with its hundreds of languages spanning multiple script systems, grammatical traditions, and speech communities, demands research approaches that go well beyond adapting high resource language based models.



Inaugural address by the Director, NIT Meghalaya (online mode).

Technical Sessions

The workshop's technical sessions were marked by remarkable depth and breadth. Dr. Aditya Joshi, delivered a talk on computational NLP, drawing on his widely recognised work in sarcasm detection and its broader implications for building context-aware language systems. Prof. Dipti Misra Sharma,, spoke about the necessity of sustained, long-term investment in Indian NLP, while Dr. Sobha Lalitha Devi directed attention to the risks posed by English-centric paradigms and the structural barriers they create for speakers of India's many other languages.



Address by Prof. Dipti Misra Sharma on Indian NLP research

Prof. Vasudeva Varma delivered a thought-provoking talk titled “Reimagining NLP for India” calling for India-specific benchmarks and evaluation frameworks that genuinely reflect the complexity of the country & linguistic diversity. Dr. Sudeshna Sarkar outlined a vision for transforming NLP into an ecosystem enabler, one that drives change through education, resource creation, and community building. Shri Karunesh Arora also addressed the participants, underscoring the indispensable role of collaborative research in advancing the field. A highlight of the day was the technical talk by Dr. Sobha Lalitha Devi of Anna University, who offered a nuanced perspective on the challenges of moving beyond “English-first” NLP, covering the morphological richness of Indian languages, the need for discourse-level understanding, and the complexities of code-mixed data that characterise everyday communication across the subcontinent.



Address by Prof. Dr. Sudeshna Sarkar on NLP ecosystem development.

Conclusion

The workshop offered a panoramic yet focused overview of the current state of NLP in India. Key themes that emerged across sessions included the urgent need for indigenous datasets, linguistically informed model design, and stronger collaboration between academia and industry. The programme concluded with a summary address by Dr. Asif Ekbal who brought the proceedings to a close and acknowledged the collective effort that made the event a success.



Participants attending the workshop session

NIT Meghalaya was honoured to host this event and the workshop reaffirmed the HLT Lab’s commitment to building language technologies that serve India’s multilingual communities.

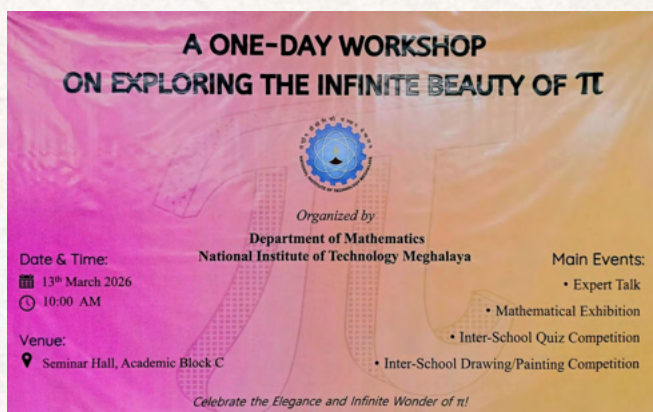
Celebration of World Statistics Day

The World Statistics Day was celebrated in the institute, organized by the Department of Mathematics. Prof. Probal Chowdhuri, ISI Kolkata, delivered the keynote address.



Celebration of World Statistics Day by the Department of Mathematics, NIT Meghalaya

Department of Mathematics organizes Workshop to Explore the Beauty of π



Celebration of Pi Day

Venue: National Institute of Technology, Meghalaya

Date: 13.03.26

Theme: "Exploring the Infinite Beauty of Pi"

The Department of Mathematics, NIT Meghalaya organized a vibrant Pi Day celebration featuring a blend of knowledge, creativity, and competition.

Highlights of the Day:

- Mathematical Exhibition by M.Sc. & PhD Scholars
- Inter-School Quiz Competition
- Inter-School Drawing/Painting Competition

Participating Schools (5):

RKM HSS Sohra, St. John's Bosco Boys HSS, St. John's Bosco Girls HSS, Cherra Presbyterian Secondary School, and St. Louis Secondary School.



Director of NIT Meghalaya addressing the gathering

Winners:

Quiz Competition: Ramakrishna Mission Higher Secondary School, Sohra

Drawing/Painting: St. John's Bosco Boys Higher Secondary School, Sohra

A day celebrating the beauty of mathematics, creativity, and young minds coming together in the spirit of learning.



Students from various schools participating in the workshop

Invited Lecture by Dr. Amrita Mandal

An invited talk was delivered by Dr. Amrita Mandal, Assistant Professor, BIT Mesra on the topic entitled "The basic of quantum computation and a realization of quantum walks in different lattice models."



A token of appreciation being presented to Dr. Amrita Mandal.

International Women's Day Celebration



Celebration of Women's Day

On the occasion of International Women's Day, observed on 8th March, the Department of Humanities and Social Sciences, NIT Meghalaya, organized a thoughtfully curated programme on 17th March 2026 at the Meeting Room, Block A. The event brought together faculty members and research scholars in a vibrant space of reflection, creativity, and critical engagement.

The programme opened with a moving poetic segment that established a reflective and engaging atmosphere for the event. Anirban Banerjee, a research scholar from the department, presented and translated "I Am That Girl," originally composed as "Aami Sei Meye" by Shubha Dasgupta. The poem powerfully conveyed themes of identity, resilience, and self-affirmation, resonating deeply with the audience. This was followed by Sardonyx Harold Myllemngap, who presented his original composition "Remembering (Kynmaw)," bringing a personal and reflective dimension to the session. He further recited "Phenomenal Woman" by Maya Angelou, reinforcing themes of confidence, strength, and womanhood. Together, these performances created a layered literary experience that blended individual expression with broader feminist thought.

Following the poetic segment, a group discussion was conducted on the theme: "The Supreme Court of India is right in prioritising workplace equality over mandating menstrual leave."

The session witnessed active participation from both faculty members and research scholars, who engaged critically with the complexities of gender, labour rights, and institutional responsibility. The discussion brought forth diverse perspectives—ranging from concerns about reinforcing biological stereotypes to arguments highlighting the need for structural support for women's health. This exchange of ideas created a dynamic and thought-provoking environment, enriching the overall academic engagement of the programme.

The second session featured an insightful online talk by Ketaki Chowkani, Assistant Professor of Sociology at the Manipal Institute of Social Sciences, Humanities and Arts, Manipal Academy of Higher Education, Manipal. Titled "Rethinking Women and Marriage in India," the talk offered a critical examination of the societal expectations surrounding marriage. Dr. Chowkani emphasized the need to acknowledge and respect women's choices, particularly the decision to remain single, and advocated for normalizing such choices within society. Her reflections highlighted the importance of autonomy, agency, and the reconfiguration of traditional norms.

The session concluded with an interactive discussion, allowing students to engage directly with the speaker and gain meaningful insights. Overall, the programme was a resounding success, marked by thoughtful participation and a collective commitment to reimagining gender discourse in contemporary society.



Glimpse of the session

Orientation Programme for New Ph.D. Scholars (Spring 2026)

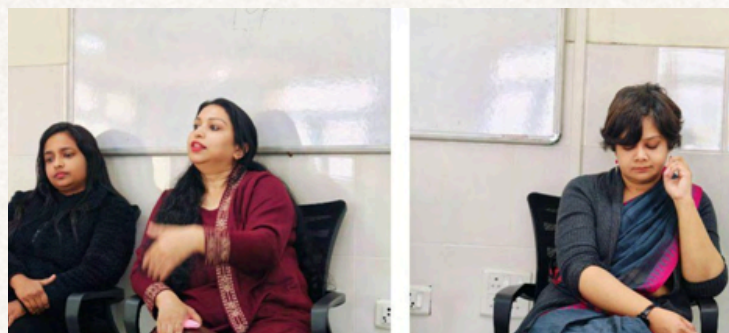


Newly admitted PhD scholars attending the orientation programme

The Department of Humanities and Social Sciences at National Institute of Technology Meghalaya organized an orientation programme for the newly admitted Ph.D. scholars of the Spring 2026 semester. The programme was thoughtfully conducted by the senior research scholars of the department with the aim of welcoming the newcomers and acquainting them with the academic and institutional environment.

The programme was divided into two parts. The first part consisted of a formal introduction session, where the new scholars introduced themselves to the faculty members and senior scholars and vice versa. This session also included a comprehensive orientation on the rules and regulations of both the institute and the department, helping the scholars gain clarity regarding academic expectations, research protocols, and administrative procedures.

The programme was graced by the esteemed presence of faculty members including Dr. Shaoni Sabnam, Head of the Department; Prof. Paonam Sudeep Mangang, Dean of Student Welfare and Professor; Dr. Swathisha P.; and Dr. Elsa Cherian. Their presence and words of encouragement created a warm and motivating atmosphere for the new entrants. A total of eleven scholars participated in the programme.



Faculty Members of the Humanities and Social Sciences department

Following the formal session, a brief tea break provided an opportunity for informal interactions among faculty members and scholars, fostering a sense of camaraderie.

The second part of the programme was more interactive and engaging, featuring a series of games and activities designed to make everyone feel comfortable and at home. Both faculty members and scholars actively participated, breaking hierarchical barriers and encouraging a friendly academic culture. The cultural segment added vibrancy to the event, where scholars Deimaphimo Mawa and Saphi Damanbha Jyrwa presented a song together. Sardonyx Herald Myllemngap, one of the freshers, recited a self-composed poem, showcasing creative talent. Anirban Banerjee also contributed by singing a song, further enriching the programme.

The orientation programme concluded on a joyful and optimistic note, reflecting the department's inclusive and supportive academic environment. The event not only helped the new scholars integrate smoothly but also hinted at a promising and collaborative future for the department.



Glimpse of the session

Alumni Interaction and Mentorship Program



Participants attending the session

An Alumni Interaction and Mentorship Program was organized by the Alumni & Industry Relations Cell of NIT Meghalaya on 5 March 2026 in hybrid mode, with a total of 43 participants attending the session.

The program featured our distinguished alumnus, Dr. Nurul Amin Choudhury, currently serving as an Assistant Professor at NIT Meghalaya, as the keynote speaker. Dr. Choudhury delivered a talk titled “Wearable Sensors and Their Applications in the Real World: A Machine and Deep Learning Perspective.”

In his talk, he explained the fundamentals of wearable sensor technologies and discussed their significance in real-world applications such as healthcare monitoring, fitness tracking, and smart systems. He also briefly introduced how machine learning and deep learning techniques are integrated with these sensors to enhance data analysis and system performance. The session provided valuable insights into recent developments in this field and highlighted the interdisciplinary nature of wearable technology.



Glimpse of the session

Dr. Choudhury also shared his academic journey and professional experiences, which motivated the students and gave them a better understanding of career pathways and research opportunities in this area.

The talk was followed by an interactive session, during which participants asked questions and clarified their doubts regarding wearable sensors, machine learning, and higher studies.

Overall, the program was informative, engaging, and inspiring, and it served as an effective platform for meaningful interaction between students and alumni.



Dr. Nurul Amin Choudhury, keynote speaker of the program

Commemoration of 150 Years of Vande Mataram :

As part of celebrating 150 years of Vande Mataram at NIT Meghalaya, the Dance and Drama Club organized a commemorative event on 19th February 2026. This initiative was aimed at honoring the historical and cultural significance of Vande Mataram, which has been a symbol of patriotism and national pride since the time of India's freedom movement.

The program featured a variety of engaging cultural activities, including dance performances, drama, and poem recitations, all centered around the theme of patriotism and the spirit of the nation. These performances beautifully showcased the artistic talents of students while reflecting the essence and emotional depth of Vande Mataram.

Students actively participated in the celebration, expressing their respect and admiration for the legacy of this iconic composition. The event created a vibrant and inspiring atmosphere, bringing together creativity and national pride.



Skit presented by Drama Club

The primary objective of the event was to instill a sense of national pride and awareness among students about the historical importance of Vande Mataram. Through this commemoration, the Dance and Drama Club aimed to inspire the youth to stay connected with the rich cultural heritage of the nation.



Skit presented by Drama Club

EV Challenge 2025

Organized by Entrepreneurship Cell NIT Meghalaya in collaboration with Institution's Innovation Council (IIC) & Student Activity Centre (SAC)

Event Title

MEGHADRIVE ECO-RUGGED EV CHALLENGE & SEMINAR 2025: Pitching Innovation and Igniting Changes

Objective of the Event

The main objective of MEGHADRIVE ECO-RUGGED EV CHALLENGE & SEMINAR 2025 was to provide a competitive yet collaborative platform for students of NIT Meghalaya to showcase their entrepreneurial ideas, receive expert mentorship, and gain exposure to real-world challenges in the startup ecosystem and drive innovation in sustainable mobility. The event aimed to:

- Foster innovation and entrepreneurship to create impactful solutions.
- Encourage the development of responsible, rugged, and resilient electric vehicles (EVs) suitable for diverse landscapes.
- Bridge academia, industry, and policy to reimagine mobility that is robust, eco-friendly, and future-ready.
- Support India's journey toward sustainability and climate responsibility through EV technologies.

Event Overview

The **MEGHADRIVE ECO- RUGGED EV CHALLENGE & SEMINAR 2025** was a national level event successfully organized by the **NIT Meghalaya Entrepreneurship Cell (E-Cell)** in collaboration with the **Institute Innovation Council (IIC)** on **15th November, 2025** at the **Senate Hall, NIT Meghalaya campus** in both online and offline mode.

The event witnessed enthusiastic participation from students across different colleges and universities, who came forward with bold, creative, and solution-oriented ideas. Participants pitched their concepts before an esteemed panel of evaluators and mentors.

The event was structured to encourage students to think beyond academics, develop prototypes or pitch decks, and refine their presentations with the help of feedback received during the sessions.

Special Features of the Event

- **Full-Day Program:** The activity spanned more than 6 hours, qualifying for ACT hours under IIC guidelines.
- **Mentorship Rounds:** Participants received structured inputs from mentors regarding market feasibility, technical scalability, and business modelling of their ideas.
- **Networking Opportunities:** Students interacted with industry experts, faculty mentors, and evaluators.
- **Inspirational College Choir:** the song sang by them resonated with the mission of using technology for good, people, and the planet.
- **E-Cell logo introduction:** Our E-Cell's logo embodies this philosophy. The upward curve signifies progress, growth, and limitless possibilities. Nestled within is a green leaf, a symbol of our commitment to sustainability – a reminder that even while pushing technological boundaries, our innovation must be rooted in environmental stewardship. Our E-Cell's moto is "दैवः परश्रमम् नममत" which signifying that "Destiny bows down to hard work."

Guests and Evaluators

The event featured experienced mentors and evaluators who critically assessed the participants' ideas, highlighting strengths and suggesting areas for improvement. They evaluated pitches based on innovation, feasibility, societal impact, scalability, and sustainability.

We were privileged to host eminent personalities whose presence added immense value to the event:

1. Dr. Pallab Maji – Senior Research Engineer III – Perception, Autonomous Driving at Nvidia.

Dr. Maji currently works as Senior Research Engineer III – Perception, Autonomous Driving at Nvidia and has experience at Ola electric and Mercedes Benz research and development, India. With significant hands-on experience in autonomous systems, EV technologies, and perception algorithms, Dr. Maji brings a wealth of knowledge on how smart mobility can scale efficiently in India. His research interests lie in the design and development of perception systems for autonomous vehicles, with a strong focus on computer vision and machine learning.

2. Dr. Nikilesh Wanjari – Research Scholar in Power Electronics at Indian Institute of Technology (IIT), Delhi.

A distinguished expert in sustainable mobility and interdisciplinary research, Dr. Wanjari's perspectives on vehicle design, energy optimization, and engineering for challenging terrains are highly relevant to today's challenges. His work is highly relevant to the electrical engineering side of EVs, covering areas like: Power Electronics converters and Modular Multilevel Converters (MMC). Charging Stations – He has published on multilevel converter-based charging stations for a fleet of electric transit buses. Battery Integration – He has research on battery-integrated MMC for grid connected solar PV applications.

3. Dr. Bibhas – Faculty Incharge (FIC) of E-Cell and Center for Innovation, Incubation and Entrepreneurship (CIIE)

4. Dr. Pemendra – Faculty Mentor, Institution Innovation Council

Key Insights from the Guests and Judges

1. Dr. Bibhas Manna – Drawing a strong analogy, he articulated that the Entrepreneurship Cell (E-Cell) operates fundamentally differently from a biological cell—rather than relying on DNA or complex molecules, it thrives entirely on ideas. These ideas are the true source of differentiation for entrepreneurs, the fuel for creativity, and the essential force that shapes the future. He underscored that global transformation has historically been driven not by wealth or abundant resources, but solely by the compelling power of ideas, which enabled visionaries to create world-changing companies. By effectively nurturing and guiding these conceptual building blocks, the E-Cell empowers students at NIT Meghalaya to bridge the gap between imagination and tangible, impactful reality

2. Dr. Pallab Maji – Dr. Maji highlighted that India currently needs entrepreneurs more than ever to drive economic growth and solve pressing societal challenges. These individuals are crucial not only for creating essential jobs but also for generating innovative solutions, such as those related to sustainable mobility for diverse landscapes. This ensures that students, the next generation of innovators, are equipped with the practical skills and the entrepreneurial mindset required to transform creative ideas into successful startup ventures and impactful, real-world solutions. Concluding his address and his insightful mentorship, he reminded participants that ideas, when nurtured with mentorship and persistence, have the power to turn into impactful realities, driving both regional and national progress.

3. Dr. Nikilesh Wanjari – Dr. Wanjari began by acknowledging the ironic reality of Meghalaya’s unique paradox: despite being the state with the highest rainfall in India, it faces critical sustainability challenges which is new to him. This immediately positioned the technical challenge within a real-world, localized context. He then underscored a key cultural advantage, stressing that sustainability is intrinsically embedded in the culture of the North East, naturally aligning the region with global innovation and the core mission of the event. Concluding the address, he reminded participants that their innovative ideas, if nurtured with the right mentorship and fueled by persistence, have the profound power to translate into impactful realities, thereby driving essential regional and national progress.

Following the successful completion of the EV Challenge, we had a special address delivered by **Arush Raman, Founder President of E-Cell NIT Meghalaya**. In his address, he appreciated the efforts and enthusiasm shown by all the participants. He highlighted the importance of innovation and sustainability in today’s rapidly evolving world, especially in the field of electric vehicles. He encouraged students to continue exploring new ideas and to actively contribute to building a greener future. He also spoke about the role of E-Cell in nurturing entrepreneurial thinking and providing platforms for young innovators to transform their ideas into impactful solutions. His words served as a source of motivation for all attendees, inspiring them to pursue creativity, collaboration, and problem-solving.

The session concluded with a vote of thanks, marking the end of an insightful and inspiring segment of the event.

Event Highlights

- Mentors shared valuable insights on EV innovation, sustainability and presentation abilities.
- Active participation from student innovators and wonderful presentations focused on eco-rugged and future-ready mobility solutions.
- Successful launch of the Meghadrive Eco-Rugged EV Challenge 2025 and E Cell logo introduction.

Key Outcomes of the Activity

- Skill Enhancement: Students developed stronger presentation, pitching, and entrepreneurial abilities.
- Mentor Engagement: Learners were connected with experienced mentors who provided immediate and practical feedback on their ideas.
- Institutional Visibility: NIT Meghalaya’s profile as an innovation- and entrepreneurship-driven institution was further reinforced.
- Startup Pathway: Innovative and feasible ideas were shortlisted for potential incubation and funding opportunities.
- Confidence Building: Students gained greater self-belief and motivation to explore and pursue entrepreneurial careers and got encouraged towards interdisciplinary thinking.

Conclusion

The Meghadrive Eco-Rugged EV Challenge & Seminar 2025 concluded with resounding success, achieving its objective of promoting innovation, sustainability, and real-world problem solving in the field of electric mobility. The event served as a dynamic platform where students, faculty members, and industry professionals came together to exchange ideas and explore solutions tailored to India's diverse and challenging terrains.

The mentor's guidance sessions offered valuable perspectives on autonomous driving, EV system design, energy optimization, and sustainable engineering practices. These discussions helped participants understand the practical challenges involved in developing rugged and eco-friendly electric vehicles, bridging the gap between theoretical knowledge and real-world applications. The emphasis on sustainability reinforced the responsibility of future engineers to design technologies that are not only advanced but also environmentally conscious.

The Meghadrive Eco-Rugged EV Challenge encouraged participants to think creatively and collaboratively, fostering interdisciplinary learning and innovation. The structured presentations and evaluation process enhanced students' confidence, communication skills, and problem-solving abilities. Overall, the event strengthened the culture of innovation and entrepreneurship at the institute and concluded with a strong sense of motivation and purpose, inspiring participants to contribute actively to the future of clean and sustainable mobility.

INTER NIT FACULTY & STAFF SPORTS TOURNAMENT

NIT MEGHALAYA HAS CLINCHED 3RD PLACE AT THE ALL INDIA INTER NIT FACULTY & STAFF SPORTS TOURNAMENT HELD AT NIT JALANDHAR FROM 25TH TO 27TH DECEMBER 2025.

Men's Badminton (Team Event) & Men's Table Tennis (Open Singles)

Men's Badminton Team
Prof Saikat Mukherjee
Mr. Binoy Das
Mr. Souradeep Bhowmick
Dr. Ksh Milan Singh
Mr. Anderson Rapsang

Men's Table Tennis (Open Singles)

Prof. Paonam Sudeep Mangang
This achievement reflects the dedication, sportsmanship, and team spirit of our faculty and staff participants, who have represented NIT Meghalaya with pride on a national platform.

Heartiest congratulations to all the winners and participants for their hard work and outstanding performance. We wish them continued success in future sporting events. We also extend our sincere gratitude to our Hon'ble Director for his encouragement and support, which played a vital role in motivating the team and enabling this success.

Inter NIT Football Tournament in NIT Jamshedpur

Date: Oct 4th to 6th 2025

The students of NIT Meghalaya participated at the Inter NIT Football Tournament in NIT Jamshedpur from Oct 4th to 6th 2025.



Badminton Team NITM



Football Team NITM

Inter NIT Badminton Tournament in NIT Surathkal

Date: 9th to 11th January 2026

The students of NIT Meghalaya participated at the Inter NIT Badminton Tournament in NIT Surathkal from 9th to 11th January 2026.

Intra NIT Football Tournament 2026

Date: 28 February 2026 – 1 March 2026

Venue: 28 February 2026 – 1 March 2026

The Intra NIT Football Tournament was organized to promote sportsmanship, teamwork, and healthy competition among students of the institute.

The Intra NIT Football Tournament witnessed enthusiastic participation from students across the institute. Students from various academic programs including B.Tech., M.Tech, M.Sc., and Ph.D. actively participated in the tournament. The event saw strong engagement from both men's and women's teams, promoting teamwork, sportsmanship, and healthy competition.

Results

Men's Category Winner: Joga Bonito (M.Tech 1st Year), Runner-up: Crusaders (B.Tech 2nd Year)

Women's Category Winner: Kick and Hope (B.Tech 1st, 2nd and 3rd Year), Runner-up: Side Quest United (B.Tech 4th Year)



Winning Team NITM, M.Tech 1st Year



Runners-up Team NITM, B.Tech 2nd Year

Science Exhibition on the Occasion of National Intergration & Youth Leadership Camp

Date: 28th to 30th December 2025

Venue: Assam University Silchar

The students of NIT Meghalaya participated at the Science Exhibition on the Occasion of National Intergration & Youth Leadership Camp 28th to 30th December 2025 Assam University Silchar Organized by Central Calcutta.

Participating members:

- Sachitananda Mishra, PhD Scholar, ME department, P25ME005
- Pawan Kumar, PhD Scholar, ME department, P25ME001
- Abhijit Kachary, M.tech, CSE department, T24CS022
- Sohansagar Singha, M.tech, CSE department, T24CS008
- Kunal Das, B.tech, ME department, B24ME003
- Ruhul Amin, B.tech, EC department, B25EC014



Smippets of the Exhibition

National Financial Literacy Quiz (NFLQ) – NISM

Participant: Arush Raman, Nazia Hasan Sekih

Institution: NIT Meghalaya

Event: National Financial Literacy Quiz (NFLQ) organized by National Institute of Securities Markets

Arush Raman from NIT Meghalaya showcased an outstanding performance in the prestigious National Financial Literacy Quiz conducted by the National Institute of Securities Markets (NISM).

In the initial stage, Arush demonstrated exceptional financial awareness

and analytical ability by securing a remarkable score of 94/100, successfully qualifying for the Zonal Round. Building on this strong foundation, he advanced to the **Regional Level**, where he participated in the online preliminary round and earned a place in the highly competitive **Stage Round**.

The Stage Round proved to be challenging, with intense competition from top institutions across the region. Representing NIT Meghalaya, Arush Raman was joined by his teammate Nazia Hasan Sekih.

The team delivered a commendable performance, securing 135 points and finishing 3rd in their respective stage round. Notably, due to their high score, the team was ranked among the top two highest-scoring third-placed teams, which earned them qualification for the National Semi-Finals.

The National Semi-Finals were held at the NISM Patalganga Campus in Mumbai. Competing at this national level, the NIT Meghalaya team once again demonstrated strong knowledge and composure.

Although they were unable to qualify for the finals, their performance remained highly commendable, with very narrow margins separating them from the finalists.

The journey of Team NIT Meghalaya in the NFLQ reflects dedication, financial acumen, and competitive spirit. Reaching the National Semi-Finals at a prestigious platform like NISM is a significant achievement and brings pride to NIT Meghalaya.

Exposure visitation of Students from different Schools at NIT Meghalaya Campus

- PM SHRI School JNV West Khasi Hills (10 & 11 November 2025)
- Vidya Bharti School Assam (1st to 4th December 2025)
- Seva Bharati Kamakhyanagar Charitable Dharmik Trust, Adingiri. Sankardev Nagar, Maligaon, Guwahati (8th to 11th December 2025)



Visitation of School students

INTRA NIT CRICKET TOURNAMENT 2026

The Intra NIT Cricket Tournament 2026 was successfully held on the 7th and 8th of March, bringing together enthusiastic participation and competitive spirit from students across batches. A total of 10 boys' teams and 4 girls' teams took part in the tournament, which followed a knockout format. Each match was played with great energy, showcasing teamwork, skill, and sportsmanship.

In the boys' category, the Third Year B.Tech team emerged as the champions after a series of impressive performances. The First Year B.Tech team secured the runner-up position, putting up a strong fight throughout the tournament.

In the girls' category, both the Fourth Year and Third Year B.Tech teams delivered outstanding performances and were declared winners, highlighting their excellent coordination and determination on the field.

The tournament was a grand success, fostering unity, enthusiasm, and a healthy competitive environment among the students.



Cricketers of NITM

NIT Meghalaya Celebrates National Youth Day



National Youth Day at NITM

Swami Vivekananda's birth anniversary is observed every year on 12th January as National Youth Day, commemorating his timeless message of youth empowerment, self-belief, discipline, and nation-building.

This year, on the auspicious occasion of the 164th birth anniversary of Swami Vivekananda, it is proposed to organize a nationwide youth outreach program titled "Run for Swadeshi (Swadeshi Sankalp Run)" on 12th January 2026.



National Youth Day at NITM

One Day UAV Seminar and Design Challenge 2025

Organized by Entrepreneurship Cell NIT Meghalaya in collaboration with Institute Innovation Council (IIC) and Student Activity Centre(SAC)

Objective of the Event

The main objective of the one-day UAV seminar and design challenge is to promote innovation in

Unmanned Aerial Vehicle (UAV) technology by engaging students in designing solutions that can

support national defence and strategic operations. It brings together students, researchers and

innovators to:

- Conceptualize, design and present UAV solutions that might benefit the Indian armed forces.
- Bridge the gap between academia, research, and the defence sector.
- Create awareness about emerging UAV applications such as surveillance, disaster management, logistics, and strategic operations.
- Provide a platform for presenting UAV design ideas before industry and defence experts.



One Day UAV Seminar and Design Challenge



Inaugural ceremony of the seminar

Event overview

The UAV Design Challenge & Seminar 2025 was organized successfully at the Sohra Campus of NIT Meghalaya by the Entrepreneurship Cell (E-Cell), in collaboration with the Institution's Innovation Council (IIC) on the 13th November at the Senate Hall.

The event began with a formal inaugural ceremony, followed by an expert seminar highlighting the role of UAVs in India's evolving defence landscape.

Shortlisted teams presented their concepts, models, or prototypes before a panel of experts from defence, aerospace, and industry.

The event was structured to encourage students to think beyond academics, develop prototypes or pitch decks, and help refine their presentations with constructive guidance and expert feedback. The event concluded with the Result Declaration and the official commencement of the UAV Design Challenge.

Special feature

- Hybrid Format: Participate both online and offline.
- Expert Insights: Talks by HAL and NESAC specialists on UAVs and defence applications.
- Design Challenge: Present UAV concepts, prototypes, or pitch decks.
- Interdisciplinary Teams: Encourages collaboration across multiple fields.
- Mentorship and Recognition: Expert feedback, cash prizes, certificates, mentorship and incubation opportunities through project SUNRAY and E-Cell NIT Meghalaya

Guest and evaluators

The event featured a panel of experienced mentors and evaluators who critically assessed the participants' ideas, recognising strengths while providing constructive feedback for improvement. Each pitch was evaluated based on the following judging criteria:

- Innovation and Originality
- Technical Feasibility and Design Quality
- Relevance to Defence Applications
- Presentation and Clarity of Thought



Glimpse of the seminar



Guests of the seminar

We were privileged to host distinguished personalities whose presence added immense value to the event:

1. **Dr. Saumakanti Guha**, serves as the General Manager

at Hindustan Aeronautics Limited (HAL), India's pride in aerospace and defence manufacturing. Dr. Guha brings a wealth of experience in aeronautical engineering, research and innovation in military aviation, and has been instrumental in advancing HAL's vision of technological self-reliance.

2. **Dr. Chirag Gupta** is a Scientist (Sci/Engr-SE) in the Satcom & UAV Division of the North Eastern Space Applications Centre (NESAC), Shillong. In his role, Dr. Gupta works on satellite applications, remote sensing, and UAV technology for scientific, developmental, and strategic purposes in the region.

Dr. Gupta's expertise in integrating space-based remote sensing with aerial technologies contributes to NESAC's mission of leveraging advanced technology for regional development, disaster response, and capacity building in the North East.

Participation and performance

- Total number of registered participants: 98
- Total number of shortlisted teams: 14
- Format: 5 minutes pitch presentation followed by Q&A and feedback

Sl. no.	College Name	Team Members
1.	KR Mangalam University	Lakshay Aggarwal
2.	Birla Institute of Technology Pilani	Shakshi Sinha
3.	The Bombay Flying Club College of Aviation and Vidyavardhini's College of Engineering and Technology	Mangesh Sutar and Saiesh Sutar
4.	I.K. Gujral Punjab Technical University Main Campus	Devesh Kaushal
5.	National Institute of Technology Andhra Pradesh	Mathews Lathish
6.	Alliance University (AU) and Symbiosis Centre for Management and Human Resource Development (SCMHRD)	Sriya and Ameya Nandkishor Rathi

Sl. no.	College Name	Team Members
7.	National Institute of Meghalaya Technology	Bhabishya Paudel
8.	Dwarkadas J. Sanghvi College of Engineering, Mumbai	Kevin Savla and Dev Parikh
9.	MKSSS's Cummins College of Engineering for Women (CCOEW), Pune	Prachi Dashrath
10.	FORE School of Management (FSM), New Delhi	Chirag Sharma and Chirag Garg
11.	Thiagarajar College of Engineering (TCE), Madurai	Suvaasini V
12.	Sanjivani college of engineering, Kopergoan	Kunal Gokul Bankar and Team
13.	Thapar University	Aditi Khanna
14.	GLA University (GLAU), Uttar Pradesh	Nishu and Team

Top three teams:

Sl. no.	College Name	Team Members
1.	National Institute of Meghalaya Technology	Bhabishya Paudel
2.	Dwarkadas J. Sanghvi College of Engineering, Mumbai	Kevin Savla and Dev Parikh
3.	MKSSS's Cummins College of Engineering for Women (CCOEW), Pune	Prachi Dashrath

Event Highlights

- Students displayed strong creativity, problem solving skills, and presentation abilities.
- Mentors shared valuable insights on the feasibility of its use in defence applications, geographical aspects, significance of drones, and financial modeling.
- The event promoted an innovative and collaborative atmosphere among students and mentors.

Key Outcomes of the Activity

1. Skill Development: Improved presentation, problem-solving skills, technical knowledge,

2. Mentor Interaction: Mentors provided key insights into the industry practices, design
3. Industry and Academic Connections: Built meaningful connections with UAV mentors
4. Institutional Branding: Highlighted NIT Meghalaya as a center for cutting-edge innovation and industry awareness among students. challenges, and real world feasibility. and professionals. and technology.
5. Awareness and Inspiration: The event motivated students to engage with and experiment in the field of emerging technologies.



Participants of the seminar



Students presenting their ideas

Media & Documentation

Logos Used: Both IIC and NIT Meghalaya logos were displayed on all communication materials (posters, banners, social media posts).

This initiative also enabled NIT Meghalaya to expand research opportunities and foster collaborations in the field of UAV and drone technologies. Overall, the event reinforced NIT Meghalaya's position as a center for innovation and technological development, while inspiring students to continue exploring and experimenting with emerging UAV technologies, thereby nurturing the next generation of innovators in aerial systems.



Felicitation of Guests

Conclusion

The One Day UAV Seminar and Design Challenge 2025 successfully promoted innovation, hands-on learning, and collaboration among students and researchers in Unmanned Aerial Vehicle (UAV) technology and its potential applications in national defence. Participants had the opportunity to present their ideas to defence and aerospace experts, gaining exposure to the latest UAV technologies, strategies, and industry practices.



Presentation of students

Photo Walk to Shella, Cherrapunji

Organized By: Photography Club

Date of Event: 14 March 2026

Location: Shella, near Cherrapunji, Meghalaya, India

Number of Participants: 98



Shella, near Cherrapunjee

The Photography Club organized a photo walk to Shella near Cherrapunji on 14 March 2026. The event aimed to provide club members and students with practical exposure to outdoor photography and an opportunity to capture the scenic beauty and cultural landscape of the region.

Objectives of the Event

- To enhance the practical photography skills of students.
- To provide hands-on experience in landscape and nature photography.
- To encourage creativity and visual storytelling among participants.
- To promote teamwork and collaboration within the club.

Event Activities

Participants gathered in the morning and traveled together to Shella, a picturesque



Scenic beauty of Shella

village known for its lush greenery, rivers, and serene natural surroundings. During the photo walk, participants explored different areas including village pathways, riverbanks, hanging bridge, viewpoints, and nearby natural landscapes. Members captured photographs focusing on landscape photography, nature scenes, village life, and candid moments.

During the photo walk, participants captured numerous photographs highlighting the scenic beauty of Shella and the surrounding areas. These images included landscapes, rivers, village scenes, and candid shots of participants engaging in photography activities.

The photo walk to Shella was a successful and enriching event that allowed participants to enhance their photography skills while appreciating the natural beauty of the Cherrapunji region.



Hanging bridge in Shella

One Day Educational Tour Industrial Visit to Umiam Stage-I Hydroelectric Power Plant

The visit helped bridge the gap between theoretical knowledge and practical application. Concepts such as hydroelectric power generation, turbine operation, voltage transformation, and grid integration became much clearer after observing the actual equipment in operation. It also highlighted the importance of renewable energy sources in meeting the growing power demand while minimizing environmental impact.



3rd year students of EE department



Group photograph

The Department of Electrical Engineering, National Institute of Technology Meghalaya organised a One Day Educational Tour Industrial Visit to Umiam Stage-I Hydroelectric Power Plant, under Meghalaya Energy Corporation Limited (MeECL), on 28th February 2026 (Saturday), for the B.Tech 3rd Year (6th Semester) EE students.

The feedback received from the students were appreciative and positive, and in which they expressed that the visit to the Umiam Stage-I Power Plant was an enriching and informative experience, and that it provided firsthand exposure to the functioning of a hydroelectric power station and deepened their understanding of power generation systems in general. They also emphasised that it helped them connect classroom learning with real-world engineering practices.



Students observing the site



Students studying the equipments

Two-day Workshop and Kavi Sammelan on the theme “Rajbhasha Hindi: Importance and Useful Steps for Effective Implementation”



Felicitation of the expert by the Director

The Hindi Cell of National Institute of Technology Meghalaya successfully organized a two-day Workshop and Kavi Sammelan on the theme “Rajbhasha Hindi: Importance and Useful Steps for Effective Implementation” on 05–06 March 2026. The programme aimed to promote awareness regarding the significance of Rajbhasha Hindi and to explore practical measures for its effective implementation in official and academic activities.

The workshop witnessed active participation from faculty members, officers, staff, and students of the Institute. The sessions were enriched by the presence of eminent experts, including Shri Jagdish Ram Pauri, Former Director (Rajbhasha), Ministry of Education, Government of India; Shri Upendra Pandey, noted poet and Member of the Hindi Advisory Committee, Ministry of Finance; and Shri Devanand Das, Assistant Director (Implementation),

Regional Implementation Office (North-East), Guwahati. Their insightful deliberations provided valuable guidance on policy frameworks, administrative practices, and strategies for enhancing the use of Hindi in official work.

The technical sessions focused on key aspects such as constitutional provisions, implementation mechanisms, challenges in usage, and best practices for promoting Hindi in institutional functioning. Participants actively engaged in discussions, making the sessions interactive and outcome-oriented.

A major highlight of the programme was the **Kavi Sammelan** held on the first day, which added a vibrant literary dimension to the event.



Felicitation of Shri Jagdish Ram Pauri by the Registrar



Felicitation of guests by the Director

The poetic recitations not only showcased the richness of Hindi literature but also fostered a deeper cultural connection among the participants. Overall, the programme was conducted successfully and achieved its intended objectives.



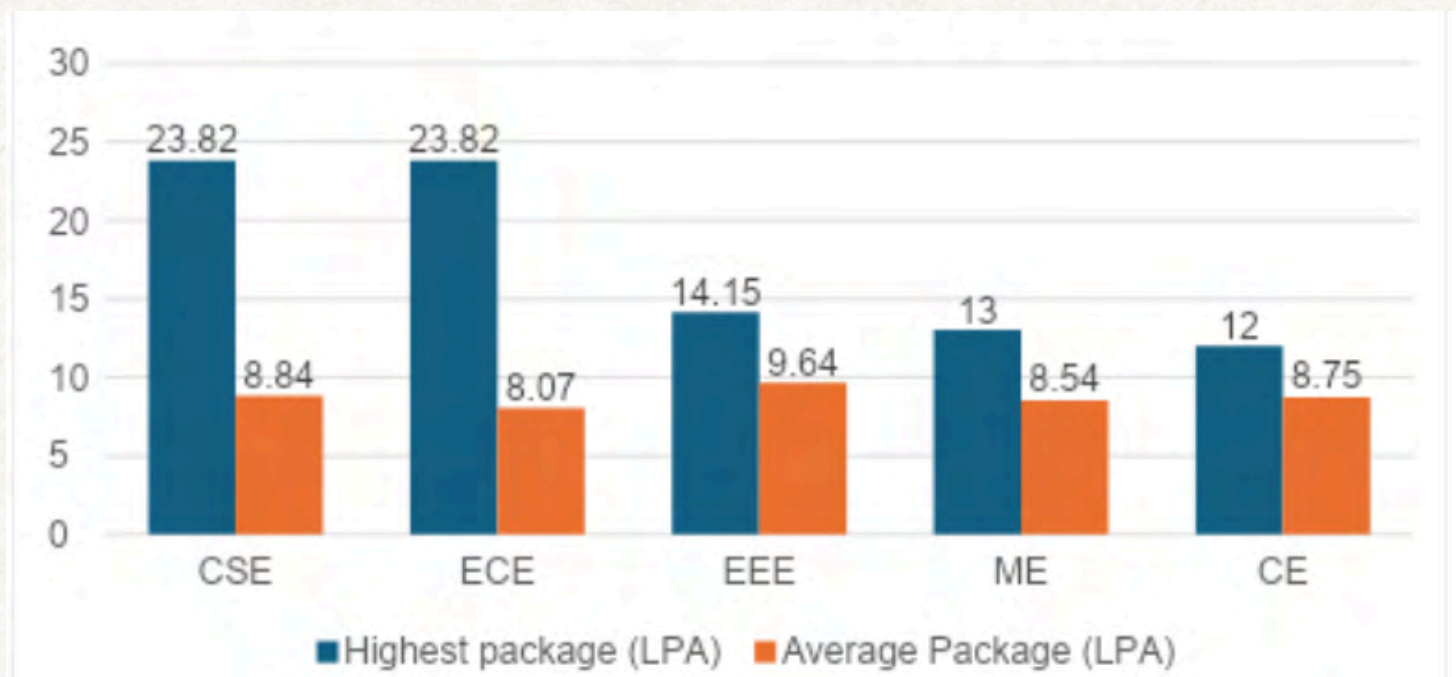
Glimpse of the workshop

It served as a meaningful platform for knowledge exchange, capacity building, and cultural enrichment, reinforcing the Institute's commitment to the promotion and effective implementation of Rajbhasha Hindi.



Participants of the workshop

CENTRE FOR CAREER DEVELOPMENT

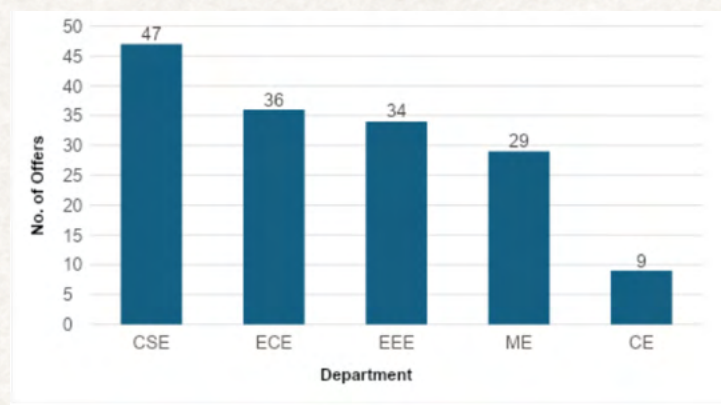


2026 Graduates: Branch wise Package (LPA)

The Centre for Career Development (CCD) at NIT Meghalaya acts as a strategic link between academic learning and professional employment. Its primary goal is to produce ethically grounded, high-performing leaders for the global workforce.

Core Mission & Impact

- **Holistic Development:** Focuses on leadership, professional excellence, and ethical integrity.
- **Industry-Academia Link:** Connects students with top-tier domestic and international corporate houses.
- **Economic Contribution:** Supplies skilled manpower to fuel national and global economic growth.



No. of job offers secured by 2026 B.Tech

Key Operational Functions

- Full-Time Placements: Facilitates job opportunities for final-year students across all programs (B.Tech, M.Tech, M.Sc., and Research Scholars).
- Short-Term Internships: Coordinates industry exposure for students in their 2nd, 4th, and 6th semesters.
- Long-Term Internships: Manages extended internship programs specifically for the final-year batch.
- Skill Enhancement: Conducts specialized workshops focused on employability and professional skills.
- Career Guidance: Provides counseling and workshops to help students align their personal aspirations with industry expectations.

		
Lawanbanshan Kupar Lyngdoh (CSE) has secured job offer from BP with Rs. 23.82 LPA.	Gunnu Lavanya has secured job offer from JPMorgan Chase & Co. with Rs 19.75 LPA	Samiksha Deb (CSE) has secured job offer from ServiceNow with Rs. 18.67 LPA.
		
Ayush Raj has secured job offer from ZS Associates with Rs 14.15 LPA	Om Prakash Yadav has secured job offer from Vedanta Resources with Rs 13 LPA	Aman Singh Rathore has secured job offer from HCL Software with Rs 12 LPA

Top Performers of 2026 Graduate Btech

THE TEAM



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OUR RECRUITERS

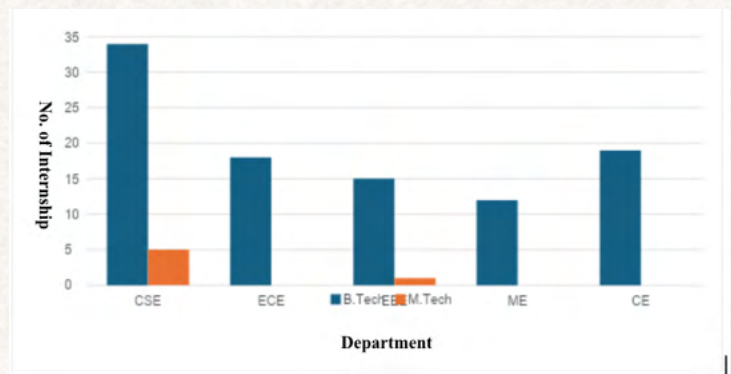


National Institute Of Technology Meghalaya

Placement Brochure | 24

INTERNSHIP

Internship NIT Meghalaya lays a strong emphasis in grooming technocrats for the corporate sector of today. Internships are an integral part of the course curriculum to impart real-life work situations and hands on experience to all the students. To successfully provided internship facilities to the students of the Institute over the years to make them industry-ready. Long term Internship (6 Months to 12 Months): The institute encourages long-term internships for UG and PG students. Several students have been approved to undertake these internships both within India and abroad.



Long term internship details of the academic year 2025-2026

List of the Internship Companies

<p>A AgriBid Aviz Networks Amazon</p> <p>B Bharat Sanchar Nigam Limited(BSNL) BHEL-HPVP BNP Paribas India Solutions Pvt. Ltd. BHEL, Vardhan Consulting Engineers Business Web Solutions ByteLearn EdTech Pvt. Ltd.</p> <p>D DRDO DevRev DST-SERB Funded Project, Department of Mechanical Engineering, NIT Meghalaya Dimeser</p> <p>E Electronics & Communication Dept., SOT, NEHU Eduskill Electronics Corporation of India Limited</p> <p>F Ficha Fine Edge Fantek</p> <p>G GAP Inc Grohub GHADAI</p>	<p>J Jacobs Jai-kisan Jal nigam (Rural) barabanki</p> <p>L Larsen & Toubro Ltd LinkedIn</p> <p>M Manipal University Jaipur Mazagon Dock Shipbuilders Limited Meghalaya Energy Corporation Limited(MeECL) Meghalaya Energy Corporation Limited, Tool Room and Training Centre, Guwahati</p> <p>N NIT Raipur North Eastern Electric Power Corporation LTD (NEEPCO) North Eastern Space Applications Centre, Umiam NANDIGHOSH RoadX Motors Pvt Ltd NTPC Sipat NTPC SIPAT, Bihar State Power Transmission Company Limited NTPC Sipat, TRTC Guwahati, PWD Tura NTPC SIPAT, Vardhan Consulting Limited, Tool Room and Training Centre, Guwahati NTPC Unchahar and VCE</p> <p>I IIT BHU, Varanasi India Indian Institute of Technology Guwahati Indian Oil Corporation Limited, Guwahati (IOCL) iNeuron Inforob Automation Internshala Training InTown Solutions</p>	<p>P Phillips Pocket FM POSOCO (NERLDC) Public Health Engineering (PHE), Williamnagar PWD jowai & Tool room and training centre, Guwahati PWD, Shillong and NEEPCO, Shillong PWD(Roads), Shillong South Division, Shillong Parentune</p> <p>S SMEC Solar Secure Solutions Studio Gloom Surveyaan brand of Nibrus Technologies</p> <p>T TATA Advanced Systems Limited Tata Consultancy Services (TCS) Tata projects TIMAD Tata Motors Thales Tool Room and Training Centre, Guwahati TS TRANSCO Tsaaro</p> <p>U Unlox</p> <p>V Vardhan Consulting Engineers Virtually Testing Foundation Visakhapatnam Steel Plant</p>
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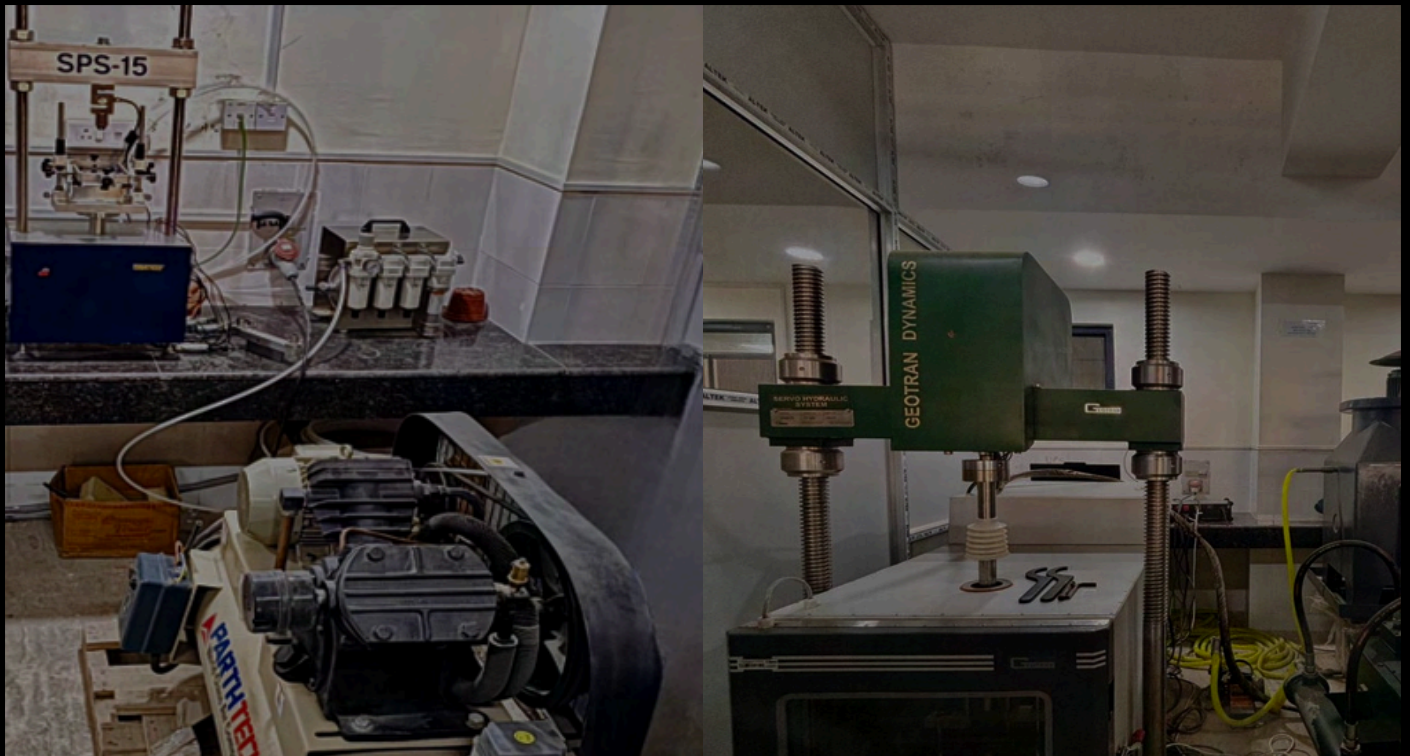
Partnership with YourDOST



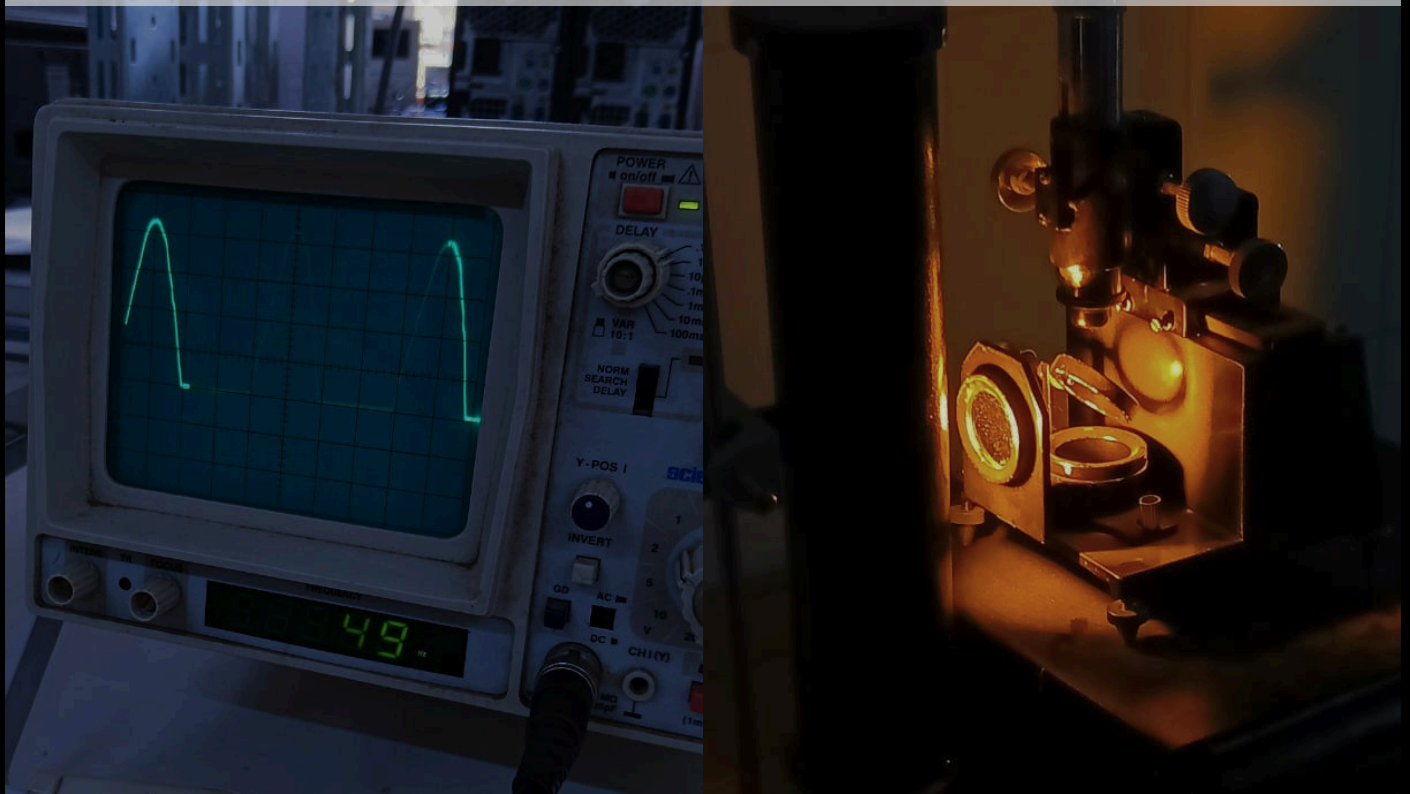
Director of NIT Meghalaya with the chief Guest

In a significant development, the institution has signed a Memorandum of Understanding (MoU) with YourDOST Health Solutions Pvt Ltd, a leading online emotional wellness platform. This partnership allows students to access confidential and professional counseling services through the YourDOST platform, ensuring that support is available anytime and anywhere. It offers access to over 1,000 experienced emotional wellness experts who communicate in more than 20 languages through web and mobile platforms, ensuring complete privacy.

The collaboration also includes the organization of webinars and other programs aimed at promoting mental well-being among students. We are glad to share that the MOU has been successfully renewed on 27 March 2026, reaffirming our commitment to continued cooperation and future endeavours together.



RESEARCH AND DEVELOPMENT



Publications

Journal Articles

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- T. Maity, A. Mondal, J.Samanta, P. Saha, S. Majumdar and G. Srivastava, “ RealTime Soil Hydration Assessment and Monitoring Model for Smart Agriculture with IoT Integration ” IEEE Sensor Journal (Accepted) Q1
- S. Das, T. Maity, A. Mondal, J.Samanta, P. Saha, S. Majumdar and G. Srivastava, “ Next Generation Intelligent Prediction Model for Real-Time Soil Nutrients Monitoring in Sustainable Farming ” IEEE Sensor Journal (Accepted) Q1
- H. Kumari, A. Paul, G. Bhargava, and S.Majumdar “APD–SSPP: Enhancing Linearization of Power Amplifier Using Spoof Surface Plasmon Polariton Propagation ” Microwave and Optical Technology Letters (Wiley) Vol 67 (10), e70409 October 2025.Q3
- Kingshuk Roy and Sanjoy Debbarma. 2026. “A Data-Driven Framework for Grid Frequency Regulation Leveraging Aggregated Flexibility of Heterogeneous Resources Considering Network Delays,” IET Energy Systems Integration: e70039. <https://doi.org/10.1049/esiz.70039>.
- P.V. Rajesh Varma, Shaik Affijulla, “Unified rigid factor based reliability assessment towards reinforcement of electrical substations”, Results in Engineering, Volume 30, 2026, 110093, ISSN 2590–1230, <https://doi.org/10.1016/j.rineng.2026.110093>.

- Roohi Choudhury attended a workshop and presented a poster in the National Workshop on Fluorescence and Raman Spectroscopy (FCS XVI) held at Saha Institute of Nuclear Physics, Kolkata, from 7th to 10th December, 2025.
- Badavath, N., Sahoo, S., Chakraborty, R. et al. Landslide susceptibility mapping for East Khasi Hills district of Meghalaya, India, using frequency ratio and statistical index method. *Sādhanā* 50, 284 (2025). <https://doi.org/10.1007/s12046-025-02944-2>

Conference Papers

- S. Goneguntla, G. S. Boppudi, N. K. Vemula, P. Mishra and K. K. N, “Performance Evaluation of Inverter–Fed Autonomous Microgrids under Uniform and Non-Uniform Delays Using Internal Model Control,” 2025 11th International Conference on Power Systems (ICPS), Hyderabad, India, 2025, pp. 1–6, doi: 10.1109/ICPS67276.2025.11364935.
- N. Maisnam, M. Loukrakpam, S. Affijulla, and K. M. Singh, “Design and analysis of coreless double–D coil for dynamic wireless power transfer in electric vehicles under misalignment,” in 2025 IEEE 4th International Conference on Smart Technologies for Power, Energy and Control December 10–13, 2025, NIT Goa, India (Accepted for Publication)
- M. Loukrakpam, N. Maisnam, P. P. Singh, and K. M. Singh, “High–efficiency integrated inductive–capacitive wireless charging for electric vehicles,” in 2025 IEEE 4th International Conference on Smart Technologies for Power, Energy and Control December 10–13, 2025, NIT Goa, India (Accepted for Publication) (Accepted for Publication)
- N. Rani, S. Das and S. Gupta, “Solution of stochastic Dynamic economic load dispatch problem using Pelican Optimization Algorithm” in 2025 IEEE 4th International Conference on Smart Technologies for Power, Energy and Control December 10–13, 2025, NIT Goa, India (Accepted for Publication)

Publications

Conference Papers

- H. Kumari, A. Paul, S. Majumdar “A High-Efficiency Diplexer-Based Compact and Wideband Power Amplifier for 5G/6G Front-Ends”, 6th International Conference on Electric Power and Renewable Energy (EPREC-2026)
- H.Kumari, A. Paul, S. Majumdar “Reconfigurable Triple-Path Matching Network for Wide-Band and High-Efficiency Power Amplifier ” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- A.Paul, M. Biswas, H. Kumari, S. Majumdar“A Novel Silicon-Duroid Microwave Sensor for Classification of Volatile Organic Compounds” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- M. Biswas, A.Paul, H. Kumari, S.Majumdar“Microwave Testing of n-Ga₂O₃/p-Si Diodes via RF Sputtering for High-Frequency Applications” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- I. Karmakar, A.Chauhan, K. Singh, S. Majumdar, P. Kundu “Design of High-Throughput MMIC Parallel-Combined Power Amplifier for 5G Applications” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025 Accepted
- H. Weerasooriya, K. S. Karunanayake , B. Gayanath, A. Madanayake, S. Majumdar“A Testbed on Xilinx RF-SoC for Data-Driven RF Power Amplifier AI/ML-Model Development” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- A. Madanayake, K. S. Karunanayake, R. Hacker, C.U. S. Edussooriya, S. Majumdar, L. Belostotski, R. Rodrigo“A Case for Agentic Transceivers in Physical AI-RF Circuits and Systems” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- Landslide susceptibility mapping of East Khasi Hills, Meghalaya, using GIS-based logistic regression method, A. Tarafdar, S.R. Satapathy & R. Chakraborty; In proceedings of 1st Geotech Asia International Conference 2025, 7-10 October 2025, Goa.
- Application of GIS-based Logistic Regression for Landslide Susceptibility Mapping in Gajapati District, Odisha: A Case Study,Satapathy S R, Tarafdar A & Chakraborty R; In proceedings of 1st Geotech Asia International Conference 2025, 7-10 October 2025, Goa.
- V.G. K. Davala, M. R. Medagam, S. Goswami, and A. Dandapat, “Risc-v based modular alu framework: Simulation of complete isa and fpga based alu operation implementation,” in 2025 International Conference for Women in Computing (INCOWOCO 2025), 2025, pp. 1-6.
- S. Goneguntla, G. S. Boppudi, N. K. Vemula, P. Mishra and K. K. N, “Performance Evaluation of Inverter-Fed Autonomous Microgrids under Uniform and Non-Uniform Delays Using Internal Model Control,” 2025 11th International Conference on Power Systems (ICPS), Hyderabad, India, 2025. (Accepted)
- H. Kumari, A. Paul, S. Majumdar “Reconfigurable Triple-Path Matching Network for Wide-Band and High-Efficiency Power Amplifier ” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- A. Madanayake, K. S. Karunanayake, R. Hacker, C.U. S. Edussooriya, S. Majumdar, L. Belostotski, R. Rodrigo“A Case for Agentic Transceivers in Physical AI-RF Circuits and Systems” , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- Pradhan M, Das K, Das RS. Performance improvement of transient heat and mass transfer in a solar-assisted liquid desiccant regenerator: an experimental study and system-level modelling. Applied Thermal Engineering. 2025 Dec 5:129379.

Publications

Conference Papers

- Prakash, Vijay, Bikash Kumar Sarkar, Paladugu Venkaiah, and Amitava Chatterjee. "Damping Sinusoidal Reaching Law based Integral Terminal Sliding Mode Control for A Small Wind Turbine with Blade Geometry Effect." In 2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), pp. 1–6. IEEE, 2025.
- J. Talukdar, Malvika, B. Muralidharan, Performance Analysis of a TFET based MoS₂ Photosensor at Cryogenic Temperatures" international Workshop on the Physics of Semiconductor Devices 2025 (IWPSD 2025)
- Gyanda Kaushal, Badal Soni and Nurul Amin Choudhury , ""A Multi-Scale CNN-GAU Spatio-Temporal Feature Learning Model for Inertial Sensor-Based Fall Detection"" , 2026 IEEE Guwahati Subsection Conference (GCON) . Guwahati, India (Accepted)"
- J. M. Devi, B. K. Debnath, R. S. Das, and B. Das, "Biochar integration in biomethanation process: Addressing limitations and unlocking performance gains," Bioresource Technology Reports, vol. 33, Art. no. 102512, Accepted 28 December 2025, doi: 10.1016/j.biteb.2025.102512.
- A.Paul, M. Biswas, H. Kumari, S. Majumdar "A Novel Silicon-Duroid Microwave Sensor for Classification of Volatile Organic Compounds" , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- H. Weerasooriya, K. S. Karunanayake , B. Gayanath, A. Madanayake, S. Majumdar "A Testbed on Xilinx RF-SoC for Data-Driven RF Power Amplifier AI/ML-Model Development" , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- Prakash, Vijay, Bikash Kumar Sarkar, Paladugu Venkaiah, and Amitava Chatterjee. "Damping Sinusoidal Reaching Law based Integral Terminal Sliding Mode Control for A Small Wind Turbine with Blade Geometry Effect." In 2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), pp. 1–6. IEEE, 2025.
- Malvika, P.Singh, B. Manna, J.Talukdar, Trap-Induced Transport and Electrostatic Effects in Gate-Underlapped MoS₂ Negative Capacitance TFET, International Conference on Intelligent Processing, Hardware, Electronics and Radio Systems (CIPHER-2026).
- I. Karmakar, A.Chauhan, K. Singh, S. Majumdar, P. Kundu "Design of High-Throughput MMIC Parallel-Combined Power Amplifier for 5G Applications" , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025 Accepted
- S. Ganguly and N. J. Singh, "HybridNet: A High-Accuracy Attention-Based Lightweight CNN for UAV-Based Aerial Disaster Image Classification," 2025 13th International Conference on Intelligent Systems and Embedded Design (ISED), Raipur, India, 2025, pp. 561–568, doi: 10.1109/ISED67359.2025.11405138.
- Susmita Sharma, Pranamee Baruah, Sonia Raj Gurung, Abhishek Kumar, Akhil Sanadhya, Paul N. Gopal (2025) Experimental study on Characteristics and Behaviour of Local Soils reinforced by recycled plastic fibre strips, International Conference on "Natural Disaster: Risk Analysis, Management and Mitigation", NIT Silchar, India.
- Nurul Amin Choudhury, Gyanda Kaushal and Badal Soni (2026). An Efficient Hybrid Deep Learning-Based Automatic Feature Engineering and Classification Framework for Smartphone Sensor-Based Human Activity Recognition System. In: Kumar, S., Janghel, R.R., Soni, B., Fiore, U. (eds) Artificial Intelligence for Next Generation Computing, Volume 1. AICTA. Lecture Notes in Networks and Systems, vol 1549. Springer, Singapore. https://doi.org/10.1007/978-981-95-0701-6_30
- M. Biswas, A.Paul, H. Kumari, S. Majumdar "Microwave Testing of n-Ga₂O₃/p-Si Diodes via RF Sputtering for High-Frequency Applications" , 2025 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON), Kochi, India, 2025. Accepted
- Jagritee Talukdar, Malvika, Bhaskaran Muralidharan, Performance Analysis of a TFET based MoS₂ Photosensor at Cryogenic Temperatures, XXIII International Workshop on the Physics of Semiconductor Devices 2025 . December 15–18, 2025 (Accepted & presented)

Publications

Conference Papers

- Badavath N. and Sahoo S. (2025). "Landslide Susceptibility Mapping of Ri-Bhoi District, Meghalaya, India Using Artificial Neural Network". Indian Geotechnical Conference, NIT Jalandhar, India, December 18–20.
- Neelkantha M., Badavath, N. and Sahoo, S. (2025). "Remote sensing and GIS-based landslide susceptibility mapping for National Highway (NH 6) using a statistical method". Indian Geotechnical Conference, NIT Jalandhar, India, December 18–20.
- Samal, Rasmiranjan and Sahoo, Smrutirekha (2025). "Dynamic Stability Analysis of Bamboo grid Reinforced slope under seismic Excitations". Indian Geotechnical Conference, NIT Jalandhar, India, December 18–20.
- Jagritee Talukdar, Malvika, Basab Das, Kavicharan Mummaneni, Tunnel Field Effect Transistors: Harnessing Light Sensitivity for Optical Sensing, Handbook of Advanced Semiconductor Field Effect Transistorss Pages 169–182, Publisher: John Wiley & Sons, Inc.
- Malvika, Jagritee Talukdar, Bijit Choudhuri, Kavicharan Mummaneni, Unleashing the Potential of Negative Capacitance Field Effect Transistors: A Paradigm Shift in Low-Power Electronics, Handbook of Advanced Semiconductor Field Effect Transistorss, Pages: 73–88, Publisher: John Wiley & Sons, Inc.
- Malvika, Ashutosh Srivastava, Jagritee Talukdar, Rajan Singh, Prabhat Singh, and Jami Venkata Suman Emerging Transition Metal Dichalcogenides (TMDCs) in Semiconductor Design A Path to Next-Generation Electronics, Classical to Quantum Transport in Multi-Dimensional Field Effect Transistors, CRC Press, Taylor and Francies

Book Chapters

- Goswami, H. M. Kalita, Two dimensional depth averaged boundary fitted numerical model for open channel flow simulation, Page Nos. 1–14, Hydraulics and Fluid Mechanics Vol. 2, Springer, ISBN No 978–981–97–8895–8, 2025
- "Bishal Chhetry, Nurul Amin Choudhury, Rajkumar Joydev Borah, Pranab Das, ""Predicting Multi-Label Functions Associated with Drugs from Amino Acid Sequences Using Extra Tree Classifier"" in Book Insight and Innovation: A Multidisciplinary Perspective, ISBN: 978–81–989252–6–8, 2026."

Books

- Swathisha, P & Deb, S. (2026). Commercial Sex Workers in India: Addressing Legal, Health, and Social Issues. Springer. DOI: <https://doi.org/10.1007/978-981-95-3365-7>
- Signals and Systems: An Introduction for Communication Engineering by Prabir Saha, Shubhankar Majumdar, Vishnu Murty Tammineni.
Link:
<https://www.amazon.com/dp/999934108X>

Delivered Talks

- Invited talk by Jagritee Talukdar in the 5-Day Online International Workshop on “Women in Engineering: Exploring emerging technologies for a smarter future”, Organized by the WIE, IEEE Subsection Silchar Subsection. A joint program by NIT Manipur and NIT Silchar held from December 1 –5, 2025
- Mitul Kalita delivered an oral presentation in the 9th International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2025) organized by the Centre of Nanotechnology, IIT Guwahati, Assam held from 12th-14th December, 2025.
- Mitul Kalita delivered an oral presentation in the International Conference on Chemistry in Multidisciplinary Research (ICCMR-2026) organized by the Department of Chemistry, Nagaland University, Lumami held from 18th-20th February, 2026.
- Dr. Kaushik Takukdar: Delivered an invited lecture at the 19th Theoretical Chemistry Symposium (TCS) held at IIT Bombay, Mumbai, India (2025).
- Delivered an invited talk by Dr Sanjoy Debbarma on the topic “Flexibility Trading from Local Energy Communities for Grid Balancing” on 11th February 2026, in five days Short Term Course cum FDP on Application of AI & ML on Renewable Energy and EV Technologies (AAMREET -2026) during 7 – 11 March 2026 organised by the Dept. of Electrical Engineering, NIT Rourkela.
- Dr. Surmila Thokchom delivered a talk as resource person in the MeitY-ISEA Phase III-sponsored Second Faculty Development Programme / Faculty Upgradation Programme (FDP/FUP) on “Security Concerns in SDN, IoT, Healthcare, and 5G/6G Networks” on 28th Jan 2026 organised by department of Computer Science and Engineering, Tezpur University.
- Dr. Atanu Singha Roy: 2nd International Conference on Advanced Materials and Manufacturing (ICAMM 2.0).
- Dr. Nurul Amin Choudhury delivered an invited talk on “Wearable Sensors and Their Application (Human Activity Recognition)” on a 5-day Online Workshop on “Advances in Generative AI: Applications in Health Care and Climate Science,” scheduled from 23rd February to 27th February 2026, hosted by the Department of Information Technology, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar. Feb 2026
- Dr. Elsa Cherian chaired a session for the 6th International Conference FMS-PICITIM 2026 “Inclusive Transformation in Management: Leadership in a Digital Era” held on 27th and 28th February, 2026 organised by Faculty of Management Studies Parul University Gujarat, India in collaboration with Assumption University (Thailand) (27.02.2026-28.02.2026).

Delivered Talks

- Dr. Nurul Amin Choudhury delivered a session on “Wearable Sensors and Their Application (A Machine and Deep Learning Approach)” on Alumni Interaction and Mentorship Program at NIT Meghalaya (March 05, 2026)
- Dr. Surmila Thokchom delivered a talk as resource person in one week training program on Creation of an Efficient Scientific Document using Latex on 2nd and 3rd Feb 2026 organised by College of Post-Grad Studies in Agricultural Sciences (CAU Impahl), Umiam, Meghalaya.
- Dr. Nurul Amin Choudhury delivered a talk during the Hands-on Session on Sensor-based Human Activity Recognition on a 5-Day Online Workshop on “Advances in Generative AI: Applications in Health Care and Climate Science,” scheduled from 23rd February to 27th February 2026, hosted by the Department of Information Technology, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar. - Feb 2026
- Dr. Naba Kamal Nath delivered a lecture titled “Reimagining Molecular Crystals: Engineering Stimuli-Responsive Smart Materials” at the 12th National Conference on Recent Trends in Materials Science and Technology (NCMST-2025), held from 18 to 20 December 2025 at the Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala
- Prof Diptendu Sinha Roy delivered a session on “Using Artificial Intelligence for Multidisciplinary Research: An Introduction, Challenges and Pitfalls” in the five-day workshop on Ethical Use of AI in Research, organised by the Department of HS, NIT Meghalaya (31.10.2025-04.11.2025)
- Prof. Paonam Sudeep Mangang delivered a session on “Ethical Use of AI in Academic Research” “ in the five-day workshop on Ethical Use of AI in Research, organised by the Department of HS, NIT Meghalaya (31.10.2025-04.11.2025)
- Prof. Ayon Bhattacharjee delivered a session on “AI vs Me: The Challenge for Excellence” in the five-day workshop on Ethical Use of AI in Research, organised by the Department of HS, NIT Meghalaya (31.10.2025-04.11.2025)
- Dr. Swathisha P delivered a session on “AI and the Researcher’s Brain” in the five-day workshop on Ethical Use of AI in Research, organised by the Department of HS, NIT Meghalaya (31.10.2025-04.11.2025)
- Delivered an expert lecture by Dr Pemendra Kumar Pardhi on the topic “Power Electronics in Modern Illumination System” on 25th March 2026, organised by the Department of Electrical Engineering, SGSITS Indore.

Paper Presentations

- Prof. P. S. Mangang and Mr. Anirban Banerjee (2026) presented a Paper titled "Rhymes that Remem, Rhymes that Regulate: Cultural Memory and Social Control in Bengal" in the National Seminar on "The Decolonisation Project and Tribal Ethnic Identities in India through the Times", organized by the Department of Humanities and Social Sciences, NIT Silchar, Assam, sponsored by the Indian Council of Social Science Research, North-Eastern Regional Council (ICSSR-NERC); on the 28th and 29th March 2026.
- Prof. P. S. Mangang and Mr. Sardonyx Herald Myllemngap presented a Paper titled "Indigenous Negotiation with the Colonial Tongue: Orality, Landscapes and Decolonial Resistance in the Translated Poetry of U Soso Tham"." in the National Seminar on "The Decolonisation Project and Tribal Ethnic Identities in India through the Times", organized by the Department of Humanities and Social Sciences, NIT Silchar, Assam, sponsored by the Indian Council of Social Science Research, North-Eastern Regional Council (ICSSR-NERC); on the 28th and 29th March 2026.
- Karishma Baruah, and Dr. Elsa Cherian, secured BEST PAPER PRESENTER AWARD titled "Social Entrepreneurship and Sustainable Tourism in Northern India- A critical Review" at the 6th International Conference FMS-PICITIM 2026 "Inclusive Transformation in Management: Leadership in a Digital Era" held on 27th and 28th February, 2026 organised by Faculty of Management Studies Parul University Gujarat, India in collaboration with Assumption University (Thailand).
- Dr. Swathisha P (2026) presented a Paper titled "Online Self-Presentation and Mental Health Among Youth: The Application of Arkin's Self-Presentation Theory in the International Seminar on Positive Youth Development, organised by the Department of Applied Psychology, RGNIYD, Sriperumbudur, Tamilnadu on 26th and 27th March 2026.

Poster Presentations

- Krishnandu Dey: Presented poster on 19th Theoretical Chemistry Symposium (TCS) held at IIT Bombay, Mumbai, India (2025).
- Yadav Manju Siyaram: Presented poster on Spectroscopy and Dynamics of Molecules and Clusters (SDMC) 2026 organised by BITS Pilani, Pilani Campus and IIT Jodhpur, held between 19th to 22nd February 2026.
- Satabdi Debroy attended the workshop and presented a poster in 40th International Biomanthan Conference, December 4-7, 2025, IIT Ropar.
- Amarjyoti Mondal participated in the workshop and presented a poster in 40th International Biomanthan Conference, December 4-7, 2025, IIT Ropar.
- Roohi Choudhury attended a workshop and presented a poster in the National Workshop on Fluorescence and Raman Spectroscopy (FCS XVI) held at Saha Institute of Nuclear Physics, Kolkata, from 7th to 10th December, 2025.

Patents

- A Low-Cost Design Twig : Enhance RF Power Generation by G. Bhargava, H.K. Dewangan, P. Saha, S. Majumdar Application No. 202431092495, Patent Number :578397 (Status : Granted)
Granted Patent No. 578397

Projects & Consultancy

- The project titled “Seismic Performance Enhancement of Corroded RC Frames Using Buckling Restrained Braces”, with Dr. Needhi Kotoky serving as PI, has been recommended for funding under the ARG program with a proposed budget of around Rs. 78 lakhs on December 2025.
- As Principal Investigator, Dr. Sanjoy Debbarma has been granted a research project titled “Insights on Provision of Ancillary Services Through TSO–DSO Interaction Considering Cyber–Resilient Operation” by the ANRF, Government of India. The project is being carried out in collaboration with Dr. P. P. Singh and Dr. S. D. Roy as Co–Principal Investigators. With a sanctioned budget of ₹83.89 lakh and a duration of three years, the project focuses on enhancing coordination between Transmission System Operators and Distribution System Operators while ensuring cyber–resilient operation of modern power systems.
- Dr. P. K. Pardhi has completed a consultancy project entitled “Design and Development of Commercial Door Operator Drive” sponsored by CastNX Pvt.Ltd. on December 2025.
- Dr. S Sahoo, Dr. D Podder and Dr. R. Chakraborty have completed Testing of Cube sample required for Construction work of Eklavya Model Residence School at Mawmluh, Sohra, East Khasi Hill, Meghalaya by M/s. RK Fortune Developers Pvt. Ltd.
- Dr. S Sahoo, Dr. D Podder, Dr. K Das and Dr. R. Chakraborty have completed Testing of TMT Reinforcement Bars for Construction work of Eklavya Model Residence School at Mawmluh, Sohra, East Khasi Hill, Meghalaya by

PHD Awarded

Name: Ms. Namrata Govind Ambekar

Roll no: P22CS003

Supervisor: Dr. Surmila Thokchom

Thesis Title: "Study of Deep Learning Approaches for Intelligent Cyber Threat Detection and Classification".

ODE: 17/03/2026



Ms. Namrata Govind Ambekar



Mr. Madhusudan Naik

Name: Mr. Madhusudan Naik

Roll no: P21CS003

Supervisor: Dr. Akhilendra Pratap Singh

Thesis Title: Design Development and Performance Evaluation of Blockchain-Enabled Frameworks for Green Energy Applications

ODE: 05/02/2026

Name : Dhirendra Prasad Yadav

Roll no: P21CS008

Supervisor: Dr. Deepak Kumar

Thesis title: Hyperspectral Image Enhancement and Classification using Spatial Spectral Attention based Deep Learning Model

ODE: 16-02-2026



Mr. Dhirendra Prasad Yadav



Mr. Zeyauallah Ansari

Name : Zeyauallah Ansari

Roll no: P19ME008

Thesis title: Performance Enhancement And Design Optimization Of Shock Wave Assisted Needleless Drug Delivery Nozzle.

ODE: 13-02-2026

Name : SAIKUMAR PUPPALA

Roll no: P20EE003

Thesis title: Feasibility and Techno-Economic Analysis of Green Hydrogen-Integrated Microgrids for Empowering Remote Villages .

ODE: 03-02-2026



Mr. SAIKUMAR PUPPALA



Faculty & Student Achievements



- **Dr. Rajat Subhra Das** received the best paper award during the first session of the “International Conference on Advances in Mechanical and Aerospace Sciences (ICAMAS 2026)” organized by department of Mechanical Engineering, NIT Arunachal Pradesh during 10-12 March, 2026.



Dr. Rajat Subhra Das accepting the best paper award

- **Amarjyoti Mondal:** Best oral presentation award in the Industrial Academia and Research Conclave 2025 organized by the NIT Meghalaya during November 13-14, 2025.

- **Mr. Shubhamshree Avishek, P22ME005,** PhD Scholar from ME dept was honored with the Best Paper Award at the AMSET 2025 conference in Malaysia for the research titled, 'Numerical analysis and performance optimization of a flattened heat pipe with novel modified wick structure for CPU and GPU cooling.

- **Mr. Shubhamshree Avishek** secured the top spot in the Logo Design Competition organized by NIT Meghalaya’s Alumni and Industry Relations Club.

- **Athul Nath M. K.,** Research Scholar, was awarded the Best Poster Presentation Award in the Structural Engineering & Vernacular category at CESAFIESTA 4.0 – 2026 (21–22 February 2026), organized by IIT Ropar. The award was conferred in recognition of his research titled “Improving Earthquake Performance of Aged RC Frames with Buckling Restrained Braces”, carried out under the guidance of **Dr. Needhi Kotoky.**



Mr. Athul Nath M.K accepting the Best Poster Presentation Award

- The institute proudly recognizes **Mr. Shubhamshree Avishek**, who was honored with the Best Paper Award at the AMSET 2025 conference organized by Sunway University, Malaysia, for the research titled, 'Numerical analysis and performance optimization of a flattened heat pipe with novel modified wick structure for CPU and GPU cooling.'

- Manjay Kumar** (Batch: 2013–2017) has secured an outstanding All India Rank 3 in GATE 2026 (Mechanical Engineering). This remarkable accomplishment reflects his dedication, perseverance, and academic excellence. His success continues to inspire current students and the entire NIT Meghalaya community.



Mr. Shubhamshree Avishek



- Adding to the institute's creative accolades, **Mr. Shubhamshree Avishek** secured the top spot in the Logo Design Competition organized by NIT Meghalaya's Alumni and Industry Relations Club.

- Surendra Nath Barman**: Best poster presentation award in the Industrial Academia and Research Conclave 2025 organized by the NIT Meghalaya during November 13-14, 2025.

- Dr. Shubhankar Majumdar** became IETE FELLOW and Associate Editor of Engineering Reports (Wiley SCI Q2)

- Dr. Shravan Kumar Bnadari** became the Editor for Scientific Reports, Springer Nature.

Institute Information



Newly joined faculty from CSE department



Dr. Nurul Amin Choudhury joined the Department of Computer Science and Engineering at the National Institute of Technology (NIT) Meghalaya as an Assistant Professor. He previously served as an Assistant Professor in the School of Computer Science, UPES Dehradun.

He received his Ph.D. degree from the National Institute of Technology (NIT) Silchar, where his doctoral research focused on sensor-based Human Activity Recognition (HAR), deep learning architectures, and feature fusion frameworks for real-world healthcare applications.

His research interests include Human Activity Recognition, Federated Learning, Edge Intelligence, Healthcare AI, Wearable Sensor Analytics, and Explainable AI.

Newly joined faculty from EE department



Dr. Pratikanta Mishra has joined as an Assistant Professor in the Department of Electrical Engineering at NIT Meghalaya, Sohra, and previously served as an Assistant Professor at SRM University-AP.

He has one year of industry and research experience and five years of teaching experience. He received the B.Tech degree in Electrical and Electronics Engineering from Biju Patnaik University, Rourkela, in 2013, the M.Tech degree with specialization in Power and Energy Systems from NIT Meghalaya in 2017, and the Ph.D. degree in Power Electronics and Drives from NIT Meghalaya in 2021.

His research interests include electric vehicles, adjustable speed drives, special-purpose motor drives, power electronic converters, digital control, and control hardware architecture design.

Newly joined Adjunct faculty from EE department



Prof. Akshay Kumar Rathore has joined as an Adjunct Faculty in the Department of Electrical Engineering at NIT Meghalaya, Sohra. Prof Akshay Kumar Rathore is an IEEE Fellow and expert in power electronics and control of electric motor drives. He is currently a Professor in the Department of Electrical and Computer Engineering, National University of Singapore (NUS), Singapore. From November 2010 to February 2016, he served as an Assistant Professor at the Department of Electrical and Computer Engineering, National University of Singapore.

From March 2016-Dec 2021, he served as an Associate Professor at the Department of Electrical and Computer Engineering, Concordia University, Montreal, Canada where he was listed in the Provost Circle of Distinction in 2021. He served as Graduate Program Director and Chair of Graduate Awards during 2020-21. From Jan 2022 to June 2025, he served as a Professor and Programme Leader (Electrical Power Engineering) at Singapore Institute of Technology, Singapore.

Prof. Rathore is a distinguished expert in Power Electronics. He received the Gold Medal from IIT (BHU), Varanasi (2003) and completed his PhD from the University of Victoria, Canada (2008), followed by postdoctoral research in Germany and the USA.

He has received several prestigious honors including the IEEE Bimal Bose Award (2020), Nagamori Award (2021), and Distinguished Alumna Award from IIT (BHU) (2023). He has published around 300 research papers, including 110 IEEE Transactions papers, and holds an EU patent in multilevel inverter technology. He currently serves as Co-Editor-in-Chief of IEEE Transactions on Industrial Electronics, Distinguished Lecturer of IEEE Power Electronics Society, and editor of the book “Advanced Concepts and Technologies in Electric Transportation” (CRC Press, 2023).

Newly joined Staff in CE department



Name: Ms. Wandashisha Puwein

Designation: Technician

DOJ: 20.02.2026

Newly joined Staff in CS department



Name: Mr. Shabbir Ahmad

Designation: Technician

DOJ: 01.05.2025



Name: Mr. Sanjay Nath

Designation: Technician

DOJ: 06.05.2025



Name: Mr. Banshanlang Rani

Designation: Technician

DOJ: 16.05.2025

Newly joined Staff in EC department



Name: Mr. Hrishikesh Goswami

Designation: Technician

DOJ: 28.04.2025

Newly joined Staff in EE department



Name: Mr. Manbhalang Lyngdoh

Designation: Technician

DOJ: 16.07.2025



Name: Mr. Nihal Suman

Designation: Technical Assistant

DOJ: 13.10.2025

Newly joined Staff in ME department



Name: Mr. Nitish Kumar Choudhary

Designation: Technician

DOJ: 01.08.2025

Newly joined Staff in PH department



Name: Dr. Mahesh Ram

Designation: Technical Assistant

DOJ: 02.03.2026

Newly joined Staff in CBS department



Name: Mr. Wanrahjengkmen Marwein

Designation: Technician

DOJ: 02.03.2026

Newly joined Staff in Est. Section



Name: Mr. Amey Tyagi

Designation: Superintendent

DOJ: 05.03.2026

Newly joined Staff in Dean (FW) Office



Name: Mr. Rajnish Kumar Mishra

Designation: Junior Assistant

DOJ: 09.05.2025

Newly joined Staff in Finance & Accounts Section



Name: Ms. Jessica Eva R. Nongbri

Designation: Junior Assistant

DOJ: 05.05.2025

Newly joined Staff in Dean (R&C) Office



Name: Mr. Gautam Kumar

Designation: Superintendent

DOJ: 01.09.2025

Newly joined Staff in Student Activity Centre



Name: Mr. Anderson Rapsang

Designation: SAS Officer

DOJ: 06.03.2026

Featured Articles



T-LDet: enhancing landslide detection using transformer-driven approach in Mawiongrim, Meghalaya, India. *Int. j. inf. tecnol.* (2025)
by

N.G. Ambekar , S. Thokchom, & S. Sahoo

Published in: International Journal of Information Technology, 2025/12/20

Key Highlights:

Intense rainfall-induced landslides provide significant dangers to human habitation and infrastructure in hilly regions. The precise and prompt identification continues to pose a significant problem due to the intricate interaction of geological and environmental elements. This work presents a Transformer-based Landslide Detection model (T-LDet) for the real-time prediction of rainfall-induced slope failure. The proposed model employs the transformer architecture to efficiently capture temporal correlations among rainfall, soil moisture, hydrogeological, and landscape characteristics. T-LDet, applied to data from the active landslide zone of Mawiongrim, Meghalaya, India, demonstrates superior predicted accuracy and reduced error metrics compared to traditional machine learning models. The findings confirm T-LDet as a dependable foundation for real-time landslide prediction and early warning systems.

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DOI: <https://doi.org/10.1007/s41870-025-02945-8>

https://link.springer.com/epdf/10.1007/s41870-025-02945-8?sharing_token=DWLL3KkmGF6y7EPWlhSvzPe4RwlQNchNBji7wbcMAY6MX_vrl-e92Xo3F8CmUtZiKoFNe8EMvC6_5KCUf2JCOBo69_YbRI8SgRwk9Tq6iA5hVHqoO7mj._yNpQ8oa-xsoaKm-qalTv8zgUuVSTVr956xNtoHUfNkoJ1oCFqgKPPQ%3D

[Download citation](#)

Students' Creativity

QUOTE:

" Apni galtiyon ko swikar karo ,
Isbar har gye toh koshish agli bar karo,
Atal rho aur mehnat har bar karo,
Lakshya ko chunauti bnao aur jeet ka samundar par karo,
Ateet se sikho aur vartmaan me sudhar karo,
Isbar na sahi agli bar Vijay tum muskura ke swikar karo.. "

~Nihal Tiwari, MCA



SHORT STORY

Touching The Infinite Horizon ...

It was some eighteen & a half long years ago that I held the hands of science or perhaps SCIENCE held my tiny hands. I was very small then & the natural phenomena around me attracted me a lot. Twinkling of stars, rising & setting of the Sun & what not! Yes, I had made a great friendship with Science but it may be funny for you to know that I was unaware of the fact that my friend's name was Science. By the way, to make someone a good friend, it is not so important to know one's friend's name. The fact that matters in a strong bond of friendship is that both in the relationship trusts each other. And we both did so. The word SCIENCE was a commonly used word as it is today. I would stare at my elders & used to think what it could be, something that is intangible! I often heard my elders saying "SCIENCE is developing at a great pace and is at it's pinnacle.

New technologies are being developed to bring more out of nature". I then understood that SCIENCE is something which is related to nature. As I was interested in nature, so I thought of naming my friend as "SCIENCE". So now, Science was the name of my dear friend. A splendid name right?

It was the day that I received my new books for class 1. I had learnt to spell words correctly by then, easy words of course. To my utter surprise, I found my friend's name written in bold green alphabets on the cover page of one of my books. I was very happy to see my friend's name on my book. There I got to learn a little about the organs & their function, plant & its parts, etc. When I had to visit a doctor, I would look at everything in the chamber very carefully. I loved the stethoscope the most. I would love the way the doctor placed the stethoscope on my chest. I would carefully look at the way the doctor pushed the piston in the syringe & so on. My grandmother would say that I had to be a doctor & had to treat her. She said that doctors could save lives. I decided to be a doctor & was certain that I would definitely save lives of many. But my grandmother did leave me soon. My aim was cancelled. My mother said that she had become a star. I struggled so hard to find her as a star in the night sky. But I failed every time to identify her in the huge sky among the thousand other stars. I knew that space researchers also studies about stars. So this time, I boldly decided to be such a researcher & find my grandmother in the huge sky. Later, I came to know that people do not become a star after death. But this time, this aim was not cancelled. By this time, I came to know about the constellations, the Ursa Major & Minor, the Orion, the Gemini, etc. I came to know about the rotations & revolutions of planets & many such things. When I grew a little more, my subject Science was divided into Physics, Chemistry & Biology. Among these three parts, I liked Physics the most. When I reached class 9, I was fascinated by knowing the facts about gravitational attraction & Newton's laws. And these found a place in my heart. And it was the time that I fell in love with PHYSICS. A year later, when I studied about reflection & refraction of light, I became more interested in Physics. And then, I decided that I have to travel with Physics lifelong. I took the decision boldly that I have to be a researcher in the field of Astrophysics; I have to unveil the secrets of nature & have to travel in the infinite space.....

The rainbow shares colours

The planets rotate & revolve

What is it that governs it all?

How come there are infinite spaces in the space!

I propagate with my greatest velocity

To unveil it all.....

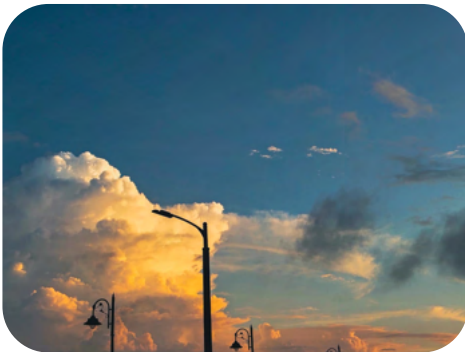
~Senorita, PhD 1st year, Physics

Students' Creativity

बिदाई

छोटे छोटे हाथों से बनता है परिवार
आंगन में आई है एक बड़ा सा सनीबार
चूल हुई है समय के अर्पण से
भूल जायेंगे इस समय के तर्पण से
आग से जूड़ा रहम से बनी इतवार
अनर्थ मिलाप से जुड़ा है यह बुधवार,
आंगन में आई है एक बड़ा सा सनीबार (२)..
रबीबार में आया है वृक्ष बजनदार,
जख्मों में आई है चढाव से उतार,
जो न सुने इस गानों के आलाप,
भूल जायेगा वोही समशीर से तलवार,
आंगन में आई है एक बड़ा सा सनीबार (२).

~Sachitananda Mishra,
P25ME005



~Harish Meena, B24CE027

Thought of the Quarterly Month

“Success is not final, failure is not fatal: it is the courage to continue that counts.”

— *Winston Churchill*

Translation in Khasi

“Ka jingjop kam dei kaba kut, bad ka jingrem kam dei kaba pynjot; hynrei ka jingshlur ban bteng shakhmat ka long kaba kongsan.”

— *Winston Churchill*

Translation in Hindi

“सफलता अंतिम नहीं होती, असफलता घातक नहीं होती; आगे बढ़ते रहने का साहस ही वास्तव में मायने रखता है।”

— *Winston Churchill*

Upcoming Events



2026 IEEE North-East India International Energy Conversion Conference and Exhibition
(NE-IECCE 2026)



12th to 14th June 2026

Organised by Department of Electrical Engineering
National Institute of Technology Meghalaya, Saitsohpen, Sohra (Cherrapunjee)
East Khasi Hills District, Meghalaya – 793108, India

IEEE NE-IECCE 2026

12th - 14th June, 2026



Institute Day 2026
1st April, 2026



Cognitia 2026
9th - 11th April, 2026



**International Conference
on
Intelligent Systems and Network Computing
(ICISNC-2026)**

ICISNC 2026
9th - 10th July, 2026

**International Conference on
Measurement of Energy
ICME 2026**

Organized by
राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
**NATIONAL INSTITUTE OF TECHNOLOGY
MEGHALAYA**

CONFERENCE DATE
07 - 09 OCT 2026

in association with
**INTERNATIONAL MEASUREMENT
CONFEDERATION (IMEKO) - TC20
&
METROLOGY SOCIETY OF INDIA (MSI)**

Venue
NIT MEGHALAYA
Saitsohpen, Sohra - 793108,
Meghalaya, India

ICME 2026
7th - 9th October, 2026

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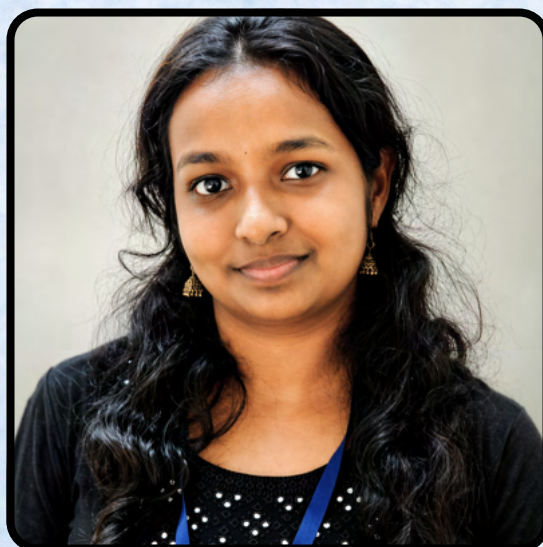


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