



NIT Meghalaya

MEGH-DARPAN

NITM @ July, 2025



Contact us

**National Institute of Technology Meghalaya
Saitsohpen, Sohra (Cherrapunji), East Khasi
Hills District-793108, Meghalaya, India**



National Institute of Technology Meghalaya

(An Institute of National Importance)

Megh-Darpan

INSTITUTE MAGAZINE

NIT MEGHALAYA

FOURTH Edition

JULY, 2025



Institute Activities

Celebrating Fun, Unity, and Energy: CSE Department at Institute Day 2025

As part of the vibrant Institute Day 2025 celebrations at NIT Meghalaya, the Department of Computer Science and Engineering brought a unique blend of fun, laughter, and community spirit through a series of engaging events on campus. With an aim to foster camaraderie among students, faculty, and staff, the department hosted light-hearted yet exciting games such as Tambola and the classic Spoon Race, making the event a memorable one.



Fun activities organized by CSE Department as a part of Institute Day 2025.

The atmosphere was charged with enthusiasm as participants from across the department gathered to unwind and bond beyond classrooms and labs. The Tambola game saw spirited participation, with numbers being called out amid cheers and lucky wins. Participants eagerly waited to strike off their tickets and call out the winning words—"Early Five," "Full House," and more. The element of surprise and chance kept everyone on their toes, making it one of the highlights of the day.

Equally thrilling was the Spoon Race, a game that brought out the playful side of everyone involved. With a spoon held carefully between lips or balanced delicately in hand, contestants raced with eggs or marbles, trying their best not to drop them. The combination of skill, balance, and laughter brought joy to both participants and onlookers.

The celebration concluded with a Prize Distribution Ceremony where the winners of the day's events were honored for their enthusiasm and sporting spirit. Trophies, certificates, and small goodies were awarded to the winners and runners-up of each event by faculty members of the department. The prize distribution wasn't just about acknowledging victories but also about celebrating the shared joy of participation.

NIT Meghalaya Hosts 5th International Conference on Intelligent Systems and Machine Learning

The Department of Computer Science & Engineering proudly hosted the 5th International Conference on Intelligent Systems and Machine Learning (ICISML 2025), bringing together leading minds from across the globe. Held on the picturesque NIT Meghalaya campus, the conference stood as a testament to the growing impact of Artificial Intelligence and Machine Learning in diverse domains.

A total of 117 technical papers were presented, covering a spectrum of topics ranging from machine learning applications in healthcare and agriculture to IoT innovations. The conference hall buzzed with intellectual exchange as scholars and researchers from countries including the UK, Germany, Slovakia, Nigeria, France, Bangladesh, Serbia, Singapore, Kuwait, Syria, Dubai, Canada, and many more shared their groundbreaking work.



Inauguration of 5th International Conferences on Intelligent Systems and Machine learning ICISML 2023

The inaugural ceremony was graced by Prof. Laxmidhar Behera, Director of IIT Mandi, who served as the Chief Guest. In his keynote address, Prof. Behera highlighted the transformative power of AI and machine learning in shaping the digital future, inspiring young researchers to push the boundaries of innovation.

Prof. Pinakeswar Mahanta, Director of NIT Meghalaya, emphasized the real-world impact of machine learning, particularly its potential in revolutionizing agriculture and enhancing productivity across sectors.

Adding further prestige to the event, Prof. Deepak Kumar, Head of the Department of Computer Science & Engineering, NIT Meghalaya, was present to support and encourage the enthusiastic gathering.

Dr. Sachi Nandan Mohanty, General Chair of the 5th D ICISML, offered a comprehensive overview of the

conference highlights and statistics, underscoring the event's international appeal and academic rigor.

The conference concluded on a note of gratitude with a formal vote of thanks by Dr. Ngangbam Herojit Singh, who expressed heartfelt appreciation to the presenters, participants, and the dedicated internal organizing team for their tireless efforts in making ICISML 2025 a resounding success.

ICISML 2025 not only provided a vibrant platform for cutting-edge research dissemination but also strengthened global collaborations, reaffirming NIT Meghalaya's commitment to academic excellence and innovation in intelligent systems.

Invited Talk at CSE, NIT Meghalaya by Prof. Sheli Sinha Chaudhuri on

“Dehazing Reimagined: Bridging Classical Insights with Artificial Intelligence.”

The Department of Computer Science and Engineering at NIT Meghalaya recently had the privilege of hosting an invited talk by Prof. Sheli Sinha Chaudhuri from the Department of Electronics and Telecommunication Engineering, Jadavpur University, Kolkata. The session, titled “Dehazing Reimagined: Bridging Classical Insights with Artificial Intelligence,” offered a refreshing perspective on the challenges and innovations in the field of image dehazing.

Image dehazing is a critical task in computer vision, particularly for enhancing visual clarity in real-world scenarios such as autonomous driving, aerial surveillance, and remote sensing.



**Group Photo of Faculty, students of CSE
Department with Prof. Sheli Sinha Chaudhuri**

While traditional methods rely on physics-based models and handcrafted priors, the advent of artificial intelligence has opened new pathways for more adaptive and data-driven solutions. In her talk, Prof. Chaudhuri explored how these two paradigms—classical and AI-based—can complement each other to develop more effective and interpretable dehazing techniques.

Prof. Chaudhuri emphasized the importance of understanding the underlying physical processes that cause haze in images and demonstrated how integrating these insights with machine learning frameworks leads to models that are not only accurate but also more transparent and robust. The session was particularly insightful for students and researchers working in the areas of computer vision, image processing, and AI, offering them both theoretical foundations and practical directions for future exploration.

Prof. Sheli Sinha Chaudhuri is known for her contributions to image processing, pattern recognition, and AI-driven visual systems. She has published extensively in reputed journals and international conferences and is actively engaged in guiding research in cutting-edge areas of visual computing.

Shishir 2025

The Annual Cultural Festival of NIT Meghalaya

Dates: April 3rd – 5th, 2025

Venue: Saitsohpen, Cherrapunjee, East Khasi Hills, Meghalaya

Shishir 2k25, the Annual Cultural Festival of NIT Meghalaya, was a vibrant celebration of diversity and talent, attracting participants and attendees from across the nation. The festival featured a wide array of events across various clubs, fostering creativity, camaraderie, and cultural exchange.



Panache

Panache gives participants the spotlight to own the ramp and express themselves through fashion and flair



Shimmer

As part of the Annual Cultural Fest- Shishir, team shishir organized this event to provide a welcoming platform to the freshers to showcase their talents and creativity.

Along with these, competitive events like Krigg and Box Cricket kept the sports spirit alive and drew loud cheers from the audience. The informal zone featured Fun Events such as Gun Shooting, Dart Shooting, and Buzz Wire Challenge, adding a playful edge to the festival.



Tug of War

The Gaming Arena brought an adrenaline rush with esports battles, including Free Fire and Valorant tournaments that saw enthusiastic participation.



Students battling it out in the Gaming Arena during SHISHIR 2025

Music Club



Symphony

A musical showcase inviting soloists, groups, and instrumentalists to bring their musical magic to the stage across diverse categories.

Battle of the Bands

An ultimate clash of musical talent where college bands lit up the stage with their unique sounds, promising a high-energy showdown of passion and performance.



Instrumental

Literary Club

Conducted Several Events such as Open Mic, Jam Chat, Treasure Hunt, Doodle Art Competition, Literary Quiz Competition

Dance & Drama Club



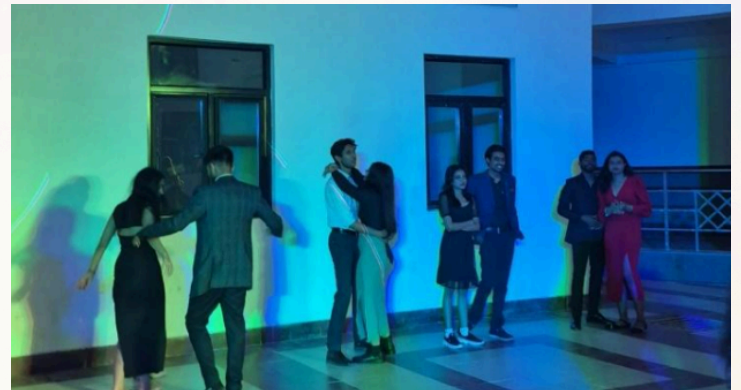
Flash Mob



Step-Up



Traditional Dance Competition



Prom Night



Drama Play

Photography & Fine Arts Club



Art Battle



Art Battle

EBSB Club



Cultural Exhibition



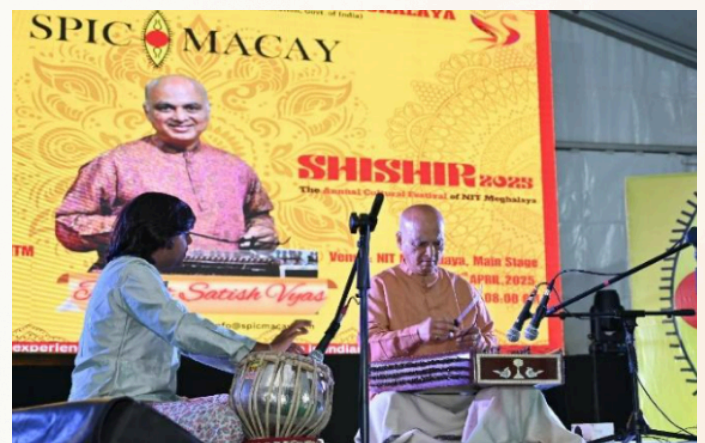
Food Fest

A culinary feast of delectable delights where taste met tradition in every bite.

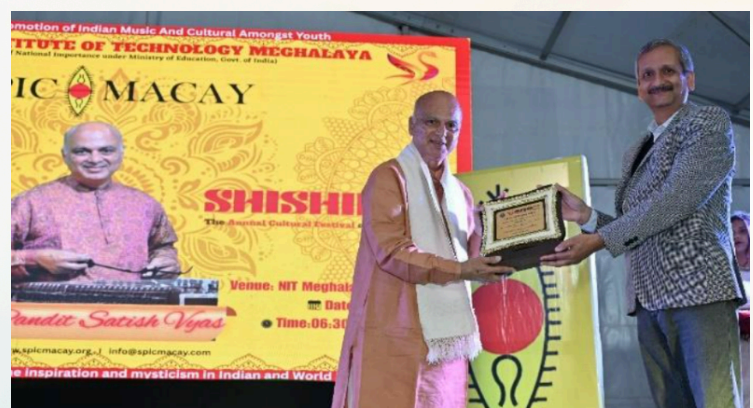
SPIC MACAY

The highlight of the evening was a mesmerizing Santoor recital by the renowned maestro Pt. Satish Vyas, accompanied on the Tabla, which captivated the audience with its soulful ragas and rhythmic intricacies. The program not only provided a platform for experiencing the timeless traditions of Indian classical arts but also inspired young minds to connect with the essence of India's cultural roots.

SPIC MACAY, a voluntary movement across India, continues to nurture awareness and appreciation of classical art forms among the youth. Its collaboration with SHISHIR 2025 added immense value to the festival, blending tradition with the vibrant spirit of the campus.



Pt. Satish Vyas performing Santoor at SHISHIR 2025



Felicitations of Pt. Satish Vyas by Dr. Bhaskarjyoti Chakravarty, Registrar, NIT Meghalaya

Programme on Toxic Relationships

Conducted by: Counselling Centre

Conducted on: 09. April.2025 & 11. April.2025

Students participated: 147

The lecture was conducted by the counsellors on the 9th of April and the 11th of April at the allotted classrooms. This lecture was conducted to spread awareness on toxic relationships and the harmful impacts they can have on an individual.

Program Overview: This program is designed to help individuals understand the dynamics of toxic relationships, recognize red flags, accept rejection in a healthy way, and ultimately learn how to leave a toxic relationship for their well-being. It will also include an interactive session, providing participants the opportunity to engage, ask questions, and reflect on their personal experiences.



Group Photo of Counselors with the participating students

Session 1: Understanding Toxic Relationships

Objective: To define what constitutes a toxic relationship.

To explore how toxic relationships affect mental, emotional, and physical well-being.

Session 2: Identifying Red Flags

Objective: To recognize the early warning signs of a toxic relationship.

Session 3: Rejection Acceptance and Self-Worth

Objective: To understand how rejection is a normal part of life and how to handle it in a healthy way.

To rebuild and strengthen self-worth after experiencing rejection.

Session 4: How to Get Out of a Toxic Relationship

Objective: To provide practical steps on how to leave a toxic relationship safely and healthily.



Students attending programme on Toxic Relationships

Interactive Session:

Objective:

- Provide participants with the opportunity to ask questions, share experiences, and reflect on the content.
- Facilitate open discussion and provide real-time support.



Interactive Session with students

Outcome: Through the lecture and the activity conducted the students were clear on what toxic relationships are, identifying red flags, accepting rejection and how toxic relationships can affect their health and their overall well being.

INNOVATENITM 2025: Showcasing Student Excellence in App Development

The **Coding Club** under the **Student Activity Centre (Technical)** successfully organized the **INNOVATENITM 2025 App Design Competition** at NIT Meghalaya from **April 4 to April 12, 2025**. The event drew enthusiastic participation from students across B.Tech, M.Tech, M.Sc., and Ph.D. programs, providing a dynamic platform to apply their creativity and technical knowledge to real-world challenges.

Participants were invited to design applications aligned with critical societal and institutional themes. These included areas such as women's safety, health monitoring, campus utilities, and more, encouraging students to develop innovative and impactful solutions with practical relevance.



Felicitations of Team Bumble Bee by Director

The competition unfolded in three structured phases:

1. **Idea Submission** – Participants submitted abstracts outlining their proposed app solutions.
2. **Prototype Development** – Teams transformed their concepts into working models.
3. **Final Presentation** – Selected teams showcased their apps before a panel of academic and industry experts.

Entries were evaluated based on innovation, feasibility, UI/UX design, relevance to the theme, presentation, and functionality. Esteemed panelist Mr. Yengkhom Ranjan Singh, Scientist E, CDAC (Govt. of India), joined the judging panel, offering valuable industry insights.



Felicitations of Nova Nexus by Director

Among the standout entries, the following teams earned top honors:

- **Winner:** Team Bumble Bee
Members: Abisek Dahal (Team Leader), Pushpak Das, Rasel Mandol
- **1st Runner-Up:** Team Nova Nexus
Members: Jishnu Duhan (Team Leader), Charity Rymbai, Shashank Umar Vaishy

Additionally, awards for Best UI/UX and Most Innovative App were presented to recognize exceptional design and creativity.

The successful conduct of INNOVATENITM 2025 not only highlighted the technical talent within the institute but also reaffirmed NIT Meghalaya's commitment to fostering innovation, collaboration, and experiential learning among its student community.

Industrial Visit for the 3rd year B.Tech. Mechanical engineering students (6th semester) on 25th April 2025 at IOCL Guwahati refinery, Noonmati

An industrial visit cum educational tour was organized for the 3rd year B.Tech. Mechanical Engineering students (6th semester) of NIT Meghalaya on 25th April 2025 to the IOCL Guwahati Refinery, Noonmati.

The students were accompanied by two faculty members, one staff and one research scholar. The program commenced at the Workshop, where personnel demonstrated the working of compressors and valves, along with an introduction to the different workshop sections and their functions. A guided refinery tour provided insights into crude oil processing, its products and byproducts, and the overall functioning of IOCL. A detailed presentation by the Officer (Learning & Development) highlighted the refinery's operations, followed by an interactive question-answer session. The fire safety team demonstrated hazard management, while information on internship opportunities was also shared. The visit concluded with the presentation of a memento to the L&D Officer. This first visit from NIT Meghalaya's permanent Sohra campus proved to be highly enriching and memorable.



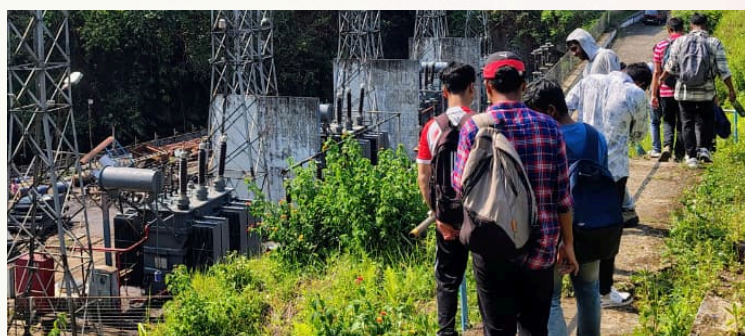
Group photo in front of the L&D Centre, IOCL, Guwahati refinery



Handing over a token of appreciation to IOCL, Guwahati refinery

Practical Exposure to Hydroelectric Power Generation at Uiam Power Station for 4thsem B.Tech Students on 10th May 2025

An educational industrial visit was organized on 10 May 2025 for the 2nd-year B.Tech. Mechanical Engineering students of NIT Meghalaya to the Uiam Hydroelectric Power Station. The visit was accompanied by one professor and a research scholar. The Uiam project, managed by the Meghalaya Energy Corporation Ltd. (MeECL), is a major hydroelectric system operating on the Uiam and Umtru rivers. Established in 1965, it has expanded into multiple stages (Uiam I–IV) and continues to play a vital role in electricity generation for the state, highlighting the importance of renewable energy in sustainable development.



Glimpse of the Visit at Hydroelectric Power Generation, Uiam Power Station

The visit began with an introduction by station engineers, who explained the project's history, significance, and technical aspects. Students were given insights into hydroelectric generation processes such as water intake, penstock design, turbines, and generators. They also observed the working of Francis turbines, generator units, and transformers used for stepping up voltage before grid transmission. Engineers further discussed load dispatch, grid integration, and environmental considerations in operating hydro projects.

A presentation followed, covering operational challenges, maintenance practices, and safety measures. Internship opportunities with MeECL were also highlighted, encouraging students to gain hands-on training in the future. The session concluded with a Q&A interaction and a token of appreciation presented to the officials. Overall, the visit provided students with practical exposure to hydroelectric power generation, complementing classroom learning and enhancing their understanding of renewable energy systems.

5th International Conference (INC-2025), Leadership in the Digital Era: Driving Change and Building Resilience

Three faculty members of the department, Dr Shaoni Shabnam, Dr Elsa Cherian, and Dr Swathisha. P attended the 5th International Conference (INC-2025), Leadership in the Digital Era: Driving Change and Building Resilience, conducted by Parul University on April 12, 2025. The conference aimed to explore the evolving role of leadership in a rapidly changing digital landscape and provide a platform for intellectual exchange among researchers, academicians, industry professionals, and students worldwide.



**Group Photo: Faculty Members of HS
Department at INC-2025**

Dr Shaoni Sabnam and Dr Elsa Cherian were session chairs in the 5th International Conference.



**Felicitation of the faculty members of HS
Department**

Internship Program



**Group Photo: Students of Parul University, in
frame with Director, NITM and Faculty of HS
Department**

The Department of Humanities and Social Sciences, National Institute of Technology Meghalaya, hosted an Internship program for the students of Parul University. All the faculty members of the department took part in mentoring 11 interns from Parul University. The faculty members guided the interns on the topics Effective Soft Skills in Crisis Management, Unlocking Business Potential: A Market Study of Sohra Oranges: Explores Entrepreneurial Opportunities and Growth Strategies, Issues of Health Management: A Survey of CHCs in the Sohra Region, and Managing Tourism Sector: A Case Study of Cherrapunjee.

Industrial Visit of the Interns

The interns had industrial visits to Don Bosco Museum, NEIGRIHMS, Indian Institute of Management Shillong, and Ward's Lake from 9th June 2025 to 10th June 2025. Apart from the theoretical knowledge and digital information available to the interns, along with proper guidance from the mentors with different specializations, the interns were introduced to the ground realities of their research and findings. The visits to different parts of Meghalaya opened interactions and knowledge sharing among the professionals

Day1: Cultural Understanding and Healthcare System Exposure



Visit to Don Bosco Museum – An Insight into North-Eastern Culture

The students were introduced to the indigenous people's lifestyles, traditional costumes, crafts, musical instruments, agricultural practices, and housing styles. The museum's curation presented the socio-cultural evolution of the region, instilling a deeper appreciation for cultural diversity and heritage preservation.



Group Photo at: NEIGRIHMS – Healthcare Operations, Technology, and Systems Learning

The interns were warmly welcomed in the guest house, followed by an educational tour by the Dean, a senior specialist in the Radiology Department, who explained how management students and professionals from various specializations could find relevant and impactful roles within the healthcare industry. The visit provided a comprehensive look into hospital

infrastructure, technology integration, hygiene systems, and inter-departmental coordination. It broadened the perspective on healthcare administration and the evolving need for management skills in the health sector.

Day 2: Management Exposure and Cultural Reflection

The interns were introduced to the faculty members, who shared a broad overview of the institution's ethos, curriculum, and focus areas. This was followed by an interactive session with members of the Student Council. The session was followed by a campus tour where the interns explored the library, academic blocks, tech-enabled classrooms, discussion rooms, innovation labs, and hostel facilities. The interaction instilled the young minds a sense of inspiration and admiration for the institute's dedication to leadership development and academic rigor.



Group Photo at : Indian Institute of Management Shillong – Academic Excellence and Student Interaction

The students also visited Ward's Lake. The location offered a peaceful environment for students to relax and reflect on the knowledge gained throughout the visit. The lifestyle of the people near the lake, including traditional foods, art stalls, and music performances, added a cultural flavor to the end of the educational tour.

MODEL UNITED NATIONS

- NITM-MUN: The third-edition of NIT Meghalaya's Model United Nations, supported by Meghalaya MUN, offering a diplomatic showdown with electrifying debates, global solutions, and meaningful connections to empower youth on the world stage.

AIPPM Committee:

Topic: Discussion on Uniform Civil Code (UCC)

Verbal Mention: India, Saudi Arabia, Netherlands, USA, France



Glimpses of the MUN sessions

EDUCATIONAL TRIP REPORT

On the occasion of an educational field trip, a group of school students from West Jaintia Hills district visited the National Institute of Technology (NIT) Meghalaya on the 10th, 18th June & 9th July 2025. The objective of this visit was to provide students with practical exposure to advanced technological equipment, laboratories, and the functioning of various departments in a premier engineering institute.

During the visit, the students explored several departments and laboratories within the NIT Meghalaya campus. They interacted with faculty members and technical staff, gaining valuable insights into the operations of different engineering machines and systems.

Departments and Labs Visited:

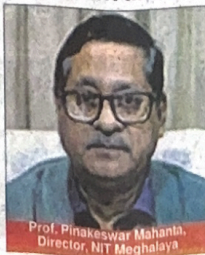
1. Mechanical Workshop: Students were introduced to various machine tools such as lathes and milling machines. They learned about metal cutting processes and workshop safety.
2. Robotics Lab: The group visited the robotics and automation lab, where they observed demonstrations of robotic arms and discussed applications of robotics in modern industries.
3. Manufacturing and Testing Areas: Students observed metal fabrication setups and testing units, enhancing their understanding of real-world engineering applications.
4. Conference Hall Interaction: The trip concluded with a Q&A session in the conference hall, where faculty members interacted with students, answering their queries about careers in science and technology.



The visit to NIT Meghalaya proved to be highly informative and inspiring for the students. It broadened their knowledge about science and technology and encouraged them to aspire toward careers in engineering and research. The school extends heartfelt gratitude to NIT Meghalaya for hosting the visit and providing such a valuable learning experience.

NIT Meghalaya has clinched the first prize at the prestigious Government Achievement and Scheme Expo 2025

NIT Meghalaya has clinched the first prize at the prestigious Government Achievement and Scheme Expo 2025, held at Bharat Mandapam, New Delhi, for its groundbreaking innovation – a magnet-free Brushless DC (BLDC) motor designed specifically for electric vehicles (EVs). Unlike conventional BLDC motors that rely on rare earth magnets such as neodymium, this novel design completely eliminates the need for such materials in the rotor core. This achievement not only represents a significant technological advancement but also addresses a critical strategic challenge by reducing India's dependency on imported rare earth



Prof. Pinakeswar Mahanta, Director, NIT Meghalaya

elements, which are expensive and sourced from geopolitically sensitive regions. The inventor of the motor Dr. Rakesh Roy, Assistant Professor, Electrical Engineering Department has claimed that the motor offers good efficiency and cost-effectiveness, making it highly suitable for EV applications. By pioneering this indigenous solution, NIT Meghalaya has taken a vital step towards strengthening India's position in clean mobility and contributing to the vision of Aatmanirbhar Bharat (Self-Reliant India), paving the way for a more sustainable, affordable, and secure future for the country's electric vehicle industry.

First prize: for designing a magnet free brushless DC motor (BLDC) specifically for EVs

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By pioneering this indigenous solution, NIT Meghalaya has taken a vital step towards strengthening India's position in clean mobility and contributing to the vision of "Aatmanirbhar Bharat" (Self-Reliant India), paving the way for a more sustainable, affordable, and secure future for the country's electric vehicle industry.

National Institute of Technology Meghalaya participated in Government Achievements and scheme Expo-2025 organized by NNS at Pragati Maidan during 21st -23rd June'2025.



Group photo : NIT Meghalaya representatives for schemes Expo-2025 with students



Group photo: Dr. Rakesh Roy and team receive first prize at Expo-2025

The National Institute of Technology Meghalaya showcased its innovative electric vehicle project as a potential startup initiative and highlighted its achievements at the Government Achievements and Schemes Expo-2025 held at Pragati Maidan from 21st-23rd June 2025. With the constant encouragement and support of our Director, Prof. Pinakeswar Mahanta, the team brought laurels to the institute by winning the First Prize at the event. The delegation was led by Prof. (Dr) Harish Chandra Das, along with Dr. Rakesh Roy (Assistant Professor) and Research Scholar Deigratia Sutnga, who represented the institute and presented its innovations to visitors and stakeholders.

11th International Day of Yoga 2025

International Day of Yoga, observed on June 21, highlights the physical, mental, and spiritual benefits of the 5,000-year-old Indian practice of yoga. The 2025 theme, "Yoga for One Earth and One Health," emphasizes self-enlightenment and harmony between personal well-being and planetary health. At NIT Meghalaya, the Yoga Club, under the "Yoga Unplugged (Youth Initiatives)" banner, promotes yoga through sessions, workshops, competitions, and lectures, encouraging students, faculty, and residents to adopt a healthy and balanced lifestyle.

Yoga Club Initiatives at NIT Meghalaya Ahead of International Yoga Day

Lecture Session: "Yoga and Its Importance"

(23 April 2025)

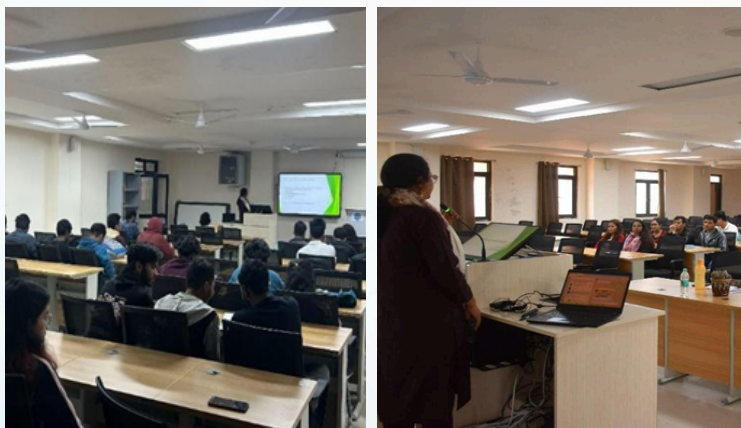
The Yoga Club organized a one-day lecture session exploring the theme "Yoga and Its Importance."

oFeatured Speakers:

□ **Dr. Sumita Kharmawphlang (Ayurvedic Physician, Civil Hospital, Nongpoh)** delivered a lecture on the topic "Yoga as Rasayana."

□ **Dr. Lily Papiiah (Yoga & Naturopathy Physician, Civil Hospital, Shillong)** spoke on "Yoga for Health and Wellness."

It was an interactive session where participants learned about various aspects of yoga and holistic wellness.



Visuals from the Lecture Sessions by Dr. Lily Papiiah & Dr. Sumita Kharmawphlang on "Yoga and Its Importance"



Actions at Yoga Retreat

●Yoga Competitions (08 May 2025)

oThe Yoga Club organized two engaging competitions designed to inspire the campus community:

□ **A Quiz Competition** centered on the themes "From Posture to Peace" and "Yoga for the Youth—Energize & Empower."

□ **An Open Mic Competition** built around the same themes.

Several students and faculty and staff actively participated in these events.



Yoga Quiz and Open Mic Competitions organised by the Yoga Club, NIT Meghalaya on 8th May 2025 as part of the IDY 2025 series celebration.

●Yoga Retreat (30 May 2025)

Yoga Club conducted a one-day yoga retreat guided by **Mr. Nikhil Chokhani**, an instructor from The Art of Living Foundation (a volunteer-based, humanitarian, and educational NGO founded in 1981 by Sri Sri Ravi Shankar).

o The retreat primarily focused on practical instruction in Yoga asanas (basic and intermediate), Sukshma Vyayam (subtle exercises), Pranayama (breathing exercises), Surya Namaskar, and relaxation techniques. All practitioners were encouraged to take advantage of this retreat and gear up for the coming activities of the International Day of Yoga.

o The sessions aimed to increase flexibility, improve stamina, build full-body strength, and improve concentration. The various yoga asanas were performed by the students and the staff members enthusiastically.



Group photo: post Yoga Retreat

●Yoga Awareness Workshop (10 June 2025)

The yoga awareness one-day workshop was hosted by the NIT Meghalaya Yoga club. The session was conducted **by faculty members and interns from the North Eastern Institute of Ayurveda & Homoeopathy (NEIAH): Mr. Soram Chinglensana, Dr. Hemangajit Kalita, Mr. Aviral Katiyar, and Ms. Kajal Tomar.** They started with prayer and explained the importance of Yoga in everyday life. He explained the common Yoga Protocol. They also demonstrated various asanas, like Tadasana, Vrikshasana, Pad-Hasthasana, Ardha Chakrasana, Trikonasana, Vajrasana, Ustrasana, Makarasana, etc., with their benefits & cautions.



Workshop on yoga Awareness by NITM team and NEIAH

International Yoga Day 2025 – 21st June

NIT Meghalaya celebrated the 11th International Day of Yoga (IDY) 2025, in alignment with the Government of India's nationwide initiative. The event began with the live streaming of the Hon'ble Prime Minister's address, followed by an institute-level yoga session from 08:00 AM to 09:00 AM. The session, based on the Common Yoga Protocol (CYP), was led by trained interns from the North Eastern Institute of Ayurveda & Homoeopathy (NEIAH).

The yoga session emphasized holistic wellness and the theme **"One Earth, One Health."** Faculty, students, and staff participated in asanas for strength and flexibility, pranayama for respiratory health and clarity, dhyan for mindfulness, and yoga nidra for deep relaxation and rejuvenation.



Visuals during yoga exercise on Yoga Day

A CAMPAIGN IN SUPPORT OF NATION FIRST

As per the D.O. letter received from the Ministry of Education, Government of India, dated 7th May 2025, to spread awareness for **"A Campaign in Support of Nation First"**. This initiative follows the **successful completion of "Operation Sindoor" by the Indian Armed Forces**, which targeted terrorist infrastructure in Pakistan and Pakistan-occupied Jammu and Kashmir, from where attacks against India have been planned and directed. In support of "A Campaign in Support of Nation First (Rashtra Pratham)," our institute, the National Institute of Technology, participated by conducting various **events on 15th May 2025.** These events included a poetry and song competition for Rashtra Pratham, discussions on supporting our army in their mission to protect the nation, and efforts to discourage negativity on campus. Students and faculty actively participated in these activities. Some photos from the events are attached.



Poster: A Campaign in Support of Nation First



Events from "A Campaign in Support of Nation First"

ICEPE 2025: International Conference on Power and Energy – Advancing Research and Innovation for a Sustainable Future

The **ICEPE Series** is the annual flagship conference of NIT Meghalaya, organized by the Department of Electrical Engineering since 2015. It serves as an international platform to exchange recent advancements in electrical and electronics engineering.



Group photo with distinguished Faculty members and Keynote speaker at IEEE 2025 Conference

The previous six editions of ICEPE, held in 2015, 2018, 2020, 2022, 2023, and 2024, were successfully conducted at NIT Meghalaya, with all accepted papers now available in the IEEE Xplore Digital Library.

ICEPE 2025 aims to bring together researchers, professors, students, practitioners, and technocrats from academia, governmental/non-governmental organizations, and industry to discuss and share their latest work across all aspects of electrical engineering, including related environmental challenges.

Distinguished speakers were invited to deliver keynote addresses and talks on emerging trends and major developments in cutting-edge technologies. The conference sought to create a forum for researchers

and engineers involved in power and energy systems to exchange ideas and present solutions for current and future challenges. It also offered a platform for leading academics and industrial practitioners worldwide to discuss critical environmental concerns, efforts to reduce carbon emissions, and the increasing generation of electrical energy to support industrial growth.

ICEPE 2025 played a pivotal role in identifying research directions for future advancements.

7th International Conference on Energy, Power and Environment



ICEPE 2025

09 – 11 MAY, 2025

Venue

NIT Meghalaya
Saitsophen, Sohra (Cherrapunjee)
Meghalaya, India

Keynote Speakers



PROF. SAIKAT CHAKRABARTI
IIT Kanpur, India



PROF. PRASAD ENJET
Texas A&M University, USA



PROF. AKSHAY KUMAR RATHORE
Singapore Institute of Technology (SIT), Singapore



PROF. RADHAKANT PADHI
Indian Institute of Science (IISc), Bangalore



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GUWAHATI CHAPTER

ICEPE 2025

A top-down view of a wooden desk cluttered with various business documents and charts. In the top left, a portion of a laptop keyboard is visible. A bright yellow sticky note is placed on a document in the upper center. The documents feature several charts: a large pie chart with four segments (black, dark blue, light blue, and medium blue) is prominent in the upper middle; a horizontal bar chart with blue bars is on the left; a line chart with multiple blue lines is on the right; and a candlestick chart with red and blue bars is in the bottom right. A pink sticky note is at the bottom center. The text "Research and Development" is overlaid in a large, black, serif font.

Research and Development

Publications

Journals

- Jiang, Wen-Dong, Chih-Yung Chang, Ming-Yang Su, Yue-Shi Lee, and Diptendu Sinha Roy. "Toward Interpretable Multimodal Violence Detection With Knowledge Distillation and Modality-Aligned Preprocessing." *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (2025).
- Pandey, Chandrasen, Vaibhav Tiwari, Sharmila AJ Francis, Vipin Pal, and Diptendu Sinha Roy. "MF-CGAN: Multi-Feature Conditional GAN for Synthetic Data Generation in Internet of Medical Things." *IEEE Internet of Things Journal* (2025).
- Anushka Chaurasia, Deepak Kumar, Yogita, "PregAN-NET: Addressing Class Imbalance with GANs in Interpretable Computational Framework for Predicting Safety Profile of Drugs Considering Adverse Reactions During Pregnancy", *Journal of Biomedical Informatics*, Volume 166, 2025, 104832, ISSN 1532-0464.
- Ambekar, Namrata Govind, Sonali Samal, N. Nandini Devi, and Surmila Thokchom. "FASNet: Federated adversarial Siamese networks for robust malware image classification." *Journal of Parallel and Distributed Computing* 198 (2025): 105039.
- Mukhopadhyay, Sunanda, Abhishek Sarkhel, Partha Pratim Sarkar, and Satyendra Singh Yadav. "Passive metasurface reflector for 6G wireless signal coverage enhancement in indoor environment: Design and experimental demonstrations." *Physical Communication* 71 (2025): 102664.
- R. Das, A. Acharyya, S. Majumdar "Influences of Human Presence on the Indoor Air Quality of Educational Institutions: Concurrent Multi-Pollutant Sensing Approach" *IEEE Open Journal of Instrumentation & Measurement*, vol. 4, pp. 1-8, 2025, Art no. 9500508.
- M. Nadzir, U. Rabuan, S. Md Ali, J. Borah, S. Majumdar, M.S. Rohmad, "Drone-based Air Quality Monitoring: Development and Evaluation of Low-Cost PM2.5 Sensor for Remote Environmental Assessment" *Sensors and Materials*, Vol. 37 (6), pp. 2153-2171
- S. Majumdar "Single Transistor Leakage Control for Low Power CMOS Circuits in BiImplantable RF Receivers", *Circuits, Systems & Signal Processing*, 2025
- Singh, Moirangthem Rabindra, Soumen Moulik, and Surmila Thokchom. "A novel pairing free certificateless aggregate signcryption scheme for IoMT." *Computers and Electrical Engineering* 123 (2025): 110055.

Journals

- Suresh Penchala, S. K. Bandari, Sivaprasad Valluri, Venkata Mani Vakamulla, "Performance analysis of multi-antenna multi-IRS assisted communication system for 6G wireless networks", in *Physical Communication*, Elsevier, vol. 72, pp. 1-14, 2025.
- Mahima Chaudhary, Suresh Penchala, S. K. Bandari, "Enhanced multi-user communication using hybrid IRS: Joint beamforming and information transmission", in *Physical Communication*, Elsevier, vol. 72, pp. 1-12, 2025.
- K. Vejandla, Ragam Prashanth, Valluri, Sivaprasad, Gunturu Chakravarthy, Yaswanth, K.N.G.B., S. K. Bandari and Jyothi Sankati, "Demonstration of A Novel SLM-Based PAPR Reduction Method for GFDM using USRP Testbed," in *IEEE Access*, vol. 13, pp. 84399-84408, 2025.
- Amarjyoti Mondal, Mahabul Haque, Aditi Aggarwal, Mitul Kalita, Atanu Singha Roy, Protein-based hydrogel for environmental remediation: Removal of hazardous metal ions and toxic organic dyes from wastewater. *J. Mol. Liq.*, 2025, 423, 127174.
- O. Manner and T. Bora, Impact of Partial Thulium Substitution on the Structural, Magnetic and Dielectric Properties of Nanocrystalline Cobalt Ferrites, *Ceramics International*, 51, 28919, 2025
- Pulakesh Gogoi, Poonam Gupta, Suryanarayana Allu, Naba K Nath, Light-Driven Vibration and Liquefaction of Flexible and Naturally Bent Single Crystal. *Chem. Eur. J.*, 2025, 31, e202500829.
- Surendra Nath Barman, Kalpana Kumari, Atanu Singha Roy, Adsorption of plasma protein human serum albumin on surface functionalized multi-walled carbon nanotubes: Insights into binding interactions and effects on protein fibrillation. *Int. J. Biol. Macromol.*, 2025, 304, 140802.
- Edapha Rhema Jones Chullai, Haricharan Nannam, Priyankar Roy, Rakesh Roy, Atanu Banerjee, Control and dynamic analysis of a BLDC-based pico-pump hydro energy storage system in a utility-interactive wind-based AC/DC microgrid, *Journal of Energy Storage*, Volume 123, 2025, 116773, ISSN 2352-152X, <https://doi.org/10.1016/j.est.2025.116773>.
- Thangjam Ayingbi Chanu, Research Scholar, Department of Humanities and Social Sciences, presented a paper in the Two-Day International Conference on "Critical Humanities – Language, Culture and Indigeneity" organized by the Department of English, DMU, held from 25th to 26th July, 2025.

Journals

- A. Chand, R. Dandapat, D. Adak, M.L. Patton, S.B.F. Warsi. Numerical Approach to Assess the Performance of Concrete-Filled Steel Tube Stub Columns under Fire Hazards, *Journal of Structural Design and Construction Practice*, ASCE, Vol. 30 (3), April 4 2025, <https://doi.org/10.1061/JSDCCC.SCENG-1757>.
- D. Dutta, P. K. Biswas, Suraj Gupta, S. Debnath et al., "Advanced Analytical and Empirical Control Strategies for Active Magnetic Bearing Systems," in *IEEE Access*, vol. 13, pp. 103613-103626, 2025, doi: 10.1109/ACCESS.2025.3579676
- Anupama Ganguly, Pabitra Kumar Biswas, Suraj Gupta, Furkan Ahmad, Metaheuristic Optimization-Based Sliding Mode Control with Modified Perturb and Observe for Controlling MPPT of a PV Interfaced Grid Connected System, *International Journal of Energy Research*, 2025, 3604772, 19 pages, 2025. <https://doi.org/10.1155/er/3604772>
- P. D. Kumari, Ksh Milan Singh, Z. L. Mayaluri, P. K. Sahoo, S. Lenka, G. Panda, S. K. Agir, "A Hybrid Variational Mode Decomposition Framework for Enhanced Cardiac Out Estimation Using Impedance Cardiography," *Scientific Reports*, pp. 15, no. 25784, July 2025. (doi.org/10.1038/s41598-025-09948-2)
- P. D. Kumari, Ksh Milan Singh, Z. L. Mayaluri, N. A. Shiferaw, G. Panda, S. K. Agir, "An Efficient Baseline Restoration Circuit for Real-Time Impedance Cardiography: FPGA-based Calibration with Multi-Sensor Integration" *JSIR*, vol. 84, pp. 435-444, April 2025. (DOI:10.56042/jsir.v84i04.15207)
- O. Manner, D. Maji, K. P. Patra, S. Ravi, T. Bora, Enhanced Dielectric and Soft Magnetic Properties of Rare Earth (Sm, Er) Co-substituted Cobalt Ferrites Nanocrystals *Materials Chemistry and Physics*, *Materials Chemistry and Physics* 339, 130746, 2025
- D. K. Biswas, S. Debbarma and P. P. Singh, "Dynamic Surface Sliding Mode Control-Based LFC Design for RES-Dominated Power Systems With a Provision of Grid-Scale Virtual Energy Storage," in *IEEE Transactions on Power Systems*, doi: 10.1109/TPWRS.2025.3573582.
- Sudipta Roy, Gitumoni Kalita, Satyapriya Maharana, Arunima Chatterjee, Rathin Jana, Naba K Nath, Paresh Nath Chatterjee, A Green Approach to 2-Amino-4H-chromenes by Calcium Lactate Catalyzed, One-Pot, Three-Component Reactions. *Synlett*, DOI: 10.1055/s-0043-1775496.
- Kaushik Talukdar, Malaya K. Nayak, Nayana Vaval, Sourav Pal, Relativistic Extended-Coupled-Cluster Calculations of P, T-Odd Sensitivity Parameters for Diatomic Molecules, *J. Chem. Theory Comput.*, 2025, 21(11), 5481.
- Sana Quraishi, Sibasree Hojaisa, Kalpana Kumari, Erica WM Marboh, Kripamoy Aguan, Anupam Nath Jha, Atanu Singha Roy, Construing the Interaction of Antioxidant Coumarin Derivative Daphnetin with Double-Stranded Calf Thymus Deoxyribonucleic Acid: Insights into the Binding Mechanism and Effects on Oxidative DNA Damage. *J. Phys. Chem. B*, 2025, 129, 5119

Conferences

- Harshit Choubey, Shailendra Kumar Sharma and Pemendra Kumar Pardhi , “Deep Neural Network MPPT-based PV Water Pumping With PMSM Drive,” IEEE International Conference on Energy, Power and Environment (ICEPE), June 2025, pp. 1-6
- Moirangthem Rabindra Singh, and Surmila Thokchom, " Cryptanalysis of an effective certificateless aggregate signcryption scheme", 9th International Conference on Cryptography, Security and Privacy (CSP 2025), 26-28 April, 2025, University of the Ryukyus, Okinawa, Japan
- P. D. Kumari, K. M. Singh, M. Z. Lazarus, and S. K. Agir, “A Microcontroller-Based Embedded System for Accurate Real-Time Cardiac Output Estimation Using Impedance Cardiography with IoT-Enabled Remote Monitoring,” ICEPE, May 20-22, 2025, EE Department, NIT Meghalaya, India.
- Chair, Young Professional, IEEE GCON 2025, 18-20 June, 2025, IEEE Guwahati Subsection Conference, NERIST, Arunachal Pradesh
- M. Loukrakpam, N. Maisnam, P. P. Singh, and K. M. Singh, “Loss Investigation of Isolated Dual Active Converter for EV Charging” ICEPE, May 20-22, 2025, EE Department, NIT Meghalaya, India.
- Sushanta Nath, Atanu Bandyopadhyay, S. Debbarma, " High-Boost Switched-Inductor Based Active Quasi-Z-Source Inverter for Renewable Energy Applications", 2025 7th International Conference on Energy, Power and Environment (ICEPE 2025), Sohra, pp. 1-6, NIT Meghalaya, May 09-11, 2025.
- Krittika Mukherjea, L. Debbarma, S. Debbarma, " Exploring the Capabilities of GFM Inverter to Improve LFC Performance, 2025 7th International Conference on Energy, Power and Environment (ICEPE 2025), Sohra, pp. 1-6, NIT Meghalaya, May 09-11, 2025.
- General Chair, 7th International Conference on Energy, Power & Environment, Sponsored by IEEE Guwahati Subsection, IEEE IAS, IEEE PES Guwahati Chapter, NIT Meghalaya, 09 May – 11 May 2025.
- Diya Silvana Ritchil, Ebrarnes Kharwar Pemendra Kumar Pardhi, and Shailendra Kumar Sharma,, “A Modified Isolated SEPIC Employed PV-Fed Electric Vehicle Charger,” IEEE International Conference on Energy, Power and Environment (ICEPE), June 2025, pp. 1-6
- A. Chauhan and K. M. Singh, “Heartbeat detection using mHDFT filter along with modified Pan Tompkins algorithm,” ICEPE, May 20-22, 2025, EE Department, NIT Meghalaya, India.

Session Chair

- Dr. Pemendra Kumar Pardhi as a Session Chair on IEEE International Conference on Energy, Power and Environment (ICEPE 2025)
- Dr. Suraj Gupta as a Session Chair on IEEE International Conference on Energy, Power and Environment (ICEPE 2025)
- Dr. Sanjoy Debbarma acted as a Session Chair in IEEE GCON 2025, NERIST, Arunachal Pradesh

Delivered Talk

- Dr. Pemendra Kumar Pardhi delivered a talk on 'Modern Power Electronics & Smart Control for Grid-connected Solar Photovoltaic Systems' during the Faculty Development Program titled 'AI-Powered Smart Grids: Advancing Resilient and Equitable Energy Systems', organized by OP Jindal University, Raigarh, from 16th to 20th June 2025

Patents

- Siddhartha Deb Roy, Sanjoy Debbarma, System and Method for Ensuring Data Confidentiality and Integrity in Power System Sensor Networks, Indian Patent Application No. 202521052668 filed on May 30, 2025 (Published).

Projects

- Title: Flexibility Trading from Local Energy Communities for Grid Balancing in the Presence of Data Driven-based Instruction Dispatch Framework,
- Agency: ANRF, Govt of India, Year: 2025 - 2028
- Principal Investigator: Dr. Sanjoy Debbarma, Associate Professor, EE Dept.

Book Chapters

- Chattapadhyay, Debojyoti, Soumendu Ghosh, Satyendra Singh Yadav, and Abhishek Sarkhel. "Polarization-Insensitive Triple-Band Millimeter-Wave Absorber for 6G Radar Communication." In Millimeter Wave and Terahertz Devices for 5G and 6G systems: Modern Design Aspects and Optimization, pp. 347-362. Cham: Springer Nature Switzerland, 2025.
- Mukhopadhyay, Sunanda, Abhishek Sarkhel, and Satyendra Singh Yadav. "A Wideband Digitally Coded Metasurface Using Staggering Tuning Mechanisms for Beam Steering Application in 6G mm-Wave Communication." In Millimeter Wave and Terahertz Devices for 5G and 6G systems: Modern Design Aspects and Optimization, pp. 447-460. Cham: Springer Nature Switzerland, 2025.

PhD Awarded



Date awarded: 26/06/2025

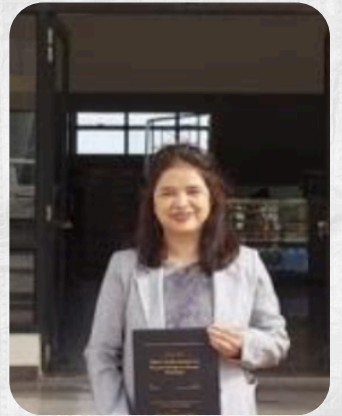
Title: Explainable Artificial Intelligence for Next Generation Smart City Applications and Services.

Short biography: Prasant Kumar Mohanty (P21CS001) under the supervision of Prof. Diptendu Sinha Roy.

Date awarded: 26/05/2025

Title: Efficient Cloudlet Movement and Placement Strategy in a Dynamic Environment.

Short biography: Lizia Sahkhar (P19CS001) under the supervision of Dr. Bunil Kumar Balabantaray.



Date awarded: 25/04/2025

Title: Enhancing Quality of Service in Low-Rate Wireless Personal Area Networks through Traffic-Aware Solutions.

Short biography: Kaushik Ray (P19CS005) under the supervision of Dr. Soumen Moulik.



Date awarded: 14/07/2025

Title: Wideband Superstrate-Loaded Metasurface-Based Multifunctional Polarization Converters.

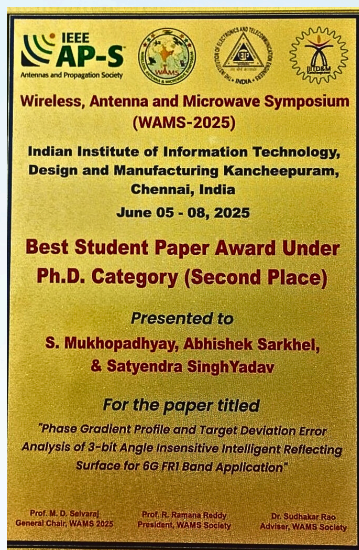
Short biography: Soumenendu Ghosh (P19EC005) under the supervision of Dr. Abhishek Sarkhel.





**Faculty
& Student**

Achievements



Best Student Paper Award

Sunanda Mukhopadhyay under joint supervision with **Dr. Satyendra Singh Yadav** had received the best paper award under PhD category (2nd place) under prestigious IEEE Wireless, Antenna & Microwave Symposium WAMS 2025. The paper was titled, "Phase Gradient Profile and Target Deviation Error Analysis of 3-bit Angle Insensitive Intelligent Reflecting Surface for 6G FR1 Band Application".



Sunanda Mukhopadhyay receiving the best paper award under PhD category (2nd place)

- **Ms. Sanchita Pramanik**, research scholar MA dept received the Best Presentation Award for her talk at the "International Conference on Mathematical Sciences and Computing-Innovations and Applications" organized by the Department of Mathematics, NERIST, Arunachal Pradesh, during June 26-28, 2025.
- **Dr. Harshit Joshi** received the **Prime Minister Early Career Research Grant (PM-ECRG)** worth Rs. 71,92,798.00 from **Anusandhan National Research Foundation (ANRF)**.
- **Dr. Kaushik Talukdar** has received the **Prime Minister Early Career Research Grant (PM-ECRG)** worth Rs. 48,25,200.00 from **Anusandhan National Research Foundation (ANRF)**.

- **Dr. Rwivoo Baruah** has set up a **Microbiology Lab** at the **Department of Chemical & Biological Sciences, NIT Meghalaya**.
- **Ms. Sanchita Pramanik** received the **Best Presentation Award** for her talk at the "International Conference on Mathematical Sciences and Computing-Innovations and Applications" organized by the Department of Mathematics, NERIST, Arunachal Pradesh, during **June 26-28, 2025**.



Award for Excellence in Technical Education & Academic Growth

- Assistant Professor **Dr. Rakesh Roy** received the First Prize for **inventing a magnet-free Brushless DC (BLDC) motor**, specially designed for electric vehicles, at the Schemes Expo 2025 held at Bharat Mandapam, New Delhi.



Group photo of Institute Day celebration

- Department of Mathematics celebrated the **Institute Day** on 1 April, 2025 and conducted various events such as Quiz, Poster Presentation, Math based fun games, etc.



Institute Information



Introducing the new Head of Department



Dr Shaoni Shabnam is the new Head of Department. She joined as an Assistant Professor in the department of HS, NITM from 27th February, 2025. She has a PhD in Sociology from the Department of Humanities and Social Sciences, IIT Bombay. She has worked as an Assistant Professor in the PG Dept. of Sociology in St. Xavier's College (Autonomous), Kolkata for 8 years. Her areas of research interest include Issues of Social Stratification: Class, Caste, Gender; Intersectional Marginalities; Sociology of Consumption and Cultural Studies. She has

both national and international publications to her credit and is currently working on the area of domestic workers' rights in India in a comparative global perspective.

India Today Ranking 2025



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Wideband Superstrate-Loaded Metasurface-Based Multifunctional Polarization Converters

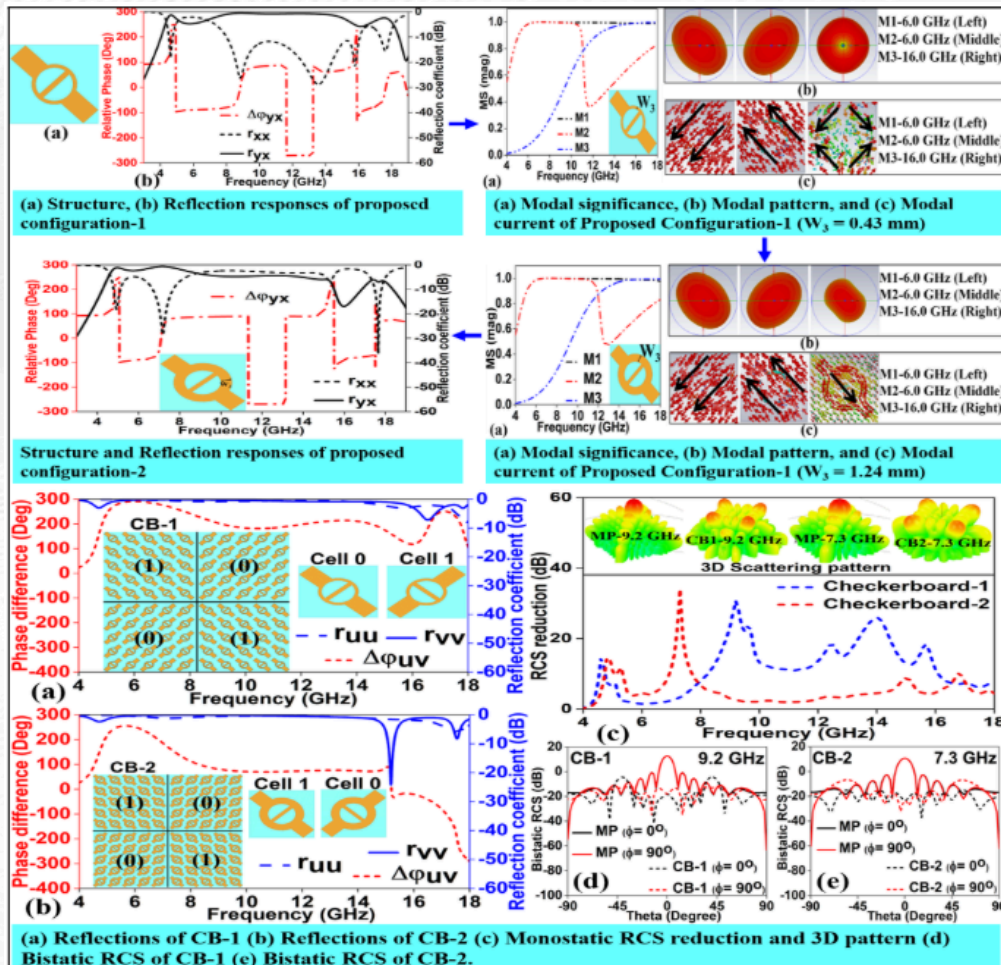
by

S. Ghosh, P. M. Sainadh, A. Sarkhel, and S. Ghosh

Published in: IEEE Antennas and Wireless Propagation Letters, Vol. 24, No. 6, pp. 1337–1341, June 2025.

Key Highlights:

- Two different configurations of a multifunctional polarizer are designed in a compact geometry for simultaneous linear-to-circular (LP-to-CP) and linear-to-linear (LP-to-LP) polarization conversion with enhanced bandwidths and wide angular stability.
- Configuration-1 exhibits simultaneous wideband LP-to-LP and LP-to-CP conversion. Subsequently, characteristic mode analysis is utilized to modify the design topology, and Configuration-2 is realized for multi-band LP-to-LP and wideband LP-to-CP conversion.
- Two checkerboards (CB-1 and CB-2) using two different metasurface configurations are designed, leveraging their phase gradient responses for low RCS applications.



Read the full paper using the following link:

<https://ieeexplore.ieee.org/document/10856522>.

When I became a student again!

by Dr Shaoni Shabnam



It has been a few months since I joined NIT Meghalaya as a faculty member in the Department of Humanities and Social Sciences at its permanent campus in Sohra (Cherrapunji). And here I am to share a few reflections on my new journey of life. I came here as a ‘teacher’, but instead I became a student once again, this time outside the four walls of the classroom. I learned; I learned profoundly: from outside the boundaries of the campus, from the local community here, predominantly the Khasi people who inhabit the remote and quaint little hamlet of Saitsohpen.

They have taught me: how to be happy with very little material possessions; how to laugh wholeheartedly, without much reason; how to be kind even if you nothing much to offer; how to be honest even if have the option to cheat; how to live a lifestyle in sync with nature, how to co-live healthily with other species, and how to find solutions to human problems without exhausting natural resources. I have also learned to distinguish between ‘formal knowledge’ and ‘wisdom’, to recognize that many of them may not be very educated in terms of degrees and

institutionalized titles, and yet they possess wisdom, emanating from age-hold experiential learning, passed down through generations and, often undocumented, indigenous knowledge systems embedded in the local culture.

I have also learned how they have been preserving the natural beauty of the place for ages. Nature preserves us, and we, in turn, are expected to preserve nature. It is a reciprocal relation that has been developed by these communities, and nurtured, through generations. While I marvel at the beauty of ‘Living Roots’ bridges here, it is the idea that fascinates me: a stunning piece of civil engineering that uses natural resources to find solutions to human needs, without depreciating them. It is only rather late that we have learned that natural resources can be used to address human needs, but only within limits. We forget those limits; we bring in calamities.

The local community here and its way of living life has taught me many things. And, it has taught me to ask some lingering questions that we as ‘knowledge-providers’ should perhaps ask ourselves: how do we unlearn some of the conventional ideas and models of bringing about ‘development’; how do we undo the conventional ways of imagining technology; when do we learn to recognize the treasure that is there in ‘local knowledge’; how do we bring in new perspectives emerging from that knowledge? How do we reshape the formal ways of knowledge production and dissemination by using alternative knowledge resources?

I have learned much from my experience of my new journey as a NITM faculty, perhaps more from outside its physical boundaries and I could not be more grateful! I have been assigned the role of a teacher, but I could rediscover myself as a student again! Thank you NITM!

Thought of the Quarterly Month

“Education is the manifestation of perfection already in man.”

-Sw Vivekananda

Translation in Khasi

“Ka jingnang jingstad ka long ka jingthir-sani jong ka jingbit ba lah don lypa ha u briew.”

-Sw Vivekananda

Translation in Hindi

“शिक्षा मनुष्य में पहले से ही विद्यमान पूर्णता की अभिव्यक्ति है।”

-Sw Vivekananda

Highlights

Upcoming Event

One-Day Faculty Development Program (FDP) Workshop On 3D Printing & 3D Scanning
8th July, 2025

"Smart Materials and Sustainable Solutions for Climate Resilience (SMSSCR-2025)"
August 02-04, 2025

ONE-DAY FACULTY DEVELOPMENT PROGRAM (FDP) WORKSHOP ON 3D PRINTING & 3D SCANNING

Welcome to the One-Day FDP Workshop on 3D Printing & 3D Scanning at National Institute of Technology Meghalaya. Explore the latest in 3D technology through expert sessions, hands-on learning, and meaningful interaction.

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29-31st August, 2025

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Celebration of National Sports Day 2025 (Duration: August 29-31)

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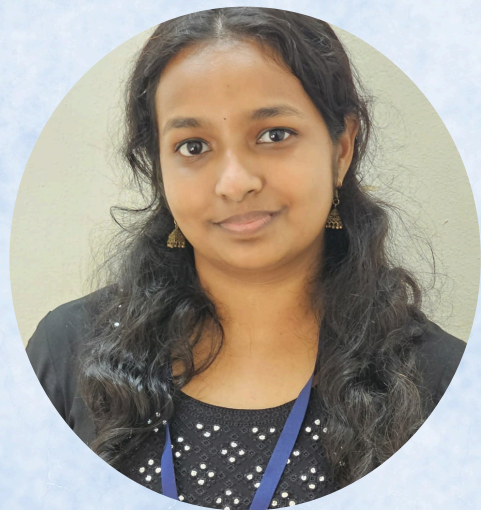


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