



NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR

LANGOL, IMPHAL -795004

THE REPORTAGE

(NIT Manipur News Letter)



Vol: 2025/Q4

October to December

Director's Message

It gives me immense pleasure to present the fourth quarterly edition of the NIT Manipur Newsletter for the period October–December 2025. This quarter has been particularly vibrant, marked by purposeful academic initiatives, impactful outreach programmes, notable research accomplishments, and commendable achievements by our students, faculty, and staff.



The Institute continued to uphold its commitment to social responsibility and public welfare through a series of health and awareness programmes, including HIV/AIDS awareness, stroke prevention, mental health promotion through Tele MANAS, cyber security awareness, dengue prevention drives, and activities under Unnat Bharat Abhiyan. These initiatives reaffirm our belief that a technical institution must actively contribute to societal well-being alongside academic pursuits.

On the academic and research front, the quarter witnessed an impressive array of workshops, faculty development programmes, international conferences, hackathons, and expert lectures, covering emerging areas such as electric mobility, hydrogen fuel cells, entrepreneurship, innovation design, women in engineering, and advanced healthcare technologies. The active participation of faculty and students in national and international forums, along with prestigious research grants, patents, publications, and awards, reflects the Institute's growing research footprint and intellectual rigor.

I am particularly proud of our students' achievements in academics, research, sports, NCC activities, and inter-NIT tournaments, where they represented the Institute with dedication, discipline, and sportsmanship. Their success is a testament to the nurturing academic ecosystem and mentoring culture at NIT Manipur.

Institutional events on cleanliness and governance initiatives further strengthened our sense of unity, constitutional values, and commitment to nation-building. Administrative improvements and infrastructure optimization during this period also contributed to a more efficient and enabling work environment.

I take this opportunity to sincerely appreciate the collective efforts of our faculty members, staff, students, and collaborators who have worked tirelessly to make these accomplishments possible. Let us continue to move forward with the same spirit of excellence, integrity, innovation, and inclusivity as we strive to position NIT Manipur as a centre of academic excellence and societal impact.

I hope this newsletter serves not only as a record of our activities but also as an inspiration to scale greater heights in the coming months.

With best wishes,

Prof. D V L N Somayajulu

Director

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A training program on Beekeeping, Floriculture, and Fruit Orchards was held on 4th October 2025, organised by the National Institute of Technology (NIT) Manipur at Rabunamai Village in Senapati District. The program was conducted under the research project “Mainstreaming Agrobiodiversity Conservation for Climate Resilience and Sustainable Livelihoods” sponsored by the Ministry of Environment, Forest and Climate Change through the G. B. Pant National Institute of Himalayan Environment.

NIT Manipur launches training prog on beekeeping, floriculture & fruit orchards

IMPHAL, OCTOBER 6 (MExN): The National Institute of Technology (NIT) Manipur launched its first training programme on Beekeeping, Floriculture and Fruit Orchards under a research project sponsored by the Ministry of Environment, Forest and Climate Change (MoEFCC) on October 4.

The programme is part of the research project “Mainstreaming Agrobiodiversity Conservation for Climate Resilience and Sustainable Livelihoods,” which is being implemented through the G. B. Pant National Institute of Himalayan Environment, a press release said.

Dr Adani Azhoni, Head of the Department of Civil Engineering at NIT Manipur, is the Principal Investigator of the project, with Dr Chubamenla Jamir, Founder-Director of Native Foodscape, and Dr Mala Narang as Co-Principal Investigators.

According to the statement, resource persons Dr. Sao Tunyi, a physician-turned agri-entrepreneur, and Chokhone Krechina, Founder and CEO of Dianthe Private Limited, conducted the training sessions.

Dr Tunyi spoke on the ecological and livelihood benefits of beekeeping, honey

and by-products, and fruit orchard management. “Sustainable farming begins with biodiversity. Beekeeping and orchards, when integrated properly, can transform farming practices in our hill regions,” he remarked.

Krechina led a session on floriculture, highlighting its livelihood potential and market prospects. “Floriculture is more than just cultivation; it is an opportunity to connect rural producers with a growing market,” she said.

The day-long programme benefited twenty-five farmers and young entrepreneurs from the region.

While the first round of workshops is being held in Manipur, the project will soon expand to Nagaland, with similar training sessions scheduled in Phek District in the coming months.

“We are committed to extending this initiative to Nagaland to support farmers and entrepreneurs in exploring new opportunities while conserving agrobiodiversity,” stated Dr Adani Azhoni.

The initiative aims to empower farmers and rural entrepreneurs with practical knowledge to improve climate resilience and strengthen sustainable livelihoods, the release added.

A 23 member contingent of NIT Manipur (18 Football and 5 Table Tennis players) has left for NIT Jamshedpur to participate in the All India Inter NIT Football and Table Tennis Tournament, scheduled from 4th to 6th October 2025.



STROKE AWARENESS BECAUSE IT MATTERS



An Awareness Programme on Stroke, was held on 8th October 2025 as part of World Stroke Day at NIT Imphal, organized by BABINA Hospital in collaboration with NIT Imphal to promote awareness on stroke prevention and management.

Dr. Tamphasana Wairokpm, Consultant, Neuro Medicine, BABINA Hospital, spoke on “Understanding Stroke: Causes, Symptoms, and Risk Factors,” explaining how stroke results from interrupted blood flow to the brain and stressing the importance of recognizing early warning signs and managing risk factors.

Dr. Ashem Thoibisana, Associate Consultant, Neuro Medicine, BABINA Hospital, discussed “Stroke Prevention, Early Detection, and Management,” emphasizing timely medical intervention, lifestyle changes, and rehabilitation for better outcomes.

The session concluded with an engaging interactive discussion with students and faculty on identifying symptoms and preventive strategies for stroke.

PREVENTION IS BETTER THAN CURE ESPECIALLY WHEN SOMETHING HAS NO CURE



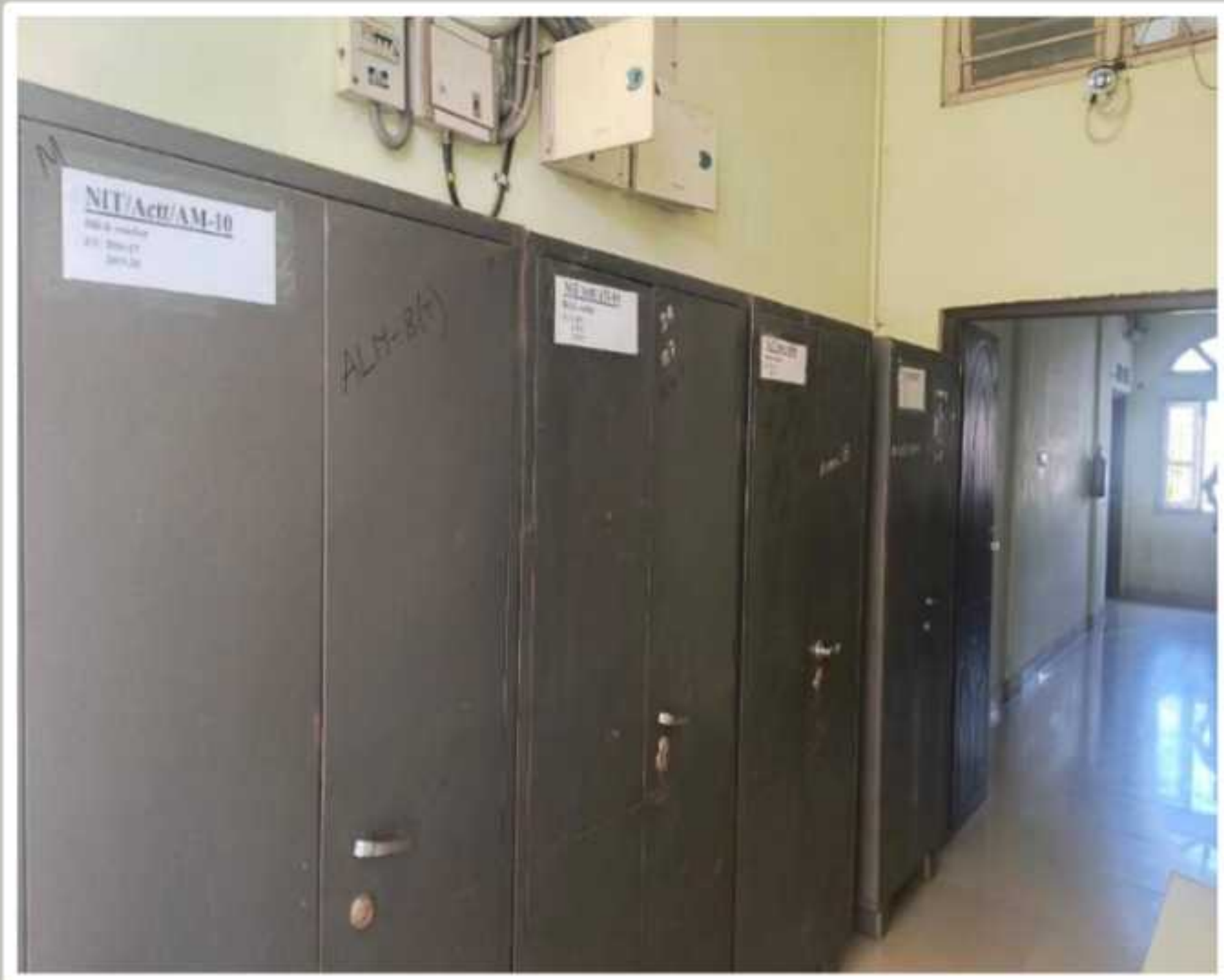
HIV/AIDS Awareness Programme at NIT Manipur

A one-day College Level HIV/AIDS Awareness Programme was organised on 13th October 2025 at the Seminar Hall, NIT Manipur, in collaboration with the District AIDS Prevention & Control Unit (DAPCU), Imphal West. The programme aimed to raise awareness and reduce stigma related to HIV/AIDS among students, faculty, and non-faculty members. Experts from DAPCU shared insights on risk factors, modes of transmission, prevention, prophylaxis, and treatment, along with distributing informative pamphlets. An interactive quiz session conducted by the Medical Officer, NIT Manipur, further engaged participants. The programme witnessed active participation from 91 attendees and successfully promoted responsible behaviour and health awareness within the NIT Manipur community.

As a part of the Special Campaign for Disposal of Pending Matters (SCDPM) 5.0 during 2nd to 31st October 2025, Account Section NIT Manipur utilised free spaces of 4 nos. of steel Almirahs which were lying in the Boys Hostel, for storage of records, after minor



Total numbers of folders reviewed: 176
Result: Space freed and working space expanded for newly joined workers.



A 13 member contingent of NIT Manipur (12 Volleyball and 1 Swimming players) went to NIT Rourkela to participate in the All India Inter NIT Volleyball and Swimming Tournament, scheduled from 24th to 26th October 2025.



Proud Achievement for NIT Manipur! Mr. Sundarlal Mukherjee of the Department of Electrical Engineering, NIT Manipur, participated in the All India Inter NIT Swimming Tournament held at NIT Rourkela from 24th to 26th October 2025. He secured 2nd position in the 50m Backstroke and 4th position in the 50m Freestyle. He was warmly received by the Director and Registrar upon his return. NIT Manipur congratulates him on his commendable performance and wishes him continued success.



EVENT NO.3		50 MTR. BACKSTROKE MALE			
RANK	NAME	NAME OF INSTITUTE	TIMING	POSITION	
1	JOHNS TOMY	NIT CALICUT	00.34.79	1st	
2	SUNDERLAL MUKERJEE	NIT MANIPUR	00.35.97	2nd	
3	DEVAM SURTI	NIT ROURKELA	00.37.66	3rd	
4	YASH	NIT TRICHY	00.37.96		
5	D. GUNAVANTH REDDY	NIT ANDHRA PRADESH	00.38.34		
6	HIRTHICK DIYAN	NIT TRICHY	00.38.76		
7	SACHIN NARAYAN GAIKWAD	NIT SURATHKAL	00.41.56		
8	GAJULA KRISHNA SAI SANTOSH	NIT SURATHKAL	00.42.51		
9	PARABUDDHA KALISINGE	VNIT NAGPUR	00.42.78		
10	PANKAJ KUMAR	NIT ROURKELA	00.45.75		
11	PARTH YADAV	NIT RAIPUR	00.46.85		
12	KEVIN JACOB	NIT CALICUT	00.47.14		
13	RUTHVIK KOLEPARA	VNIT NAGPUR	00.49.11 (DQ)	FRONT TOUCH	
14	ROY HARWANI	NIT WARANGAL	00.52.96		
15	RISHIRAJ NAVNEET RATHOD	IIST SHIBPUR	00.54.81		
16	NAGESHWAR KASHYAP	NIT RAIPUR	00.56.19		
17	AYUSH PRATIK	NIT WARANGAL	01.15.56		
18	MAITREYA DEEPTA BARUAH	IIST SHIBPUR	ABSENT		
19	SUBHASHISH DEY	NIT SILCHAR	ABSENT		
20	SAI DINESH	NIT SILCHAR	ABSENT		
21	PRANJAL PANDIT	NIT DELHI	ABSENT		

NT NO.7		50 MTR. FREESTYLE MALE			
	NAME	NAME OF INSTITUTE	TIMING	POSITION	
1	BHUPRATI BURAGOHAIN	NIT SILCHAR	00.27.31	1st	
2	JOHNS TOMY	NIT CALICUT	00.29.40	2nd	
3	HIRTHICK DIYAN	NIT TRICHY	00.29.59	3rd	
4	SUNDERLAL MUKERJEE	NIT MANIPUR	00.30.10		
5	VIKRAM SINGH	NIT JALANDHAR	00.30.50		
6	SAI TEJA PANDA	NIT SURATHKAL	00.30.78		
7	DEVAM SURTI	NIT ROURKELA	00.31.03		
8	DIVYANSHU RATNAKAR	NIT SURATHKAL	00.31.20		
9	MANNE VARSHITH VARDHAN	NIT CALICUT	00.31.31		
10	D. GUNAVANTH REDDY	NIT ANDHRA PRADESH	00.31.41		
11	PARABUDDHA KALISINGE	VNIT NAGPUR	00.31.66		
12	ADITYA	NIT DURGAPUR	00.31.86		
13	ADITYA KUMAR SINGH	NIT ROURKELA	00.33.16		
14	ANIRUDH DUBEY	NIT Raipur	00.33.86		
15	HARSHIT SONI	SVNIT SURAT	00.33.88		
16	TAMOJIT ROY	NIT RAIPUR	00.34.36		
17	DHRUV S NAIR	NIT WARANGAL	00.35.48		
18	SATYAM KUMAR	NIT WARANGAL	00.35.55		
19	ASHMIT SINGH	NIT DELHI	00.35.63		
20	B. OMKAR	NIT ANDHRA PRADESH	00.37.22		
21	DARIPALLI NAVEEN KUMAR	IIST SHIBPUR	00.46.96		
22	ROHAN VIKAS KUDTUDTAR	IIST SHIBPUR	00.57.03		
23	ABHINAV JOSHI	SVNIT SURAT	ABSENT		
24	Barath	NIT TRICHY	ABSENT		
25	ANSHUMAN SAIKIA	NIT SILCHAR	ABSENT		



As a part of the SCDPM 5.0, a Campaign is organised by the students of NIT Manipur on the Awareness of Dengue at the local surroundings of NIT Manipur campus on 25th Oct 2025.



BEFORE



AFTER



Cleanliness Drive at NIT Manipur Campus | 2nd-24th October 2025 (SCDPM 5.0)

OBSERVANCE OF VIGILANCE AWARENESS WEEK 2025

NIT Manipur observed "Vigilance Awareness Week 2025" on 29th October 2025 with active participation from the Registrar, faculty, and non-faculty staff. The event emphasized integrity, transparency, and collective responsibility in promoting good governance.



“Publishing with Purpose: Optimal Use of ScienceDirect and Advanced Manuscript Development Tips”, organized under Elsevier’s national capacity-building programme in collaboration with NIT Manipur on 10th November 2025.



Three-Day Bootcamp 21.0 on Obstacle Avoidance Multirotor UAV

10th to 12th November 2025
NIT Manipur

NIT Manipur successfully organised a Three-Day Bootcamp 21.0 on the Assembly of Obstacle Avoidance-Based Multirotor UAV, in association with NIELIT Imphal.

The bootcamp focused on hands-on training where students learned the complete process of constructing and testing an obstacle-avoidance multirotor UAV. Participants explored UAV components, sensor integration, and practical flight control techniques.

Around 60 students, divided into 6 groups, actively participated in the training and demonstrated excellent teamwork and innovation throughout the sessions.



UNNAT BHARAT ABHIYAN

On 11th November 2025, the Unnat Bharat Abhiyan (UBA) Cell, NIT Manipur, marked its Foundation Day with an awareness programme at Kabowakching Nambol Bazar, responding to a dengue outbreak in the state. Around forty local residents-mainly women, children, and senior citizens-took part in the event, which opened with a welcome address by Ms Nancy Phurailatpam was followed by a talk from Dr Bidyabasuni, Medical Officer at NIT Manipur explained how dengue is transmitted, preventive hygiene practices, and early symptoms. Dr Nabjit Sarkar, RCI Coordinator, felicitated the speakers and local committee members, and the programme concluded with the distribution of Odomos ointment and tree saplings, light refreshments. The villagers expressed satisfaction and requested more such school-based awareness programmes, while the institute's staff and civil-engineering MTech students actively supported the event.

UNNAT BHARAT ABHIYAN (UBA)

A Flagship program of Ministry of Education (MoE), Govt of India

**NATIONAL INSTITUTE OF TECHNOLOGY, LANGOL,
MANIPUR**



सत्यमेव जयते
Ministry of Education



CELEBRATING 11 YEARS OF RURAL RENAISSANCE WITH UNNAT BHARAT ABHIYAN

On 11th November 20225 at Kabowakching, Nambol

CYBER HYGIENE

18th November 2025



A programme on Cyber Security Awareness – “Cyber Hygiene” was successfully held at NIT Manipur on 18th November 2025. We were glad to have Mr. I. L. Narasimha Rao as the expert speaker, who shared valuable and insightful guidance with the students.

A Programme on Cyber Security Awareness on the theme "Information Security Education & Awareness" was held at NIT Manipur on 19th November 2025.

The programme is an initiative of the Ministry of Electronics & Information Technology (MeitY) in collaboration with CDAC. It aimed to enhance awareness of cyber safety, digital responsibility, data protection, and information security among students and faculty members.

The session provided valuable insights into cyber threats, preventive measures, and secure online practices in today's digital world.

19th November 2025



CYBER SECURITY POSTER OF THE DAY

The Cyber Security Pledge Poster has been successfully displayed across the NIT campus.







Department of Psychiatry, NIMHANS, Bengaluru

LEARN

HOW TO MANAGE YOUR STRESS

GROUNDING TECHNIQUES

1. DEEP BREATHING EXERCISE

- SIT COMFORTABLY AND CLOSE YOUR EYES
- RIGHT HAND OVER YOUR CHEST AND LEFT OVER YOUR ABDOMEN
- INHALE FOR 3 SECONDS, HOLD FOR 3 SECONDS AND RELEASE.
- OBSERVE YOUR CHEST AND ABDOMEN AS YOU BREATHE
- REPEAT 2-3 TIMES A DAY, 5 MINUTES EACH.



2. SELF SOOTHING WITH 5 SENSES

- NAME 5 THINGS YOU CAN SEE
- 4 THINGS YOU CAN HEAR
- 3 THINGS YOU CAN FEEL
- 2 THINGS YOU CAN SMELL
- 1 THING YOU CAN TASTE



Website

www.telemanas.mohfw.gov.in

Call Tele MANAS

14416

A special Tele MANAS Mental Health Promotion Campaign was conducted by NIT Manipur during October–December 2025. IEC posters featuring the toll-free Tele MANAS helpline and QR code for the mobile app were displayed across all Boys’ and Girls’ Hostels, Academic Block, and Administrative Block. The campaign also included screenings of mental health awareness videos during the INDUCTION PROGRAMME for newly admitted B.Tech students.

The initiative aims to promote stigma-free, confidential, specialised mental health services, available 24×7, free of cost, in 20 Indian languages through Tele MANAS.





The Institute Innovation Council (IIC), NIT Manipur successfully conducted a workshop on Entrepreneurship and Innovation on 9th December 2025 with Mr. Lenin Kshetrimayum, Director, Keithel Express Pvt. Ltd., as the resource speaker.

The programme was organised by Shri. Maibam Hemjit Singh, Asst. Registrar & Member IIC, on behalf of the IIC with the objective of sensitising students and staff to the contemporary relevance of entrepreneurial development and innovative thinking.

Mr. Lenin shared valuable insights from his journey in the logistics and export sector, giving participants a practical understanding of opportunity identification, risk, innovation, and ethical business practices.

Around **50** participants—students, faculty, staff, and research scholars—actively engaged in the interactive session.

Combined Annual Training Camp (CATC-137)

15th to 21st December 2025

Brighter Academy, Khumbong, Imphal West

The Combined Annual Training Camp (CATC-137) was conducted successfully at Brighter Academy, Khumbong, from 15th to 21st December 2025, under the able leadership of Mutum Sandip Singh, 1(M) Air Sqn NCC, Imphal.

The camp provided an excellent platform for developing discipline, leadership, unity, and overall personality among cadets. A total of **25** cadets from NIT Manipur actively participated and successfully completed all training activities.

The camp included:

- Physical training, drill & parade
- Weapon training and firing practice
- Map reading, field craft & field signals
- Lectures on leadership, NCC values & national integration
- Sports, recreational activities, campfire & cultural programmes

An enriching and memorable experience that strengthened teamwork, confidence, and the true spirit of NCC.



Information for Institute Newsletter (October to December 2025)

1	Workshop / FDP / Training conducted
	1. Title: Training programmes on “Beekeeping, Floriculture, and Fruit Orchards” sponsored by the Ministry of Environment, Forest and Climate Change, with Dr. A. Azhoni, as Principal Investigator, were conducted at three villages in Senapati District during the month of October 2025.
	 Figure: Training participants at Pudunamai village, Senapati District on 11th October 2025 World Food Day 2025 observed under the global theme <i>“Hand in Hand for Better Foods and a Better Future.”</i> at Mao- Maram Higher Secondary School, Tadubi, <i>Senapati District</i> to raise awareness about biodiversity and indigenous food on 16th October 2025 and at Government Middle School, Pfutseromi, Nagaland on 22nd October 2025  Figure: Students and teachers at Mao-Maram Hr Sr School Tadubi on 16th October 2025.



Figure: Students and teachers observing World Food Day at Govt. Middle School, Pfutseromi, Nagaland, organised by NIT Manipur on 22nd October 2025.

2. Title: “Two Days Capacity Building Workshop on Innovation Design & Entrepreneurship”
Date: 20th -21st November 2025-Orgd. under AICTE-MoE Innovation Cell-DoSEL Funding and hosted by CBDE Cell, NIT Manipur



Expert Speakers: Prof. S.S. Khanka (retired Professor, NIFM), Dr. Sudipto Bhattacharya, (Wadhvani Foundation) and Dr, Suprabha KR (Wadhvani Foundation)

Educators capacitated on innovation, entrepreneurship

CHRONICLE NEWS SERVICE

IMPHAL: A two-day capacity building workshop on ‘Innovation, Design and Entrepreneurship’ jointly organised by NIT, Manipur and Ministry of Education’s Innovation Cell began on Thursday at Hotel Imphal, here, with a call to equip school and higher secondary educators with practical knowledge to nurture young innovators.

The inaugural session was attended by Dhanamanjuri University vice-chancellor Prof W Chandrababu, AICTE MoE Innovation Cell officer in-charge Mayur Borkar, NIT, Manipur CBDE coordinator Dr Ngangbam

Romeji, NIT assistant professor Dr Wangkheirakpam Vandana, NIT registrar Prof Kh Tomba, MIC/Institutions in-charge Prof SS Khanka, and Prof Sudipto Bhattacharya.

Speaking at the event, Prof Tomba stressed that the programme is an initiative of the Ministry of Education designed mainly for principals, vice-principals and senior teachers at school and higher secondary levels. He said that in an era driven by innovation and entrepreneurship, hands-on experiments are essential beyond theoretical classroom learning.

“The workshop aims to familiarise teachers with practical

methods so they can guide students in developing creativity and new ideas,” he conveyed, adding that entrepreneurship requires production skills, labour, capital and organisational capability, and that training teachers to understand these components is crucial. “NIT Manipur is conducting the workshop to provide this exposure,” he informed.

Prof SS Khanka, an academician and professor of entrepreneurship at the National Institute of Financial Management, along with other experts from the Ministry, will serve as resource persons for the training programme.

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English Edition | 2025-11-22 | Page- 8
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NIT Manipur wraps up workshop on “Innovation, Design and Entrepreneurship”

By Our Staff Reporter

IMPHAL, Nov 21 : National Institute of Technology (NIT) Manipur has successfully conducted a 2-Day Capacity Building Workshop on “Innovation, Design and Entrepreneurship (IDE)” from November 20 to 21, 2025.

The workshop, held at Imphal, was part of a nationwide initiative aimed at strengthening innovation, creativity, design thinking, and entrepreneurship skills among district-level education leaders, in alignment with the National Education Policy (NEP) 2020.

The workshop was organised in collaboration with the Wadhvani Foundation, renowned for promoting entrepreneurship education.

As per a release issued by NIT Manipur, the National rollout of the IDE workshop was inaugurated on October 30, 2025 by Prof Sitharam T G, Chairman, AICTE; Dheeraj Sahu, Additional Secretary, DoSEL and Dr Abhay Jere, Vice Chairman, AICTE.

The initiative covers 25 States and 2 Union Territories, involving District Education Officers and DIET Members across India.

The inaugural function of the workshop held at Imphal

yesterday was graced by by dignitaries, including Prof W Chandrababu, Vice Chancellor, Dhanamanjuri University; Prof Kh Tomba, Registrar, NIT Manipur; Mayur Borkar, Regional Co-ordinator, Innovation Cell, Ministry of Education, Government of India; Prof SS Khanka, NIFM Faridabad; Dr Ngangbam Romeji, Assistant Professor and CBDE Co-ordinator/ PI, NIT Manipur; Dr Wangkheirakpam Vandana, Assistant Professor and CBDE Co-PI, NIT Manipur; Dr Suprabha R. Wadhawani Foundation; and Prof Sudipto Bhattacharya.

A total of 65 participants, including Government Officers, District Education Officers, and DIET faculty members, participated in the two-day workshop.

The workshop featured 12 technical and hands-on sessions, which focused on practical learning, group activities, and design-based problem solving.

Moreover, NIT Manipur has expressed its sincere gratitude to the Ministry of Education, DoSEL, AICTE-MIC, and the PM SHRI initiative for selecting the institute as the Nodal Centre for the Phase-3 Capacity Building Workshop on IDE for District Education Officers and DIET members.

3. Title: “A 5-Days Online International Workshop Women in Engineering: Exploring Emerging Technologies for a Smarter Future” (1st -5th December 2025)



4. ATAL Faculty Development Programme titled “*Advanced Power Converter Technologies for Next-Generation Electric and Hydrogen Fuel Cell Vehicles*” was held from 13th October to 18th October 2025 at National Institute of Technology, Manipur.

The AICTE-ATAL Online Faculty Development Programme (FDP) on “*Advanced Power Converter Technologies for Next-Generation Electric and Hydrogen Fuel Cell Systems*” was organized by the Department of Electrical Engineering, National Institute of Technology Manipur, from 13th to 18th October 2025. The programme aimed to provide in-depth knowledge and recent advancements in power converter technologies, electric mobility, and hydrogen fuel cell systems for sustainable transportation and energy applications.

This FDP brought together eminent experts from IITs, NITs, R&D organizations, and industries, who delivered insightful sessions on various topics including wide bandgap semiconductor converters, high-efficiency power conversion, battery management systems, and grid integration of electric vehicles and fuel cell systems.

A total of around 250 participants from different parts of the country, comprising faculty members, research scholars, and industry professionals, actively participated in the programme. The sessions were highly interactive, and participants appreciated the technical content, practical relevance, and exposure to emerging research areas.



5. Dr. Anil Kumar Birru, organized for International Colloquium on “*Biomechatronics Innovations for Modern Healthcare-2025*” held on 20th December 2025 to 21st December 2025, organized by Department of Mechanical Engineering, National Institute of Technology Manipur, India.

6. Internal Hackathon on UBA EduThorn 2025 (3rd–7th November 2025)

An internal hackathon on UBA EduThorn 2025 was organized from 3rd to 7th November 2025 as part of the five-day online UBA EduThorn on School Education, conducted by the Subject Expert Group at MNIT Jaipur. The hackathon was designed to harness student creativity and generate scalable, cost-effective innovations inspired by the School Model and progressive education policies. UBA EduThorn 2025 was conducted at the national level, witnessing participation from institutes across the country. A total of five teams participated from NIT Manipur, along with one team from Manipur Technical University, Imphal. Among these, two teams from NIT Manipur were declared winners at the national level.



7. Celebration Of UBA Foundation Day.

The Unnat Bharat Abhiyan (UBA) Foundation Day was celebrated on 11th November 2025 at Kabowakching Nambol Bazar under the initiative of UBA cell, NIT Manipur. Since the state is in an alarming condition due to the widespread of dengue, an awareness program along with odomos ointment and plant sapling distribution was improvised. The session was attended by around 40 participants, including local villagers and committee members. The participants mostly consist of women, senior citizens and children. The program commenced with a welcome speech delivered by Ms. Nancy Phurailatpam, UBA Project Staff. A short speech on UBA and what does it do along with its impact on rural life was given. The reason why this particular topic on dengue is selected was also made to understand to the participants.

Following the welcome address, a talk on “Dengue Awareness and Prevention” was delivered by Dr. Bidyabasuni, Medical Officer, NIT Manipur. The highlight of the speech was the sensitization the villagers on how dengue is transmitted, how to differentiate the dengue mosquito *Aedes aegypti* from the normal mosquito, preventive measures, and the importance of maintaining hygiene and cleanliness to control mosquito breeding.

As a gesture of appreciation, Dr. Nabjit Sarkar, RCI Coordinator, felicitated Dr. Bidyabasuni, the Club Secretary, and the Secretary of Langolakpa Lai Committee for their valuable participation and support in the program.

The event continued with the distribution of Odomos ointments and tree saplings to the villagers, followed by light refreshments. The villagers were satisfied with the programme, interaction was done with the medical officer as the villagers raising their queries on dengue.

The programme was successful, the villagers request us to conduct more of this kind of awareness programme in the nearby schools if possible. The institute’s staff Arnold, Bidyasagar and MTech students of Civil Engineering department altogether actively involved in making this programme a successful one.



8. Webinar on “People-Based Development: Concept and Practice”

A webinar on “People-Based Development: Concept and Practice” was conducted on 4th December 2025 under the aegis of UBA–NIT Manipur, specifically for the participating institutes under NIT Manipur. The invited speaker was Prof. Varun Vidyarthi, Programme Director, *Manavodaya Institute of Participatory Development*, Lucknow.

The key takeaways from the session included:

- Training of trainers for successful implementation of the UBA programme, based on thirty years of field experience, to build faculty capacity.
- Complementary knowledge and skills to raise youth awareness in alignment with the Values Education mandate of NEP.
- Guidance on mobilizing additional funds from other government departments, including DST.
- Networking opportunities for continuous experience sharing through social media at national and international levels, enabling institutions to engage in dialogues on value-based development practices.

	During the interactive session, participants raised queries regarding the effective involvement of non-technical institutions in the UBA programme. It was clarified that, although IIT Delhi serves as the coordinating institute, UBA encourages participation from students across all disciplines in nation-building activities. Institutions were advised to identify their focus areas in consultation with regional or national coordinators, and flexibility in joining different programme batches was also emphasized. Overall, the webinar proved to be highly productive and informative. It facilitated meaningful discussions on value-based and people-centric development approaches and provided clarity on programme implementation strategies. The session concluded with a recommendation for RCIs to finalize dates convenient for participating colleges, enabling timely confirmation of participants for various programme phases. 
2	Conferences
	1. Kalyan Mondal and Thingbaijam Sharaju, "Semi-Circle Monopole Antenna with Tilted Microstrip Feed for Circularly Polarized and X-Band Gain Boosting," IEEE MAPCON, Kochi, Kerala 14 -18 Dec., 2025. 2. Dr. Benjamin A. Shimray has acted as conference chair for "2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies". The conference is organized by Electrical Engineering Department, NIT Jamshedpur in association with IEEE Kolkata Section-Silchar Industrial Electronics Society Chapter and Student Branch, NIT Manipur. 3. Rajesh Kumar Bhushan, Ajeesh M Kurup, Navin Kumar, Naveen Kumar Assessment of Osteonecrosis-Induced Changes in the Viscoelastic and Biomechanical Properties of Human Trabecular Bone. The 4th International Biomedical Instrumentation and Technology Conference, 13- 14 November 2025, University of Indonesia Yogyakarta, Indonesia.

		
4.		
3	Achievement of Faculty Members and Staff	
	Awards: 1. Dr. Prabhat Kumar is appreciated as a Session Chair in the renowned 20th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC-2025) held during 18th to 20th Dec 2025 at IIT Guwahati. 	2. Prof. Rajesh Kumar Bhushan received best presenter award for Research Paper presented in the 4th International Biomedical Instrumentation and Technology Conference, 13- 14 November 2025, University of Indonesia, Yogyakarta, Indonesia.



3. Dr. Chandi C. Malakar, Associate Professor, Dept. of Chemistry has been elected for the Bronze Medal Award for 2026 from Chemical Research Society of India.
4. Dr. Chandi C. Malakar, Associate Professor, Dept. of Chemistry has been elected for the Council Member for Chemical Research Society of India.

Lecture / Keynote speech delivered / Invited Speakers

1. **Dr. W. Vandana Devi**- "Emerging Trends in Semiconductor Technology and Applications" organized by Manipur Institute of Technology funded by AICTE- VAANI (**9th -10th October 2025**).
2. Dr. Ashwini D. Manchalwar Delivered an expert session on "Peer-to-Peer Energy Trading in a Distribution System" in 5 days (15-19 Dec 2025) online FDP on "Emerging Technologies for Smart and Secure Microgrid Operation with Integrated E-Mobility Solutions" organized by Rajarambapu Institute of Technology (RIT), Rajaramnagar, Maharashtra, India.
3. **Dr. Prabhat Kumar** delivered a lecture on "Capacity Building for Excellence in Research Proposal Writing and Grant Funding", one day expert talk on 19th December 2025 in Trinity Academy of Engineering, Pune organised by Management and the R&D Cell of the Institute.



KJ'S EDUCATIONAL INSTITUTE
TRINITY ACADEMY OF ENGINEERING, PUNE
(ACCREDITED BY NAAC WITH 'A+' GRADE)



A research focused session

**"Capacity Building for Excellence in Research
Proposal Writing and Grant Funding"**

Organized By
Research and Development Cell
19th Dec 2025, 9.30 am

Invited Speaker
Dr. Prabhat Kumar
Assistant Professor & Head of Department
Department of Mechanical Engineering
National Institute of Technology (NIT), Manipur, India.



4. Dr. Anil Kumar Birru, delivered an invited talk on "3D-Printed TPMS-Structured PLA/MgTiO₃ Scaffolds: Enhancing Bioactivity and Antibacterial Function for Bone Regeneration" on the International Conference (ICABTEMD 2025) at National Institute of Technology Rourkela, India during 28th to 30th Nov 2025.



5. Dr. Chanam Barchand Singh delivered an invited talk at the Two-Day National Conference on Recent Trends in Mathematics, organized in celebration of National Mathematics Day 2025, held on December 22–23, 2025.
6. Dr. S. Surendra Singh delivered a lecture on "XV Conference of Physics Academy of the North-East 18 - 20 November, 2025 organized by Department of Physics, Nagaland University".
7. Dr. S. Surendra Singh delivered a lecture on "Two-Day National Conference on Recent Trends in Mathematics In Celebration of National Mathematics Day 2025 Organized by Department of Mathematics, Manipur University 22-23 December 2025".
8. Dr. Ibetombi Soibam, Associate Professor, Dept. of Physics, delivered an Invited Talk entitled "Ferrites Material: From Synthesis to application" at the International conference

	on Advanced Materials for Sustainability and Innovation: Energy, Environment and Health (ICAMSI 2025), 12-14 Nov. 2025. Dept. of Physics, M.U 9. Dr. L. Herojit Singh, Associate Professor, Dept. of Physics, “Invited Talk at International conference on Advanced Materials for Sustainability and Innovation: Energy, Environment and Health (ICAMSI 2025)” organized by Department of Physics, Manipur University. 10. Dr. Ranjoy Wangkhem, DST INSPIRE Faculty, Dept. of Physics, delivered an Invited Talk entitled “On the mechanism of luminescent YVO₄:Eu³⁺ as turn-off luminescent probe for selective detection of Cu²⁺ ions” at the International Conference on Advances Materials for Sustainability and Innovation: Energy, Environment and Health (ICAMSI 2025), 12-14 November, 2025, organized by Department of Physics, Manipur University, Canchipur 11. Dr. Ranajit Saha has presented a Faculty Poster at the Physical Chemistry Symposium 2025 (SoPhyC 2025) during October 11-14, 2025 at Indian Institute of Technology Patna. 12. Dr. Ranajit Saha has attended the Emerging Science, Technology, and Innovation Conclave (ESTIC) 2025, 3-5th November 2025 at Bharat Mandapam, New Delhi 13. Conferences Attended: 1. Dr. Alok kumar Baranwal Served as a session chair for an IEEE Conference IEMECN (December 8th -10th, 2025), held at UEM, Jaipur, Rajasthan, India. 2. Dr. Benjamin A. Shimray has acted as conference chair and session chair in “2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies” .The conference is organized by Electrical Engineering Department, NIT Jamshedpur in association with IEEE Kolkata Section-Silchar Industrial Electronics Society Chapter and Student Branch, NIT Manipur. 3. Sonimla L. Ningshen, Themmi Ragui, Hormi Kashung, Benjamin A. Shimray, “A Hybrid Qualitative-Quantitative Evaluation and Ranking of Hydro Power Plant Sites using the BHARAT MCDM Approach” “2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies” 11-13 October 2025, NIT Jamshedpur. (Presented) 4. K. Kumar, V. Kumar Saxena, B. A. Shimray, V. Mali and S. Kr. Dwivedi, "Physics-Based Hybrid Analytical Empirical Model for GaN-HEMT Incorporating Dynamic Drift Velocity, Nonlinear Parasitics, and Thermal Feedback," IECON 2025 – 51st Annual Conference of the IEEE Industrial Electronics Society, Madrid, Spain, 2025, pp. 1-6, doi: 10.1109/IECON58223.2025.11221236. 5. V. K. Saxena, K. Kumar, Benjamin A Shimray, and S. K. Dwivedi, "Adaptive SoC-Dependent Fast Charging Optimisation with Degradation-Aware Scheduling in DC Microgrid Architecture for Electric Vehicles," 12th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2025). (Presented) 6. V. K. Saxena, K. Kumar, and Benjamin A Shimray, "Hybrid Simulation and Modelling Framework for GaN HEMTs Integrating Compact Models and Electrothermal Analysis in
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LTspice and MATLAB," 2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies (GUEST 2025), Jamshedpur, India. (Presented)

7. V. K. Saxena, K. Kumar, and **Benjamin A Shimray**, "Physics-Integrated Hybrid Modelling of GaN HEMTs Using PFNN and RLC-Based Circuit Co- Simulation for Accurate Switching Dynamics," 2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies (GUEST 2025), Jamshedpur, India. (Presented)
8. **Dr. Prabhat Kumar** attended 20th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC-2025 during 18th -20th Dec 2025 at Indian Institute of Technology Guwahati, Assam, India.



9. **Dr. Gopal Kumar**; presented a paper titled "*Dynamic Analysis of an Unbalanced and Cracked Rigid Rotor with Viscoelastic Supported Foil Bearings*" at 20th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC-2025 during 18th -20th Dec 2025 at Indian Institute of Technology Guwahati, Assam, India. (Supervisor: Dr. Prabhat Kumar, ME).



10. **A. Sibbo Anthony** presented a paper titled “*Modelling of Turbulent Natural Convection in a Cavity with Ra of 10^{11} using Reynolds Stress Model*” at 3rd International Conference on Advances in MANufacturing, THERmal and Design Engineering (MATHED-2025), organized by Department of Mechanical Engineering, National Institute of Technology Hamirpur, H.P. , India (26th – 28th December 2025). (Supervisor: Dr. H. Neerajan Singh, ME)
11. Avinash Petta presented a paper titled “Optimization and Influence Study of NaOH Concentration and Treatment Duration on Mechanical Characteristics of Pista Shell-PLA Green Composites using RSM-CCD” at North East International Conference on Innovation in Science and Technology, a hybrid conference held by the Manipur Institute of Technology (MIT) at Manipur University in 9th-11th December 2025. (Supervisor- Dr. Sabindra Kachhap, ME)
12. Dr. Ranjoy Wangkhem, DST INSPIRE Faculty, Dept. of Physics, presented a paper entitled “pH dependent sensing of $\text{Fe}^{3+}/\text{Fe}^{2+}$ ions with green emitting $\text{CaMoO}_4:\text{Tb}^{3+}$ nanoparticles and its application in anti-counterfeit security ink” XV Conference of Physics Academy of the North East (PANE 2025), 18 – 20 November 2025 organized by the Department of Physics, Nagaland University, Lumami.
13. Dr. Moirangthem Nirmalkumar Singh, Online Training Workshop titled ‘ RBI Data Lab: Learning India’s Economy’ during Nov. 1-3, 2025.
- 14.

Patents Granted

1. Prabhat Kumar, “Foil Bearing for High-Speed Oil-Free Turbo-Compressor” An Indian Patent (Filed on 16 Oct 2025).
2. Dr. Anil Kumar Birru, “Dental Implant Abutment and Crown Alignment” filing No: The Indian Patent Office, India, 477080-001 (Filed on: 15 Oct 2025)

	3. Dr. Anil Kumar Birru, “Mouthguard” filing No: The Indian Patent Office, India, 478369-001, (Filed on: 29 Oct 2025) Reviewer: 1. Dr. Moirangthem Nirmalkumar Singh, Reviewer of ‘Case Quest’, a pan India case study writing competition during 9-10, October, 2025. FDP Attended: 1. Dr. Moirangthem Nirmalkumar Singh, NPTEL -AICTE FDP of 8-weeks (Aug-Oct, 2025) on ‘Innovation, Business Models and Entrepreneurship’
3	Achievement of Students Awards: 1.Mr. Chiranjit Chaliha (Supervisor: Dr. Mamata Maisnam), Dept. of Physics, NIT Manipur, was awarded ‘Best Poster Award’ at the 89th Annual Session of the Indian Ceramic Society held on 27-29 Nov, 2025 at IIT Bombay. 2. Mr. Subhadip Pal (Supervisor: Dr. L. Herojit Singh), Dept. of Physics, NIT Manipur was awarded ‘Best Oral presentation’ at “The International Conference on Advanced Materials for Sustainability and Innovation: Energy Environment and Health (ICSMSI 2025)” on the title Interfacial Engineering of Boron Doped Graphene Oxide with Co-Ni dioxide. 3. Mr. Hijam Kangleicha Luwang (Supervisor: Dr. L. Herojit Singh), Dept. of Physics, NIT Manipur was awarded ‘Second best Oral presentation’ at “The International Conference on Advanced Materials for Sustainability and Innovation: Energy Environment and Health (ICSMSI 2025)” on the title Thermal Effect on the Barbosalite Investigated by Mössbauer Spectroscopy 4. Ms. Yengkhom Haripriya Devi (Supervisor: Dr. L. Herojit Singh), Dept. of Physics, NIT Manipur was awarded ‘North American Manipur Association (NAMA) Research Grant’2025 on the project entitled “Bamboo Derived Carbon dots@UIO-66(Hf) Based Hybrid as an Enhanced Electrocatalyst for Hydrogen Evolution Reaction (HER) Applications Conferences Attended 1. Elangbam Chingkheinganba Meetei participated and presented a paper in “Two-Day National Conference on Recent Trends in Mathematics In Celebration of National Mathematics Day 2025 Organized by Department of Mathematics, Manipur University 22-23 December 2025”. 2. Meghanil Singha participated and presented a paper in “Two-Day National Conference on Recent Trends in Mathematics In Celebration of National Mathematics Day 2025 Organized by Department of Mathematics, Manipur University 22-23 December 2025”. 3. Bharat Singh participated and presented a paper in “Two-Day National Conference on Recent Trends in Mathematics In Celebration of National Mathematics Day 2025 Organized by Department of Mathematics, Manipur University 22-23 December 2025”. 4. Amit Samaddar participated and presented a paper in “ONE-DAY NATIONAL SEMINAR ON RESEARCH LEDEARSHIP AND INNOVATION STRATEGIES FOR HIGHER EDUCATION, HELD ON 23RD DECEMBER 2025 AT THE DEPARTMENT OF MATHEMATICS, PRAVABATI COLLEGE MAYANG IMPHAL, MANIPUR, INDIA”.

	5. Thokchom Budhachandra Singh presented the paper “Development and Analysis of A New Optimal-Order Iterative Method for Scalar and Systemic Nonlinear Equation” in the Two-Day National Conference on Recent trends in Mathematics held on December 22-23, 2025, organized by Department of Mathematics, Manipur University, India. 6. Oinam Thoungamba presented the paper “Development of Higher-Order Iterative methods: Fourth and Eighth-Order Methods for Solving Nonlinear Equation” in the Two-Day National Conference on Recent trends in Mathematics held on December 22-23, 2025, organized by Department of Mathematics, Manipur University, India. 7. Ashim Kumar Sarmah presented the paper on “Cohomology Ring Structures of Fixed Point Sets of Involutions on Wall Manifolds ” at the Two-Day National Conference on Recent Trends in Mathematics held on December 22-23, 2025, organized by the Department of Mathematics, Manipur University. 8. Liizonai Kh presented the paper on “Cohomology Algebra of Generalized Klein Bottle P_n,m” at the Two-Day National Conference on Recent Trends in Mathematics held on December 22-23, 2025, organized by the Department of Mathematics, Manipur University. 9. Mr. Chiranjit Chaliha (Supervisor: Dr. Mamata Maisnam), Dept. of Physics, NIT Manipur presented a paper titled Two-step sintering of lead free ferroelectric ceramics for Solid-State and Pyroelectric Energy Harvesting Applications at International Conference on Research Advancements and Industrial Challenges in Glass and Ceramics on the occasion of 89th Annual Session of the Indian Ceramic Society held on 27-29 Nov, 2025 at IIT Bombay. Patents Granted NIL																				
4	List of Funded Project Sanctioned																				
	<table><tr><th>Sl. No</th><th>Title</th><th>Funding Agency</th><th>PI & Co PI</th><th>Amount</th></tr><tr><td>1</td><td>“Role of an Indigenous Biohybrid Material for Enhancing Electromagnetic Shielding Properties”</td><td>ISRO, Govt. of India</td><td>Dr. Kalyan Mondal (PI)</td><td>RS. 16,26,800.00/- (Rupees sixteen lakhs twenty six thousand eight hundred only)</td></tr><tr><td>2</td><td>DEVELOPMENT OF mHEALTH SOLUTION IN REMOTE TRIBAL AREAS OF MANIPUR THROUGH A CUSTOMIZED MOBILE SOLUTION (ONGOING)</td><td>IBITF, IIT BHILAI</td><td>P.I. DR. BENJAMIN A. SHIMRAY CoPI: Dr. Khelchandra Thongam</td><td>40.34 LAKHS</td></tr><tr><td>3</td><td>SMART ENERGY METER WITH IOT CAPABILITIES AND LOCALIZED POWER</td><td>MietY</td><td>PI: Dr. Loitongbam Surajkumar Singh Co P.I. DR.</td><td>109.50 LAKHS</td></tr></table>	Sl. No	Title	Funding Agency	PI & Co PI	Amount	1	“Role of an Indigenous Biohybrid Material for Enhancing Electromagnetic Shielding Properties”	ISRO, Govt. of India	Dr. Kalyan Mondal (PI)	RS. 16,26,800.00/- (Rupees sixteen lakhs twenty six thousand eight hundred only)	2	DEVELOPMENT OF mHEALTH SOLUTION IN REMOTE TRIBAL AREAS OF MANIPUR THROUGH A CUSTOMIZED MOBILE SOLUTION (ONGOING)	IBITF, IIT BHILAI	P.I. DR. BENJAMIN A. SHIMRAY CoPI: Dr. Khelchandra Thongam	40.34 LAKHS	3	SMART ENERGY METER WITH IOT CAPABILITIES AND LOCALIZED POWER	MietY	PI: Dr. Loitongbam Surajkumar Singh Co P.I. DR.	109.50 LAKHS
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		CONDITIONING (ONGOING)		BENJAMIN A. SHIMRAY	
	4	Synthesis of spinel structured lithium based soft ferrimagnets for application in satellite communication.	ISRO	Dr. Mamata Maisnam	Rs. 7,91,872.00
	5	Behavioral Changes of Oral Mucosa in Oral Squamous Cell Carcinoma (OSCS) Progression: An Electrical Characterization	ANRF	Dr. Ashis Ranjan and Dr. Mamata Maisnam	Rs 7,78,997.00
	6	Size-polydisperse model Ionic Liquids: Effect of ion size-polydispersity on the equilibrium/non-equilibrium behaviour and Nanotribology	ANRF – ARG	Dr. Lenin Singh Shagolsem	Rs. 43+ Lakh
5	List of Consultancy Works Conducted				
	Sl. No	Title	Agency	PI & Co PI	Amount
	1				
	2				
	3				
6	Major Equipments Purchased				
	Sl. No	Name	Manufacturer	Amount	
	1	Vector Network Analyzer (VNA) 1 – 14 GHz. Model no. R&S ZNLE 14	VVDN (Rohde & Schwarz) Technologies	Rs.22,86,200.00/- (Rupees twenty two lakhs eighty six thousand two hundred only)	
7	Research Publications				
	1. Akshitha, B., Anusha, B., Das, A. (2025). Review on the Strength Deformation Behavior of Granular Soil Mixed with Waste Tire Rubber. In: Dixit, M.S., Jaiswal, S.S., Shermale, Y., Singh, A.P., Maji, V.B. (eds) Proceedings of the Indian Geotechnical Conference (IGC 2024), Volume 2. IGC 2024. Lecture Notes in Civil Engineering, vol 708. Springer, Singapore. https://doi.org/10.1007/978-981-96-7862-4_34 (published on 14 Oct 2025) 2. Kiyam Babloo Singh, Aheibam Dinamani Singh, Merin Loukrakpam, “EEGPARnet: time-frequency attention transformer encoder and GRU decoder for removal of ocular and muscular artifacts from EEG signals” Springer Medical & Biological Engineering & Computing, December 2025. DOI: https://doi.org/10.1007/s11517-025-03506-8 3. Sapam Bikesh, Aheibam Dinamani Singh, Biraj Shougaijam, “Synergistic Performance of Vertically Aligned SnO2-NW/TiO2-NW Heterojunction for Ethanol Sensing and				

	Photodetector Application" IEEE TRANSACTIONS ON ELECTRON DEVICES, pp. 5631 – 5638, Vol. 7, No. 10 Oct. 2025, DOI: 10.1109/TED.2025.3602035. 4. Kalyan Mondal, Biplab Bag, Lakhindar Murmu, Debashish Pal, L. Lolit Kumar Singh, and P.P. Sarkar "Comparative Evaluation of Metamaterial-Inspired, Polarization-Insensitive and Angularly Stable Broadband FSS for 1.8 GHz GSM/2.4 GHz WiFi Applications" DOI 10.1109/LAWP.2025.3647630 5. Manoj Kumar, "Multiple TRNGs based on random number generation and its application in color image encryption and decryption", <i>Analog Integr Circ Sig Process</i> 126, 4 (2026). https://doi.org/10.1007/s10470-025-02526-6 6. Manoj Kumar, Maddi Subha Neelesh, Pankaj Kumar and, Perapu Shirisha, "Vibration Control System Based Upon Filters For Aircraft Applications", <i>Technische Sicherheit</i> ,25(10):268-274, October 2025. 7. Manoj Kumar, " Implementation of a TRNG Architecture based on Different Entropy Sources", <i>WSEAS Transactions on Electronics</i>, vol. 16, pp. 168-178, 2025 8. Kalyan Mondal, Biplab Bag, Lakhindar Murmu, Debashish Pal, L. Lolit Kumar Singh and Partha Pratim Sarkar, "Comparative Evaluation of Metamaterial-Inspired, Polarization-Insensitive and Angularly Stable Broadband FSS for 1.8 GHz GSM/2.4 GHz WiFi Applications" <i>IEEE Antennas and Wireless Propagation Letters</i>, Vol. pp. 2026. Print ISSN: 1536-1225, Online ISSN: 1548-5757, DOI: 10.1109/LAWP.2025.3647630 9. Jagritee Talukdar, Malvika, Basab Das, Ashutosh Srivastava, Wangkheirakpam Vandana Devi, Rajan Singh, "TMDC-based TFETs: Progress, potential, and pathways to energy-efficient electronics", <i>Micro and Nanostructures</i>, Volume 210, Nov. 2025, pp. 208460,,doi: 10.1016/j.micrna.2025.208460. 10. Sholahudin, Nazwan Hafiz Firdaus, Mrinal Bhowmik, "Cooling Load Prediction Using Machine Learning And Weather Parameters" October 2025, <i>AUSTENIT</i>, 17(2), 30–37. DOI: https://doi.org/10.53893/austenit.v17i2.11332 11. Kumar, P. V., Pal S., Birru, A. K., Jaganathan B.G., & Muthu, N. (2025). 3D-printed TPMS-structured hybrid PLA/MgTiO₃ scaffolds: Synergizing bioactivity and antibacterial performance for bone regeneration. <i>Biomaterials Advances</i>. Volume 177, 214370, ISSN.2772-9508. https://doi.org/10.1016/j.bioadv.2025.214370. 12. Athili, K., Birru, A.K., Ghosh, M. & Roy S. (2025). Effects of TiB₂ Nanoparticles on the Microstructure and Mechanical Properties of AZ91D Magnesium Alloy Processed Through Stir Casting Technique. <i>Metal Science and Heat Treatment</i>. Volume 67. ISSN 1573-8973. 236–243. https://doi.org/10.1007/s11041-025-01153-2. 13. Athili, K., Birru, A.K., Sinha, S., Burandagunta R.S., Bannaravuri P.K., & Ghosh M (2025). Enhancing Wear Resistance and Mechanical Properties of TiB₂ - Reinforced AZ91D Magnesium Alloys. <i>Journal of Materials Engineering and Performance</i>. Volume 34, ISSN 1544-1024. https://doi.org/10.1007/s11665-025-13020-5.
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14. M. R. Khan and **Huirem Neeranjana Singh**, "Modeling and optimization of castor biodiesel production employing chicken and swan goose eggshell derived green alkali heterogeneous catalyst: Comparative study of RSM, ANN and ANFIS approaches," *Biomass and Bioenergy*, vol. 201 (Oct 2025), no. 108091, p. 108091, 2025. DOI: <https://doi.org/10.1016/j.biombioe.2025.108091>.
15. . Mayanglambam Singhajit Singh, Barchand Chanam, " On improved Ankeny and Rivlin type polynomial inequality.", *Comptes rendus de l'Académie bulgare des Sciences*, Vol. 78, No. 10, October 2025.
16. Mayanglambam Singhajit Singh, Barchand Chanam, "On L^γ inequalities for polar derivatives of polynomials", *Applied mathematics E-notes*, pp: 557-563, Vol. 25, December 2025.
17. Ranaranjan Thoudam, Barchand Chanam, "New extensions of the well-known Rivlin's inequality.", *Applied Mathematics E-notes*, pp: 525-536, October 2025
18. Ranaranjan Thoudam, Barchand Chanam, "Integral inequality for the polar derivative of a polynomial with the Roots separated from zero", pp: 717-725, vol. 12, December 2025
19. Maisnam Triveni Devi, Thangjam Birkramjit Singh and Barchand Chanam, "Refinements of inequalities on extremal problems of polynomials", *Open Mathematics*, December 2025
20. Nirmal Kumar Singha and Barchand Chanam, "On integral extension of Ankeny and Rivlin-type inequality", *Annals of the University of Craiova*, Decemebr 2025
21. Nirmal Kumar Singha and Barchand Chanam, "On Turán and Bernstein-type integral mean estimates for polar derivative of a complex polynomial", *Publications de l'Institut Mathématique*, December 2025
22. Amit Samaddar and S. Surendra Singh, "Universe's accelerated expansion in $f(T,B)$ gravity: An observational perspective", *Modern Physics Letters A* (2025).
23. Samaddar, A., Singh, S.S. A new parametric study of $f(Q, B)$ gravity with modified Chaplygin gas and recent observations. *Eur. Phys. J. C* 85, 1357 (2025).
24. Amit Samaddar and S. Surendra Singh, *Observational Analysis of Exponentially Decaying Viscous Cosmology in $f(Q,C)$ Gravity*, *Fortschritte der Physik* (2025).
25. Amit Samaddar and S. Surendra Singh, *CPL-parametrized cosmic expansion in Galileon gravity: Constraints from recent data*, *Physics of the Dark Universe* 50, 102162 (2025).
26. Amit Samaddar, S. Surendra Singh, *Observational Constraints on $f(Q, C)$ Gravity with Extended Bose Einstein Condensate Dark Matter*, *Int J Theor Phys* 64, 299 (2025).
27. Anita Tomar, Khairul Habib Alam, Mohammad Sajid, Yumnam Rohen & S. Surendra Singh, *Fibonacci-Ishikawa iterative method in modular spaces for asymptotically non-expansive monotonic mathematical operators*. *J Inequal Appl* 2025, 126 (2025).

28. Amit Samaddar, S. Surendra Singh, A parametric reconstruction of cosmic acceleration in $f(T, B)$ gravity with a new Hubble ansatz, *International Journal of Modern Physics A* Vol. 40, No. 35, 2550170, (2025).
29. Khairul Habib Alam, Aswini Dolai, Yumnam Rohen, Sunil Panday, and Shaibal Mani. "On Picard-CR iterations involving weak perturbative contraction operators and application to reversible chemical reactions." *Applied Mathematics and Computation* 512 (2026): 129744. DOI: <https://doi.org/10.1016/j.amc.2025.129744>
30. Ekta Sharma, Shubham Kumar Mittal, Sunil Panday, and Lorentz Jäntschi. "An Efficient Iteration Method for Fixed-Point Approximation and Its Application to Fractional Volterra–Fredholm Integro–Differential Equations." *Axioms* 14, no. 11 (2025): 830. DOI: <https://doi.org/10.3390/axioms14110830>
31. Moirangthem Pradeep Singh, Sunil Panday, and Yumnam Rohen Singh. "Fixed Points of α s-Interpolative Contractions in S-Metric Spaces." 2026 (44) 2: 1-10. DOI: 10.5269/bspm.79259
32. A. K. Sarmah, K. S. Singh, "Involutions on Wall Manifolds", *Filomat* 39:29(2025), 10411-10417, DOI: <https://doi.org/10.2298/FIL2529411S>.
33. Moirangthem, Premjit M., and Lenin S. Shagolsem (2025). "Orientation transition in confined ionic block copolymer melts." *Physica Scripta***100**, 125950.
34. KedukhroKhupfu, MedemmerenLongchar, Watisenla Sangtam, **Ranjoy Wangkhem**, Raghmani Singh Ningthoujam and Naorem Shanta Singh, Does Ce^{3+} ion doping in $CaF_2:Tb^{3+}$ exhibit more luminescence than $CeF_3:Tb^{3+}$?, *Dalton Trans.*, 2025,54, 18064-18079.
35. N. Aljaar, A. A. Momani, M. Shtaiwi, I. A. Mansi, M. A. Qaderi, B. F. Ali, M. Al-Noaimi, Z. A. Algharaibeh, K. Kant K, **C. C. Malakar**, R. A. Haggam "Cu (I) and I₂ as Reagent Combination for the Conversion of β -Hydroxy Nitroso Scaffolds and Acetophenones into 2-Ketoaryl Naphthoxazoles: Studies of Antiproliferative Activities" *ChemistrySelect* **2025**, 10, e02828.
36. V. Sharma, A. Chaturvedi, **C. C. Malakar**, R. K. Rawal, M. Singh, V. Singh "Modular Synthesis of Cross-Conjugated Triethynylethylenes via Double Sonogashira Coupling: A Platform for π -Extended Frameworks" *Asian J. Org. Chem.* **2025**, 8, e70225
37. V. K. Malakar, D. Roy, **C. C. Malakar**, Y. M. Khetmalis, P. C. Mali, N. K. Poddar "Targeting IDO1 in Huntington's Disease: Network Pharmacology and Preclinical Evidence from *Coffea Arabica*" *Neurochem. Res.* **2025**, 50, 263.
38. S. Wahengbam, H. Sharma, P. R. Chanu, N. Masarkar, S. Mukherjee, M. B. Menon, **C. C. Malakar**, M. Roy "Bio-reductive Co (III)–doxorubicin complex for cancer cell-selective delivery of doxorubicin and potent anticancer activity" *RSC Med. Chem.*, **2025**, 16, 5382-5394
39. Y. Li; Y.-q. Liu; C. Ding; **R. Saha**; Z. Cui; S. Pan, Ng7Be2B5+: Binding of noble gas through both cationic beryllium and anionic boron centers, *J. Comput. Chem.*, **2025**, 46 (23), e70219
40. V. Saha; A. P. Cheah; **R. Saha**; Y. Zhao; G. Biswas, APTES modified magnetite nanoparticles as a theranostic nanocarrier: a study of loading and sustained release of daunorubicin, *Mater. Adv.*, (2025), 6, 6843-6855.

	41. R. Saha; P. K. Chattaraj, <i>Hepta-coordinated vanadium stabilized alkaline earth dimers: a DFT study</i>, <i>Phys. Chem. Chem. Phys.</i>, (2025) 27, 18504-18510. 42. Book Chapters: K. Kant, Th. A. Devi, A. Sonia, C. C. Malakar, Harnessing N=C–X Motifs for C–S, C–N, and C–O Bond Formation in Hetero(Arenes) Synthesis, - N-Heterosubstituted Iminoacyl Functions, Editor(s): Alan R. Katritzky, Richard J.K. Taylor, <i>Comprehensive Organic Functional Group Transformations II</i>, Elsevier, 2025, Pages 725–798, ISBN 9780080446554.
8	New Promotions / Appointments: 1. Dr. Benjamin A. Shimray has been elevated to the grade of IEEE Senior member.
9	Any other information Patent published 1.K. Jagannadha Rao, A. Das, N Akhila, K Saichandana and B Pravalika “Enhancing Load Bearing Efficiency of Sand and Rubber Mixture Using Nonwoven Jute Geo Textile (JGT)” (Application No. 202541074897 A) published on 05/09/2025 2.Dr. Angshuman Das Attended two days CBDE Pedagogy Workshop at NIT Manipur from 07-08 August 2025 3.Dr. Angshuman Das Attended Climate Change Conclave held on 16th and 17th October 2025 4. Dr Mrinal Bhowmik, Assistant Professor, Department of Mechanical Engineering, NIT Manipur, served as a reviewer for an international journal published by Springer Nature, reviewing a number of manuscripts for the journal <i>Materials Circular Economy</i>. This contribution reflects his active involvement in the global peer-review process and commitment to maintaining high academic standards. 5. Dr. Prabhat Kumar became a reviewer of 3 Journals, i.e., Mechanical Systems and Signal Processing, Journal of Vibration and Control, and International Journal of Mechanical Sciences. 6. Dr. Prabhat Kumar visited Manipur Technical University, Imphal on 29th Nov 2025 as an External examiner for B. Tech Practical End Sem examination for Design of Machine Components Lab. 7. Dr Prabhat Kumar attended six-day Online AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Advanced Power Converter Technologies for Next-Generation Electric and Hydrogen Fuel Cell Vehicles" conducted by NIT Manipur, 13th Oct to 18th Oct 2025. 8. Dr. Prabhat Kumar attended Six (6) days Online AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Mechanical Engineering for Modern World (Next-Gen Mechanical Engineering Technologies)" conducted by QIS College of Engineering & Technology, 03rd Nov to 8th Nov 2025.

	9. Dr Prabhat Kumar attended Six (6 a six-day Online Faculty Development Program under the Malaviya Mission Teacher Training Program on "Advances in Net-Zero Energy Applications" conducted by IIT Guwahati, 03rd Nov to 8th Nov 2025. 10. Dr AK Birru acts as an organising secretary for the International Colloquium on “Biomechatronic Innovations for Modern Healthcare-2025” held on 20th December 2025 to 21st December 2025, organised by the Department of Mechanical Engineering, National Institute of Technology Manipur, India. 11. Dr. Sabindra Kachhap attended the <i>Two-Day Capacity Building Workshop on Innovation Design & Entrepreneurship</i>, held from 20–21 November 2025 at the National Institute of Technology Manipur. 12. Dr. Sabindra Kachhap participated in the All-India Inter-NIT Faculty & Staff (Men) Cricket Tournament 2025–26, organized by Maulana Azad National Institute of Technology (MANIT), Bhopal. 13. Mr. Th. Ningthouba Singh (Supervisor: Dr. Mamata Maisnam), Dept. of Physics, NIT Manipur attended National Workshop at BARC, Mumbai India on 20 – 22 Dec. 2025). 14. Mr. H. Samananda Singh (Supervisor: Dr. Mamata Maisnam), Dept. of Physics, NIT Manipur attended a short-term programme on Semiconductor IC Manufacturing and Packaging Technology at IIT Guwahati, India on 5 -10 Dec, 2025. 15. Dr. Shagolsem Lenin Singh, Associate Professor, Dept. of Physics, NIT Manipur undertook a Research visit to the Simons Center for Living Machines at NCBS-TIFR, Bangalore, India, during 22 – 27 Dec. 2025. Possible collaboration avenues in the broad area of biology inspired physics with the faculty member of NCBS were discussed during the visit. 16. NIT Manipur faculty member Dr. Shagolsem Lenin Singh, Associate Professor and Head, Dept. of Physics, has been awarded an Advanced Research Grant (ARG) 2025 of the Anusandhan National Research Foundation (ANRF). Prof. Lenin Shagolsem’s research interest spans soft-condensed matter physics and statistical mechanics with a major focus on understanding heterogeneous complex environments in equilibrium and out-of-equilibrium conditions. Through this ANRF-ARG project, Prof. Lenin aims to understand the role of ion-size polydispersity on the phase and order behaviour, transport properties, and nano-tribological properties of ionic liquids. 
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Batch 2026 Placement Record Since September 2025

S/N	Company Name	No. of Offers	CTC (Lakhs per annum)
1	MICROSOFT	1	51
2	FISCHER JORDAN	1	31.8
3	FNZ	1	17
4	HSBC	2	16.43
5	KICKDRUM	1	15.73
6	EQ TECHNOLOGICS	1	14
7	IBM(SOFTWARE)	1	12.25
8	IBM(SYSTEMS)	1	12.25
9	ICICI BANK(SUMMER INTERNSHIP PPO)	2	12
10	ICICI BANK	9	12
11	ONEBANC	2	12
12	LOYALTY JUGGERNAUT	1	10
13	PUBLICIS SAPIENT	2	8.47
14	INFOLLION	1	8
15	SIGMOID	4	8
16	CUBASTION	1	7.72
17	DELOITTE	4	7.6
18	ASHOK LEYLAND	2	7.5
19	GLOBAL LOGIC	5	7.5
20	VASSAR LABS	1	7
21	AMI	4	6
22	L&T	6	6
23	ASAHI INDIA GLASS	2	5.5
24	BSES RAJDHANI	1	5
25	VA TECH WABAG	3	5
26	ACMEGRADE	1	5
	Grand Total	60	