

# DEEPENING OF SCIENTIFIC RESEARCH ON 5G USE CASES FOR SOLVING CHALLENGES OF SOCIETY

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## NER Tech Hackathon 2025

A ground-breaking initiative aimed at fostering innovation and technological advancements in the North-Eastern Region (NER) through 5G-based solutions. The event seeks to bring together students, startups, and innovators to tackle pressing societal challenges using cutting-edge technology.

### Event Details:

- Date: 11th March 2025
- Venue: Novotel, Downtown, GS Rd, Dispur, Rukmini Gaon, Guwahati, Assam 781006

### Themes:

The hackathon focuses on the following verticals, where 5G and emerging technologies can create impactful solutions:

- **Healthcare:** AI & 5G-driven health solutions to enhance remote health monitoring and accessibility.
- **Animal Husbandry:** Livestock management solutions for disease control and sustainable farming.
- **Agriculture:** Smart farming applications using IoT and AI for productivity improvement.
- **IoT for Oil & Gas:** Enhancing safety and environmental monitoring using smart technologies.

### Chief Guest:

Shri Longki Phangcho, Hon'ble Member of the North Eastern Council (NEC), was invited as the chief guest. He inaugurated the event with a ceremonial lamp lighting and shared insights on 5G innovation in the Northeast region.

### Judge Panel:

Below industry experts were the part of judging panel:

- Mr. Donald Mawlot
- Ms. Vartika Manasvi
- Ms. Smita Yedekar
- Dr. Prashant Jindal
- Dr. Soumya Chakraborty
- Dr. Amrita Anand
- Mr. Rubul Baruah
- Dr. Sajjan Kapil
- Mr. Raj Narula

### Prizes:

- First Prize: INR 10,00,000
- 3 Consolation Prizes: INR 2,00,000 each

### SUMMARY OF THE EVENT

- Total Registrations: 216
- Colleges Reached Out: 290
- Startups Reached Out: 201
- Incubation Centres Reached Out: 34

### Winners

The below teams were declared winners of the hackathon:

Winner Type	Team Name	Participants	Theme
Winner (INR 10,00,000)	IndiMeat	Sayanika Deka, Jubanayan Saikia	Agriculture
Consolation Prizes (INR 2,00,000)	Nibiaa Devices	Aeroshil Nameirakpam, Niranjoy Yengkhom, Soram Steleo Singh	IoT for Oil & Gas
Consolation Prizes (INR 2,00,000)	AgriSure	Dhiraj Hazarika	Agriculture
Consolation Prizes (INR 2,00,000)	Nutrixerix	Chinmoyee Rajkumari, Nipan Kumar Gogoi, Bandita Deka	Agriculture

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## Lab Activities at 5G Lab Guwahati

Interactive lab demonstration and in-depth discussion with NEHHDC and Army personnel on cutting-edge technologies.



Hands-on lab session and strategic discussion with NERCORMS and NEC officials on innovative solutions.



Technical demonstration and policy discussion with DOT officials, focusing on industry advancements.



Faculty and student engagement on digital health innovations, including an invitation to a workshop and insights into 5G lab and training programs.



Workshop on 5G technology and its real-world applications, tailored for a batch of students.



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## Lab Activities at 5G Lab Manipur

An awareness session was conducted at Jan Shikshan Sansthan (JSS), Wangjing Bazar, Thoubal District, Manipur, focusing on the 5G Lab at Manipur Institute of Technology, Manipur University Campus. The Director and students were invited to visit the lab and explore its capabilities for their startup ventures and real-world problem-solving. They were also encouraged to observe and familiarize themselves with the lab's tools and equipment.



Sugnu Higher Secondary School from Kakching District, Manipur, visited the 5G Lab as part of the 'Exposure Visit RAA for PMSHRI Schools' organized by Samagra Shiksha (Secondary), Manipur. During the visit, a demonstration was conducted showcasing the potential of the 5G Lab and its various applications.

Sugnu Higher Secondary School from Kakching District, Manipur, visited the 5G Lab as part of the 'Exposure Visit RAA for PMSHRI Schools' organized by Samagra Shiksha (Secondary), Manipur. During the visit, a demonstration was conducted showcasing the potential of the 5G Lab and its various applications.

KUMBI SANDHONG UPPER PRIMARY SCHOOL, Manipur, also took part in an 'Exposure Visit' to the 5G Lab, gaining insights into its innovative applications through live demonstrations.





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## Lab Activities at 5G Lab Shillong

A demonstration was conducted for three PhD students from NEHU, introducing them to the 5G Lab and its various use cases. The session provided insights into the lab's advanced capabilities and potential applications in research and innovation.



For more information  
visit [www.nec5g.org](http://www.nec5g.org)  
or scan the QR code

