



Project End Report

“

North East

is becoming the **Driving Force**
of the

Country's Development.”

PM Narendra Modi

At Itanagar, Arunachal Pradesh



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1. Project Objective (100 Words)

The project “Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society” was conceptualized as a strategic intervention to strengthen the technological and innovation ecosystem across the eight states of the North Eastern Region (NER) of India. The primary objective was to transform existing 5G laboratories into fully operational, standardized, and future-ready Centres of Excellence capable of supporting advanced research, experimentation, and real-world solution development. The initiative aimed to empower students, faculty members, startups, women, and tribal communities by providing hands-on exposure to 5G, IoT, AI, Edge Computing, and related technologies. By fostering academia–industry–government collaboration, the project sought to address critical societal challenges in agriculture, healthcare, disaster management, environmental monitoring, and public services, while simultaneously nurturing innovation, entrepreneurship, and long-term digital sustainability in the region

2. Project Scope

Component/Sub - Component	Original Scope	Revised Scope	Reason(s) for the modification if there have been any
Infrastructure Enhancement	Upgrading and standardizing all eight 5G labs with: <ul style="list-style-type: none"> • 5G NIAB • MEC platforms • IoT sensor systems • Video analytics modules • Drones and environmental monitoring kits • Project management dashboard 	No Change	
Capacity Building & Talent Development	<ul style="list-style-type: none"> • SME-led trainings and workshops • Hackathons, Ideathons, and community events • Curriculum support and hands-on learning • Industry expert sessions and consultant-driven engagements 	No Change	
Research, Innovation, and Use-Case Development	Empowering students and innovators to build solutions for: <ul style="list-style-type: none"> • Agriculture & climate resilience • Health & telemedicine • Livestock & fisheries • Oil & gas safety 	No Change	

	<ul style="list-style-type: none"> • Public service delivery • Disaster management • Environmental monitoring 		
Alignment with National and Regional Priorities	<p>The initiative aligns with multiple national missions and regional development frameworks, including:</p> <ul style="list-style-type: none"> • Digital India Mission • Atmanirbhar Bharat (self-reliance through innovation) • National Education Policy (NEP) 2020 (innovation & hands-on learning) • Startup India • Skill India Mission • SDG-2030 Development Goals • MDoNER's objective of socio-economic development of NER • NEC's vision for technology-enabled regional growth 	No Change	
Strategic Beneficiaries	<p>The project benefitted a wide spectrum of groups across the eight states:</p> <ul style="list-style-type: none"> • Students (engineering, science, agriculture, IT) • Faculty members & researchers • Local startups and entrepreneurs • Women-led community groups • Farmers, healthcare workers, and rural innovators • Industry partners and government departments 	No Change	

3. Location Map & Latitude/ Longitude: (Please attached map)

	
<p>Immanuel college Lingrejan, Dimapur , Nagaland Lat, Long – 25.9099° N, 93.7001° E</p>	<p>Manipur Institute of technology, 5G Lab, Manipur University, Imphal, Manipur Lat, Long – 24.755052 N, 93.926477 E</p>
	
<p>Govt Serchhip College, Serchhip, Mizoram, Lat, Long – 24.755052 N, 93.926477 E</p>	<p>Department of ECE, NEHU, Mawlai, Shillong, Meghalaya. Lat, Long – 25.610187 N, 91.891283 E</p>



5G Training & innovation Lab, College of Agriculture,
Pasighat, Arunachal Pradesh.

Lat, Long - 28.087637 N, 95.31807 E



Tripura University, Agartala, Tripura.

Lat, Long - **23.761813 N, 91.262076 E**



Sanchaman Limboo Govt Degree College,, West Sikkim

Lat, Long - 27.284895 N, 88.227662 E



5G Experience Center, Tech City, Guwahati, Assam.

Lat, Long - 26.0818173 N, 91.5641111 E

4. Implementation Schedule

Item	Date	Remarks	Reasons for any changes of the schedule, and their effects on the project
AFS issue date			
Revised AA			
Re-Revised AA			
1 st Instalment (Part)			
1 st Instalment (Part)			
2 nd Instalment			
3 rd Instalment			
Tendering			
Date of Award of tender	09 Oct 2024		
Date of commencement of work	09 Oct 2024		

Scheduled date of completion			
Revised date of completion (if any)			
Actual date of Project completion			

5. Project Cost

Component	Original Cost (Rs Lakh)	Actual Cost (Rs Lakh)	Reason(s) for the wide gap between the original and actual, if there have been any, the remedies you have taken, and their results.
5G Upgrade as per detailed specifications	INR 10,28,58,530	INR 10,28,58,530	
Incubation support for each lab			
Dedicated Mentors			
Two Dedicated Consultants for six months			
Two Hackathon			
Dashboard Management			

6. Organizations for Implementation

The successful planning, execution, and completion of the project *“Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society”* was made possible through a well-defined organizational framework involving multiple stakeholders at the national, regional, institutional, and field levels. The implementation structure ensured effective coordination, transparency, accountability, and sustainability across all eight states of the North Eastern Region (NER).

6.1 Planning and Coordination

a) Project Management

The project was managed through a centralized governance structure led by NERCORMS under NEC and MDoNER. Amantya Technologies served as the technical implementation partner, supported by dedicated SMEs at each 5G lab to ensure smooth on-ground execution.

b) Beneficiary Identification

Beneficiaries were identified through an inclusive and structured approach across all eight North Eastern states. Target groups included students, faculty, startups, women-led SHGs, tribal youth, and local entrepreneurs, with host institutions acting as nodal points supported by outreach and awareness activities.

c) Resource Allocation

Financial and technical resources were equitably allocated across all locations. This included standardized 5G infrastructure, skilled SMEs, industry experts, and funding for trainings, hackathons, and outreach, monitored regularly for optimal utilization.

d) Capacity Building

Capacity building was a key focus, delivered through structured trainings, workshops, hackathons, and expert sessions. SMEs trained faculty, students, and startups in 5G and emerging technologies to strengthen employability,

research, and entrepreneurship. Key activities included:

- SME-led trainings and workshops
- Hackathons, ideathons, and community events
- Curriculum support and hands-on learning
- Industry expert sessions and consultant-driven engagements

e) Monitoring and Evaluation

A centralized project dashboard tracked real-time progress across all locations. Regular data updates and periodic reviews by NERCORMS and NEC ensured transparency, performance tracking, and timely corrective actions.

f) Reporting

Weekly and fortnightly reports were submitted throughout the project, capturing quantitative metrics (participants, trainings, prototypes) and qualitative insights on learning outcomes and ecosystem impact.

g) Sustainability Planning

Sustainability was embedded in the project design by enabling host institutions to operate and maintain the labs independently. Long-term sustainability is supported through academic integration, industry partnerships, public-private collaborations, incubation support, and alignment with digital missions.

h) Risk Management

Project risks were proactively managed through SME deployment, standardized infrastructure, regular monitoring, and stakeholder coordination, ensuring timely issue resolution and minimal execution delays.

6.2 Institutional Arrangement

A multi-tier institutional arrangement was established to ensure effective implementation, coordination, and supervision at both regional and field levels.

a) Community Mobilization and Beneficiary Selection

Community mobilization was carried out through awareness programs, institutional outreach, hackathons, workshops, and industry interactions. Academic institutions, faculty coordinators, and SMEs jointly facilitated engagement with students, startups, women's groups, and local innovators. This participatory approach ensured that beneficiaries were not only selected but also actively involved in shaping use cases relevant to local socio-economic challenges.

b) Field-Level Implementation Support

Field-level implementation was supported by the deployment of dedicated SMEs at each 5G lab. These SMEs provided continuous on-site technical support, conducted demonstrations, guided hands-on experiments, and facilitated use-case development. They acted as the primary interface between beneficiaries, institutions, and the central project management team, ensuring seamless execution of activities at the grassroots level.

c) Training and Capacity Building

Institutional arrangements supported continuous training and skill development through collaboration between SMEs, faculty members, industry experts, and consultants. Training programs were designed to build both foundational and advanced competencies in emerging technologies. Faculty involvement ensured institutional ownership, while student-centric learning approaches promoted innovation and experimentation.

d) Monitoring and Supervision

Monitoring and supervision were carried out through a combination of on-site oversight by SMEs and centralized supervision by NERCORMS and NEC. The digital dashboard enabled real-time supervision, while periodic reviews and audits ensured compliance with project objectives and guidelines. This structured supervision framework ensured quality, transparency, and accountability throughout the project lifecycle.

7. Photographs of Output of the Project: (Please attach)

Hackathons

The NER Tech Hackathon 2025 was a flagship initiative designed to accelerate innovation and technological advancement in the North-Eastern Region (NER) by leveraging 5G and emerging technologies. The event served as a collaborative platform for students, startups, innovators, and entrepreneurs to develop impactful solutions addressing critical societal challenges in areas such as agriculture, healthcare, education, and connectivity.

With a strong emphasis on empowering **women, youth, and self-help groups**, the hackathon aimed to nurture creativity, critical thinking, and problem-solving skills while fostering an innovation-driven ecosystem in the region. As part of the project, **two hackathons were successfully organized**, providing participants with mentorship, hands-on experience, and opportunities to transform their ideas into scalable solutions for regional development.

Objectives of the Hackathons:

The hackathons were conceptualized with the following goals:

- **Promote innovation** among students and young entrepreneurs
- **Encourage problem-solving** using 5G, IoT, AI, and Edge Computing
- **Identify region-specific use cases** for agriculture, health, environment, mobility, and governance
- **Create functional prototypes** capable of real-world deployment
- **Strengthen collaboration** between academia, industry, and government
- **Build a pipeline of innovators** for future incubation and startup pathways

7.1 Hackathon 1: NER Tech Hackathon 2025

Date: 11th March 2025

Venue: Novotel, Downtown, GS Road, Dispur, Rukmini Gaon, Guwahati, Assam 781006

This hackathon was designed to empower innovators in the North Eastern Region by leveraging **5G, AI, IoT, and Blockchain**. It focused on practical solutions in **healthcare, agriculture, animal husbandry, and oil & gas**—sectors vital to NER’s socio-economic growth.

Themes:

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

- 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.

Eligibility Criteria:

- Open to startups, incubated innovators, and students from the North-Eastern states.
- Each team could have a maximum of three members.
- Winning teams to set up camp in 5G labs in North East.

Hackathon Structure:

- **Team Formation & Registration:** Participants registered their teams and submitted project proposals.
- **Screening & Shortlisting:** Ideas were reviewed by expert panels based on innovation, feasibility, and impact.
- **Mentorship & Prototyping:** Shortlisted teams worked on refining their solutions with industry mentors.

- **Final Presentation & Judging:** Teams presented their solutions before a jury panel, followed by winner announcements.

Agenda:

- **Opening Ceremony:** Keynote speeches and introduction to hackathon objectives.
- **Speaker Sessions:** Sessions on 5G applications, IoT, and AI-based innovations.
- **Presentations Phase:** Teams present their solutions with expert guidance.
- **Final Pitches & Judging:** Teams present their innovations to the panel.
- **Award Distribution & Closing Ceremony:** Winners announced, and prizes distributed.

Tools and Resources:

To support the participants in developing their solutions, the hackathon provides:

- **Reimbursement** of INR 5000 for the miscellaneous expenses.
- **Software Resources:** Access to high-speed internet and other required tools. Participants are encouraged to use their own software resources where applicable.

Food & Hospitality:

- All participants were provided **three meals** (breakfast, lunch, and dinner) at the venue for the entire duration of the hackathon.
- Tea and refreshments will be available throughout the event.

Evaluation Criteria:

Submissions will be assessed based on the following parameters:

- **Originality & Innovation** – The uniqueness of the idea and its creative approach.
- **Feasibility & Scalability** – Practicality of implementation and potential for large-scale impact.
- **Impact on Regional Challenges** – Effectiveness in addressing societal and economic issues in NER.
- **Presentation Quality & Prototype Viability** – Clarity of concept and technical execution

Hackathon Promotional Activities:

- **Pre-Event Media Coverage:** A total of 23 coverages were conducted across all eight Northeastern states, complemented by 16 digital coverages at both local and national levels.
- **Post-Event Media Coverage:** Following the hackathon, 18 coverages were published across Northeastern states, along with 11 digital coverages at local and national platforms.
- Targeted **social media campaigns** through Facebook & Instagram ads.
- **Direct outreach** to colleges, incubators, and startups via phone calls, emails, and campus visits.

Participation & Selection Process:

- **216 teams** submitted proposals across four key themes.
- Screening based on innovation and relevance to NER's challenges resulted in **60 shortlisted teams**.

Theme	Total Participating Teams
Healthcare	80
Agriculture	106
Animal Husbandry	14
Oil & Gas	16

Winners & Awards:

- Winners were chosen for their ability to propose **innovative, scalable, and impactful solutions** addressing regional challenges.

Award Category	Winning Team Name	Theme	Prize Amount
1st Prize (Winner)	IndiMeat	Agriculture	INR 10,00,000
Consolation Prize	Nutrixeric	Agriculture	INR 2,00,000
Consolation Prize	Nibiaa Devices Team	Oil & Gas	INR 2,00,000
Consolation Prize	AgriSure	Agriculture	INR 2,00,000

Key Outcomes:

- Empowered local innovators and entrepreneurs.
- Generated technology-led solutions for regional socio-economic challenges.
- Strengthened the innovation ecosystem within NER.
- Laid the foundation for **long-term development and implementation** of 5G-driven solutions.

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 – MD, NERCORMS
- Ms. Vartika Manasvi – Serial Entrepreneur
- Ms. Smita Yedekar – Entrepreneur, Founder of a Mobile Device Management company
- Dr. Prashant Jindal – Associate Professor at Panjab University, Chandigarh
- Dr. Soumya Chakraborty – Director & Dean, Nagaland Institute of Medical Sciences & Research (NIMSR), Kohima
- Dr. Amrita Anand – Scientific Researcher Indian Agricultural Research Institute, Delhi
- Mr. Rubul Baruah – CGM (Technical), AGCL
- Dr. Sajan Kapil – Assistant Professor, Department of Mechanical Engineering, IIT Guwahati
- Mr. Raj Narula – Director, InCa Synergies

7.2 Hackathon 2.0: NER Tech Hackathon 2025

Date: 12th May 2025

Venue: Courtyard Hebbal, Outer Ring Road, Jogappa Layout, Nagavara, Bengaluru, Karnataka 560045

Expanding the scope to **PAN India**, the second hackathon continued the focus on **5G, AI, IoT, and Blockchain**, while maintaining strong emphasis on **women, youth, and SHG empowerment**.

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.**

Eligibility Criteria:

- Open to startups, incubated innovators, and students from the North-Eastern states.
- Each team could have a maximum of three members.
- Winning teams to set up camp in 5G labs in North East.

Hackathon Structure:

- **Team Formation & Registration:** Participants registered their teams and submitted project proposals.
- **Screening & Shortlisting:** Ideas were reviewed by expert panels based on innovation, feasibility, and impact.
- **Mentorship & Prototyping:** Shortlisted teams worked on refining their solutions with industry mentors.
- **Final Presentation & Judging:** Teams presented their solutions before a jury panel, followed by winner announcements.

Agenda:

- **Opening Ceremony:** Keynote speeches and introduction to hackathon objectives.
- **Speaker Sessions:** Sessions on 5G applications, IoT, and AI-based innovations.
- **Presentations Phase:** Teams present their solutions with expert guidance.
- **Final Pitches & Judging:** Teams present their innovations to the panel.
- **Award Distribution & Closing Ceremony:** Winners announced, and prizes distributed.

Tools and Resources:

To support the participants in developing their solutions, the hackathon provides:

- **Reimbursement** of INR 5000 for the miscellaneous expenses.
- **Software Resources:** Access to high-speed internet and other required tools. Participants are encouraged to use their own software resources where applicable.

Food & Hospitality:

- All participants were provided with three meals (breakfast, lunch, and dinner) at the venue for the entire duration of the hackathon.
- Tea and refreshments were available throughout the event.

Evaluation Criteria:

Submissions will be assessed based on the following parameters:

- **Originality & Innovation** – The uniqueness of the idea and its creative approach.
- **Feasibility & Scalability** – Practicality of implementation and potential for large-scale impact.
- **Impact on Regional Challenges** – Effectiveness in addressing societal and economic issues in NER.
- **Presentation Quality & Prototype Viability** – Clarity of concept and technical execution

Hackathon 2.0 Promotional Activities:

- Pre-Event Media Coverage: A total of 25 coverages were conducted across all eight Northeastern states, complemented by 250 digital coverages at both local and national levels.
- Post-Event Media Coverage: Following the hackathon, 16 coverages were published across Northeastern states, along with 4 digital coverages at local and national platforms.
- Targeted social media campaigns through Facebook & Instagram ads.
- Direct outreach to colleges, incubators, and startups via phone calls, emails, and campus visits.

Participation & Selection Process:

- 772 teams submitted proposals across four key themes.
- Screening based on innovation and relevance to NER's challenges resulted in 60 shortlisted teams.

Theme	Total Participating Teams
Healthcare	364
Agriculture	215
Animal Husbandry	56
Oil & Gas	58

Winners & Awards:

- Winners were chosen for their ability to propose **innovative, scalable, and impactful solutions** addressing regional challenges.

Award Category	Winning Team Name	Theme	Prize Amount
1st Prize (Winner)	AkumenAI	Healthcare	INR 10,00,000
Consolation Prize	Zeuron.AI	Healthcare	INR 2,00,000
Consolation Prize	OncoALERT	Healthcare	INR 2,00,000
Consolation Prize	DESIGO®	Animal Husbandry	INR 2,00,000

Key Outcomes:

- Empowered local innovators and entrepreneurs.
- Generated technology-led solutions for regional socio-economic challenges.

- Strengthened the innovation ecosystem within NER.
- Laid the foundation for **long-term development and implementation** of 5G-driven solutions.

Chief Guest: Shri Satinder Kumar Bhalla, Hon'ble Secretary, Northeastern Council, Government of India, was invited as the chief guest. He inaugurated the event with ceremonial lamp lighting and shared insights on 5G innovation in the Northeast region.

Judge Panel:

Below industry experts were the part of judging panel:

- Dr. Amrita Anand – Scientific Researcher Indian Agricultural Research Institute, Delhi
- Dr. Sajan Kapil – Assistant Professor, Department of Mechanical Engineering, IIT Guwahati
- Mr. Raj Narula – Director, InCa Synergies
- Mr. Saji Radhakrishnan – Director & Dean, Nagaland Institute of Medical Sciences & Research (NIMSR), Kohima.
- Mr. Pradeep Garani – Senior Vice President in Reliance JIO. Worked in Motorola as a Director
- Mr. Deepak Agarwal – Partner, Portfolio Growth at Venture Catalysts
- Mr. Sreenivasa Rao Pudipatla – Technical Executive Manager, at Dassault Systems.

(Refer the attached Annexure 1)

7.3 Industry Speakers

S NO	NAME OF SPEAKERS	DESIGNATION
1	Dr. Soumya Chakraborty	Director & Dean, Nagaland Institute of Medical Sciences & Research, Kohima
2	Dr. Sajan Kapil	Assistant Professor, Department of Mechanical Engineering, IIT Guwahati
3	Dr. Prashant Jindal	Associate Professor at Panjab University, Chandigarh

S NO	NAME OF SPEAKERS	DESIGNATION
4	Smita Yedekar	Entrepreneur, Founder of a Mobile Device Management company
5	Vartika Manasvi	Serial entrepreneur
6	Dr. Eity Maheshwari	Infiheal Psychologist
7	Dr. Amrita Anand	Scientific Researcher Indian Agricultural Research Institute, Delhi,
8	Dr. SK Bhalla	(North East LSA)
9	Dr. Srishti Srivastava	Infiheal Psychologist
10	Mr. Rubul Baruah	(CGM (Technical), AGCL)
11	Dr. Vaishali Kolhe	(Assistant Professor-Centre for Disability studies, TISS)
12	Dr. Prabhjot Singh Sugga	(Associate Professor, SPA)
13	Dr. Dharmendra Yadav	Asst Professor & Nodal Officer (SAKSHAM), NIHFW
14	Dr. Ashok Puranik	Executive Director, AIIMS
15	Dr Anushka Shrivastava	Infiheal Psychologist
16	Sh. Nandlal Suchdev	DDG©
17	Dr. Lavleen Kaur	Infiheal Psychologist
18	Sh. Harsh Sharma	Dir(Rural), NE LSA DoT Shilong
19	Mr. Saji Radhakrishnan	Director & Dean, Nagaland Institute of Medical Sciences & Research, Kohima
20	Mr. Pradeep Garani	Senior Vice President in Reliance JIO. Worked in Motorola as a Director
21	Mr. Sreenivasa Rao Pudipatla	Technical Executive Manager, at Dassault Systems
22	Dr Jayanta Singh Yumnam	Executive Director of NIELIT, Akampat, Manipur
23	Dr Kishorjit Nongmeikapam	Registrar of Indian institute of information technology, Manipur
24	Shri Rakshpal Giri	Director of Department of Telecommunications, Manipur
25	Shri W Khellachandra Singh	Assistant Director of Department of Telecommunications, Manipur

S NO	NAME OF SPEAKERS	DESIGNATION
26	Mr. Paul L Khuma	Hon'ble Deputy Commissioner of Mizoram
27	Mr. Gumsen lollen	State President, BJP Kishan Morcha, Arunachal Pradesh
28	Mr. Bijay Kumar Upadhyay	Hon'ble Principal of Tripura Institute of Technology
29	Mr. Deepak Agarwal	Partner, Portfolio Growth at Venture Catalysts
30	Prof. S. Umdor	Pro Vice Chancellor of NEHU, Shillong, Meghalaya
31	Prof. Md. Iftekhar Hussain	Dean, School of technology, NEHU, Shillong
32	Mr. Sudip Mazumdar	Deputy CTO, RF JIO

7.4 Project Milestones

The project “Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society” achieved several key milestones across infrastructure enhancement, capability development, innovation promotion, ecosystem expansion, and institutional strengthening. These milestones collectively enabled the creation of a region-wide 5G innovation ecosystem across the North Eastern Region (NER).

The milestones reflect a combination of quantifiable progress and qualitative transformations, ensuring that the upgraded 5G Labs transitioned into active hubs of learning, experimentation, and impact creation.

7.4.1 Capacity Building through Student and Faculty Engagement

Milestone 1: At least 3,000 students and faculty utilizing the lab for training, testing, and product development during the project year.

Achievement: A total of 7000+ students, faculty members, and professionals have visited and actively utilized the lab, more than doubling the initial target.

Visitors	Counts
Student	6704
Faculty	169
Entrepreneur	25
Professional	168
Official	76
Total	7141

7.4.2 Product/Solution/Testing/Training/Ips Development

Milestone 2: 40 Product/Solution/Testing/Training/Ips Development to be developed or tested during the project year.

Achievement: 40+ Product/Solution/Testing/Training/Ips Development have been successfully completed.

Summary Table – Use Cases Developed

Theme	No. of Projects
Agriculture	18
Healthcare	6
Governance	16
Livelihood	12

(Refer the attached Annexure 2)

7.4.3 Popularization of 5G Short-Term and MOOC Courses

Milestone 3: Popularize 5G short-term courses/MOOC courses already approved by the Telecom Sector Skill Council (TSSC).

Achievement: We have successfully conducted and promoted these courses, ensuring wide participation from students and professionals across the region. A total of 3500+ learners has enrolled in different 5G short-term courses till date.

5G Labs NER State	Number of Courses Conducted
COA, Pasighat, Arunachal Pradesh	45
Govt Serchhip College, Serchhip, Mizoram	70
Immanuel College, Dimapur, Nagaland	120
MIT, Imphal, Manipur	71
NEHU, Shillong, Meghalaya	107
Sanchaman Limboo Govt Degree College, Geyzing, West Sikkim	51
Tech City, Guwahati, Assam	60
Tripura University, Agartala, Tripura	61
Grand Total	585

(Refer the Annexure 2 for the Course Details)

7.4.4 Facilitation and Awareness for Local Talent

Milestone 4: Facilitate and enhance awareness among local talent to effectively utilize the existing infrastructure of 5G Labs for developing locally relevant solutions.

Achievement: A total of **200+ workshops** have been successfully conducted across the 8 established 5G Labs. These workshops were designed to engage students, faculty, startups, and innovators, providing them with exposure to 5G-enabled tools and applications.

5G Labs NER State	Number of Workshops
COA, Pasighat, Arunachal Pradesh	20
Govt Serchhip College, Serchhip, Mizoram	19
Immanuel College, Dimapur, Nagaland	23
MIT, Imphal, Manipur	13
NEHU, Shillong, Meghalaya	32
Sanchaman Limboo Govt Degree College, Geyzing, West Sikkim	37
Tech City, Guwahati, Assam	46
Tripura University, Agartala, Tripura	25
Grand Total	215

7.4.5 Improving Scientific Thinking Amongst Youth, Especially Women

Milestone 5: Encourage and enhance scientific thinking and innovation culture amongst youth, with a special focus on women participation.

Achievement: A total of **2000+ women** have visited and actively engaged with the 5G Labs during the project period. These participants included students, researchers, entrepreneurs, and members of self-help groups (SHGs).

5G Lab Location	Women's Count
COA, Pasighat, Arunachal Pradesh	222
Govt Serchhip College, Serchhip, Mizoram	277
Immanuel College, Dimapur, Nagaland	216
MIT, Imphal, Manipur	519
NEHU, Shillong, Meghalaya	289
Sanchaman Limboo Govt Degree College, Geyzing, West Sikkim	335
Tech City, Guwahati, Assam	266
Tripura University, Agartala, Tripura	209
Total	2333

Impact:

- Increased women’s participation in advanced technology research and innovation.
- Created opportunities for women innovators to explore applications of 5G in healthcare, education, agriculture, and entrepreneurship.
- Promoted inclusivity by empowering women to be active contributors in the digital economy.
- Strengthened the regional innovation ecosystem by encouraging gender diversity in STEM fields

7.4.6 Promoting Telecom Ecosystem / Industry 4.0 Innovations vis-à-vis SDG Gaps of NER

Milestone 6: Promote the growth of the telecom ecosystem and encourage Industry 4.0 innovations to address the challenges and SDG (Sustainable Development Goals) gaps of the North Eastern Region.

Achievement: A total of **200+ company and government officers** have visited the labs so far. These included

representatives from telecom companies, technology startups, industry associations, and government departments.

Impact:

- Strengthened collaboration between academia, industry, and government stakeholders.
- Facilitated discussions on practical use cases for telecom and Industry 4.0 technologies in NER.
- Attracted potential partnerships and investment interest for scaling locally relevant solutions.
- Created awareness of how 5G and Industry 4.0 technologies can contribute to achieving SDG 2030 goals in NER.

Summarized Milestone Achievements Table

Milestone	Status	Key Achievements
5G Lab Upgradation	✓ Completed	Standardized hardware & software across 8 states
SME Deployment	✓ Completed	8 SMEs managing daily operations & training
Capacity Building	✓ Completed	Thousands trained; numerous workshops conducted
Hackathons (1.0 & 2.0)	✓ Completed	200+ teams; high-quality prototypes developed
Use-Case Development	✓ Completed	50+ of prototypes aligned with NER challenges
Industry Outreach	✓ Completed	Partnerships initiated; startup networks involved
Dashboard Implementation	✓ Completed	Real-time project monitoring across all labs
Community Outreach	✓ Completed	Large-scale rural engagement sessions
Institutional Strengthening	✓ Completed	Labs operating as center of innovation

7.5 5G Use Cases Developed by Students, Startups & Innovators

The **“5G Use Cases Developed by Students, Startups & Innovators”** event served as a high-impact innovation showcase, highlighting the transformative potential of 5G across software, smart devices, and technology-driven systems. The platform enabled students, startups, and local innovators to present practical, industry-relevant use cases demonstrating how 5G can drive solutions across sectors such as healthcare, education, transportation, and smart cities.

Amantya Technologies played a pivotal role by providing end-to-end technical mentorship, hands-on support, and access to advanced 5G infrastructure. This support helped participants convert ideas into functional prototypes and market-ready solutions, while addressing real-world technical challenges.

The 5G labs functioned as live innovation hubs, enabling real-time development, testing, and refinement of solutions. The event also encouraged the creation of valuable intellectual property, strengthening the regional 5G innovation ecosystem.

Overall, the event demonstrated the power of collaboration, mentorship, and advanced infrastructure in accelerating innovation, empowering emerging talent, and laying the foundation for scalable, real-world 5G applications.

(Refer to the Annexure 4)

7.6 Major Events, Workshops & Trainings Conducted in the 5G Labs

The **5G Lab has emerged as a dynamic innovation hub**, enabling students to actively design, test, and develop next-generation 5G solutions. Through structured activities such as live events, workshops, and hands-on training sessions, the lab has fostered a collaborative environment focused on practical learning and innovation.

These initiatives provide students with direct exposure to cutting-edge 5G technologies, allowing them to experiment, build prototypes, and explore real-world applications beyond theoretical learning. Each event is tailored to the participating universities, enabling internal showcases where students present projects, prototypes, and innovative 5G use cases.

Strong mentorship and technical guidance from industry experts further enhance learning outcomes, helping students develop practical skills in 5G use cases, application development, and emerging technologies. The lab encourages experimentation, critical thinking, and problem-solving, creating a culture where innovation thrives.

Overall, the 5G Lab functions as a launchpad for future-ready talent—empowering students with the skills, confidence, and experience required to contribute meaningfully to the evolving 5G ecosystem and shape the future of technology.

7.6.1 IDEATHON – Meghalaya

The event organized by **North-Eastern Hill University (NEHU), Meghalaya**, marked a significant milestone in fostering inclusive, community-driven innovation across the region. Designed to empower women, youth, and self-help groups, the event provided a strong platform for underrepresented communities to develop and present solutions addressing local challenges.

Students and participants actively engaged by showcasing practical, real-world ideas focused on key sectors such as healthcare, education, agriculture, and sustainability. The emphasis on marginalized groups went beyond participation, enabling true empowerment through access to mentorship, resources, and confidence-building support.

The event highlighted the immense potential of young innovators, women leaders, and SHGs to drive meaningful socio-economic change when provided with the right ecosystem. Overall, the NEHU initiative laid the foundation for a sustained, inclusive innovation movement, inspiring community-led development and nurturing future changemakers across Meghalaya and the wider region.

7.6.2 Internal HACKATHON – Manipur

The **Manipur Institute of Technology, Manipur University**, hosted **the Internal Smart India Hackathon 2025 Pitching Session** on **September 26, 2025**, as part of the Smart India Hackathon 2025 under the guidance of the Ministry of Education and Innovation Cell. The event featured a welcome address by Mrs. Selina Khoirom, a speech by Chief Guest Prof. N. Basanta Singh, and a presidential address by Prof. Th. Suresh Singh. Unlike a competition, the session served as a pitching platform where 12 student teams—THE AURA HACK, HAVIDE, MECHMINDS, RRRSLB-1, ERROR 404, PROTEGA, IMPUTE CHIMERA, CLOUD SERFERS, INNOVOLT, TECH TITANS, VOID, and EARLY BIRD—presented innovative solutions to government problem statements, highlighting the role of student innovation in regional development.

7.6.3 5G Awareness Program – Manipur

The **5G Awareness Program**, conducted in collaboration with **Institute of Cooperative Management (ICM), Lamphelpat, Imphal**, served as a significant knowledge and capacity-building initiative for students, researchers, professionals, and entrepreneurs. The program provided a comprehensive overview of 5G fundamentals and its applications across key sectors such as healthcare, education, agriculture, and urban development, highlighting its role in driving innovation and addressing real-world challenges.

As part of the program, participants visited the **5G Lab at Manipur University**, gaining first-hand exposure to advanced research infrastructure and ongoing 5G-based projects. This practical interaction enabled participants to better understand real-world use cases and the scope of next-generation technologies.

Overall, the program strengthened awareness, inspired innovation, and fostered collaboration between academia and industry. It laid a strong foundation for integrating 5G technologies into regional development initiatives and contributed to building a future-ready, digitally empowered ecosystem in the region.

Total Attendees: 80+ Students and Faculties

7.6.4 5G Awareness Program & its Impact on Society – Nagaland

The **5G Awareness Program**, conducted in collaboration with **Institute of Cooperative Management (ICM), Lamphelpat, Imphal**, served as a significant knowledge and capacity-building initiative for students, researchers, professionals, and entrepreneurs. The program provided a comprehensive overview of 5G fundamentals and its applications across key sectors such as healthcare, education, agriculture, and urban development, highlighting its role in driving innovation and addressing real-world challenges.

As part of the program, participants visited the **5G Lab at Manipur University**, gaining first-hand exposure to advanced research infrastructure and ongoing 5G-based projects. This practical interaction enabled participants to better understand real-world use cases and the scope of next-generation technologies.

Overall, the program strengthened awareness, inspired innovation, and fostered collaboration between academia and industry. It laid a strong foundation for integrating 5G technologies into regional development initiatives and contributed to building a future-ready, digitally empowered ecosystem in the region.

Total Attendees: 80+ Students and Faculties

7.6.5 NABARD Training Event: 10-Day Skill-Based Training on Agriculture 4.0 Technologies

The **10-day skill-based training program on Agriculture 4.0 Technologies**, hosted by **College of Agriculture, Pasighat**, marked a significant milestone in advancing technology-driven agriculture in Arunachal Pradesh. Leveraging the 5G Lab infrastructure, the program bridged traditional farming practices with next-generation digital solutions.

Designed to **empower youth and women**, the training provided hands-on exposure to 5G-enabled smart farming, precision agriculture, IoT-based monitoring, and automated agricultural systems. Participants

gained practical insights through a blend of theoretical sessions and live demonstrations covering precision irrigation, crop monitoring, and smart livestock management.

The program equipped participants with real-world skills to adopt and implement advanced agri-tech solutions, promoting sustainable farming practices, improved productivity, and enhanced farmer welfare. Beyond skill development, it helped create a future-ready agricultural workforce capable of integrating emerging technologies into everyday farming operations.

Overall, the initiative laid the foundation for a technologically advanced and sustainable agricultural ecosystem, positioning Arunachal Pradesh to emerge as a leader in Agriculture 4.0 adoption and innovation.

Guest Speaker:

1. Dr. Sanjay Swam, DEAN, College of Agriculture, Pasighat
2. Mr. Sushil Kumar, Former Officer, Department of Telecommunications (DOT), Shillong
3. Mr. Ravi Pardhi, Director Engineering, Amantya Technologies
4. Mr. Nitya Mili, District Development Officer, NABARD

(Refer to the Annexure 5)

7.7 Industry Outreach & Consultant Engagement

A critical component of the project *“Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society”* was the development of a strong partnership-driven innovation ecosystem across the North Eastern Region (NER). To complement the lab upgrades and capacity-building activities, the project engaged two experienced consultants to facilitate strategic industry outreach, initiate collaborations, enable startup participation, and support the development of region-specific 5G use cases.

The consultants acted as ecosystem integrators—bridging academia, industry, government bodies, and innovation networks—ensuring the 5G laboratories transitioned into active centers of engagement and not merely upgraded infrastructures

To strengthen industry partnerships and enhance visibility of the 8 (eight) 5G Labs established across the North-Eastern Region, two dedicated consultants were engaged for a period of six months. Their role was to interact with national and international telecom players, build outreach strategies, facilitate internships, industry talks, and foster collaborations for use case development.

- **Mr. Raj Narula** – Agreement signed on 1st December 2024. He is an Investor, Entrepreneur, and Mentor with global experience in driving start-ups and technology adoption. He has been actively engaged in advisory roles for early-stage ventures, co-founded the TiE Chapter in Ottawa, Canada, and currently mentors Reliance Jio Gen next in Mumbai. His involvement has brought high-value industry exposure and credibility to the initiative.
- **Mr. Rajiv Gupta** – Engaged as the second consultant, contributing to industry linkages and strategic outreach to potential partners across India’s major IT hubs.

The consultants coordinated with key stakeholders across North Eastern Region, Delhi NCR, Mumbai, and Bangalore to attract industry participation and position the NER 5G Labs as emerging hubs for innovation, collaboration, and partnerships.

Under the 5G and IoT Lab Initiative for the North Eastern Region, the consultants executed strategic, operational, and facilitative interventions aligned with India's national digital missions. Acting as ecosystem integrators, they brought together government agencies, academic institutions, industry partners, and startups to translate national 5G and digital policy objectives into regional outcomes.

Through targeted partnership development, policy facilitation, and ecosystem strengthening, the consultants operationalized a collaborative 5G innovation environment supporting advancements in IoT, AI, Edge Computing, and Industry 4.0. These efforts have enabled the NER 5G Lab ecosystem to emerge as a vibrant center of technology-led innovation, empowering local entrepreneurs, youth, and women innovators to develop scalable, region-specific digital solutions and reinforcing the North East's role in India's broader digital transformation journey

Work Summary

1. Telecom and Enterprise Collaboration

The consultancy established strategic collaborations with leading telecom operators and enterprises to accelerate 5G adoption in the North Eastern Region. A partnership with **Reliance Jio** enabled 5G and IoT use-case integration, while technical engagements with **Airtel** and **BSNL** focused on interoperability, enhancement, and collaborative development. Sectoral engagements in agriculture, manufacturing, and healthcare supported the validation of vertical-specific 5G applications.

2. Ecosystem Development and Innovation Enablement

A structured industry-academia innovation pipeline was operationalized, connecting startups, MSMEs, accelerators, research institutions, and enterprises. This enabled end-to-end innovation—from ideation and proof-

of-concept development to pilot deployment and commercialization—strengthening regional innovation maturity and adoption of indigenous 5G solutions.

3. Startup Mentorship and Technical Assistance

A continuous mentorship framework supported early-stage innovators through one-to-one mentoring, prototype evaluations, and product readiness reviews. Assistance covered technical validation, hardware integration, scalability assessment, and go-to-market planning, fostering sustained innovation-led entrepreneurship in the region..

4. Inter-Institutional Collaboration

Strategic convergence was facilitated among academic institutions, government programs, and private enterprises to optimize shared infrastructure and research capabilities. Alignments with NITI Aayog, NABARD, and Atal Innovation Mission ensured coherence with national priorities, funding mechanisms, and policy frameworks.

5. Outreach and Stakeholder Communication

A comprehensive outreach strategy was executed through consortium meetings, national webinars, and targeted digital campaigns to enhance visibility and participation. Cross-lab collaboration among the eight NER 5G Labs was enabled to promote knowledge sharing, distributed innovation, and best-practice dissemination.

6. Capacity Building and Knowledge Dissemination

High-impact capacity-building initiatives—including internships, hands-on trainings, and expert-led workshops—enhanced technical skills in 5G and IoT technologies. Focused engagement of youth, women, and researchers aligned regional talent development with national missions such as Digital India and Skill India

Through strategic partnerships, startup facilitation, and cross-sector ecosystem alignment, the consultancy played a catalytic role in positioning the NER 5G Lab ecosystem as a driver of regional innovation and digital empowerment. These interventions accelerated technology adoption, enabled commercialization, and established a sustainable framework for continued R&D and entrepreneurship—strengthening the North East’s emergence as a strategic hub in

India's 5G and IoT transformation journey

8. Benefits derived from the Project

The project has played a transformative role in significantly enhancing the technological readiness of the North Eastern Region by establishing widespread access to state-of-the-art 5G and emerging technology infrastructure. By operationalizing advanced laboratories and deploying dedicated technical expertise, the initiative substantially strengthened the innovation and research capacity of students, faculty members, startups, women entrepreneurs, and tribal communities.

The project created a vibrant ecosystem that actively fostered entrepreneurship, innovation-driven problem solving, and the development of region-specific technology solutions tailored to local socio-economic challenges. Through structured capacity-building programs, hackathons, and industry engagements, it successfully bridged the gap between academia, industry, and government institutions.

Overall, the initiative has contributed meaningfully to inclusive socio-economic development, digital empowerment, and skill enhancement in the region, while aligning closely with national priorities such as Digital India, Startup India, Skill India, and Atmanirbhar Bharat—laying a strong foundation for sustained technological growth and long-term regional development.

Benefits:

- **Technological Advancement:** Practical training and workshops to build skills in 5G and emerging technologies.
- **Innovation Ecosystem:** Fosters research, development, and local innovation.
- **Industry Collaboration:** Strengthens industry-academia partnerships for mentorship, internships, and funding opportunities.
- **Sustainable Development:** Promotes solutions aligned with SDGs for inclusive growth and socio-economic impact in NER.

9. Operational & physical condition of each facility developed/ supplied by the project

S. No.	Facilities	Description of Condition (Installed & commissioned or not)	Problems, its background & remedial action plan
1	Nagaland	All equipment's working fine	No Problem
2	Assam	All equipment's working fine	No Problem
3	Arunachal Pradesh	All equipment's working fine	No Problem
4	Mizoram	All equipment's working fine	No Problem
5	Manipur	All equipment's working fine	No Problem
6	Meghalaya	All equipment's working fine	No Problem
7	West Sikkim	All equipment's working fine	No Problem
8	Tripura	All equipment's working fine	No Problem

(Refer to the Annexure 6)

10. Precautions (measure to be adopted/ points which require special attention) for sustainable utilisation of the assets created

To ensure long-term sustainability, optimal utilisation, and continued impact of the 5G laboratories and associated assets created under the project “Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society”, the following precautionary measures and focus areas shall be adopted:

1. Institutional Ownership and Responsibility

Host academic institutions must clearly designate responsible faculty coordinators and technical teams for the ownership, custody, and regular use of the 5G lab infrastructure. Clear roles and accountability mechanisms should be established to prevent underutilisation or misuse of assets.

2. Regular Operation and Maintenance (O&M)

Preventive and corrective maintenance schedules should be strictly followed for all equipment, including 5G NIAB, MEC systems, IoT kits, drones, and analytics platforms. Periodic technical health checks must be conducted to ensure uninterrupted functionality and longevity of assets.

3. Continuous Capacity Building

Regular refresher training programs for faculty members, lab technicians, and students should be conducted to ensure sustained technical competence. Knowledge transfer from trained personnel to new users must be institutionalised to avoid skill gaps due to staff or student turnover.

4. Integration with Academic and Research Activities

The 5G lab assets should be formally integrated into academic curricula, research projects, student dissertations, and innovation programs. This will ensure consistent usage of infrastructure and alignment with institutional academic objectives.

5. Standard Operating Procedures (SOPs)

Comprehensive SOPs should be documented and followed for equipment usage, data handling, cybersecurity, safety, and access control. Adherence to SOPs will minimise operational risks and safeguard high-value technical assets.

6. Monitoring and Performance Review

The centralized project management dashboard or equivalent monitoring tools should continue to be used to track lab utilisation, training activities, research outputs, and innovation outcomes. Periodic performance reviews will help identify gaps and enable timely corrective actions.

11. Qualitative and Quantitative Data of Monitoring Indicators

Indicators	Original	Present	Target (one years after completion of the Project)
Atleast 3000 Students and faculties utilizing the lab for training/ testing/ development of product during the project year	3000	7000+	7000+ students visited the lab till date
Facilitate /Enhance awareness to local talent to use the existing infra of 5G Labs for making locally relevant solutions	100	200+	200+ workshop is completed till date
Improve scientific thinking amongst youth especially women	1000	2000+	2000+ women are visited till date
Promote Telecom ecosystem / Industry 4.0 innovations vis a vis challenges/SDG Gaps of NER	100	200+	200+ company/Govt officers are visited in lab so far
Popularise 5G short term courses/MOOC	1000	2500+	2500+ enrolled for different 5G short

Indicators	Original	Present	Target (one years after completion of the Project)
			term courses till date
40 Number of Products/solutions/lps Developed/ Tested/Training during the project year	40	50+	50+ Product/solutions/IPs Developed/Tested/Training is completed

12. Monitoring Plan for the indicators

Original	Actual
Monitor the students, workshop, visitors, company, certifications, use cases through platform	We have created a Monitoring Dashboard where we track all the actual information of the activity done on daily basis
Weekly & Fortnightly report	We created the weekly & fortnightly report where we track the SMEs daily work activities

(Refer to the Annexure 7)

13. Achievement of the Project Objective (100 words)

- Established the 5G Lab as a regional hub for innovation and community engagement despite remote geography
- Engaged students, faculty, and local communities through workshops, hands-on sessions, and awareness programs
- Received endorsement through visits by senior dignitaries, including the District Collector and Education Minister
- Strengthened government collaboration via health awareness initiatives with the District Hospital
- Enabled multidisciplinary collaboration with experts on 5G, IoT, AI, and smart infrastructure
- Conducted 5G awareness and capacity-building programs reaching 500+ participants
- Promoted student-led innovation resulting in real-world 5G/IoT prototypes
- Organized flagship events and national-level 5G use-case showcases
- Launched structured programs including 5G Foundation and Internship initiatives
- Expanded outreach across Manipur, Sikkim, and neighboring regions
- Developed 40+ prototypes addressing agriculture, healthcare, and public safety.
- Achieved recognition as a leading regional hub for 5G research, innovation, and collaboration

14. O&M and Management (for sustained operation of the assets created)

- Operation and maintenance of the assets created under the project will be systematically managed by the respective host institutions, with clearly defined roles and responsibilities assigned to trained faculty members, technical staff, and designated coordinators.
- Standard operation and maintenance protocols will be followed to ensure optimal performance, safety, and longevity of all 5G and emerging technology infrastructure, including periodic preventive and corrective maintenance.
- The 5G laboratories will remain fully integrated with academic curricula, research programs, student projects, and innovation-driven activities to ensure continuous and purposeful utilisation of the facilities.
- The labs will function as permanent centres for hands-on learning, applied research, technology demonstration, and prototype development, supporting both academic and entrepreneurial initiatives.
- Long-term sustainability of the assets will be ensured through continued support from government bodies and alignment with national and regional digital development programs.
- Strategic partnerships with industry, startups, and research organisations will be actively pursued to enhance utilisation, enable real-world use cases, and support technology upgrades.
- Continuous engagement with the broader innovation ecosystem, including students, faculty, entrepreneurs, and community groups, will ensure relevance, scalability, and sustained socio-economic impact of the assets.

15. Overall evaluation

The project *“Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society”* marks a significant milestone in advancing digital empowerment, scientific research, and innovation-driven development across the North Eastern Region (NER) of India. Through the establishment of standardized 5G laboratories, deployment of skilled SMEs, organization of regional hackathons, targeted outreach activities, and adoption of a centralized monitoring dashboard, the project has successfully created a foundational ecosystem capable of nurturing emerging technologies and fostering socio-economic transformation.

Over the duration of this initiative, eight academic institutions across NER were strengthened with upgraded 5G infrastructure—including NIAB, MEC systems, IoT kits, drones, and advanced analytics tools—enabling hands-on learning and experimentation for students and faculty. The presence of dedicated SMEs ensured consistent training, operational efficiency, and innovation support, transforming these labs into active hubs of learning rather than passive infrastructure units.

Two major hackathons brought together hundreds of student innovators, startups, and technologists from across the region, highlighting the deep interest and potential for innovation within NER. These events enabled the creation of dozens of 5G-enabled prototypes addressing real challenges in agriculture, healthcare, environment, disaster preparedness, transportation, and public welfare—demonstrating the region’s unique capacity to blend local knowledge with advanced digital technologies.

The strategic involvement of consultants amplified the project’s reach by creating industry linkages, promoting lab capabilities, supporting post-hackathon teams, and enhancing visibility at national and regional levels. Their work, combined with the efforts of SMEs, helped shift the region from a technology consumer to a technology creator mindset.

Furthermore, the introduction of the Project Management Dashboard established a transparent and data-driven mechanism to track activities, measure progress, and document outcomes across all eight labs, ensuring accountability and enabling informed decision-making.

The overall impact of the project is visible across multiple dimensions:

- **Students** gained hands-on technical proficiency, innovation exposure, and confidence to explore emerging fields.
- **Faculty members** integrated 5G and IoT concepts into academic practice, strengthening institutional research culture.
- **Startups and innovators** found opportunities to prototype, test, and refine solutions relevant to NER's socioeconomic context.
- **Community groups** received awareness on how emerging technologies can address real-world challenges and improve livelihoods.
- **Institutions** strengthened their academic and technological profile, contributing to regional skill development and innovation.

Most importantly, the project has created a sustainable, scalable platform that can continue to generate innovation beyond its defined timeframe. With continued support and strategic intervention, these 5G laboratories can evolve into Centres of Excellence, host future research programs, support startup incubation, and facilitate large-scale deployment of prototypes across NER.

The successful implementation of this initiative underscores the transformative power of collaboration between government bodies, academic institutions, industry partners, students, and community stakeholders. It demonstrates that when the right infrastructure, mentorship, and ecosystem support are provided, even geographically remote regions can become drivers of technological innovation.

The project has laid the groundwork for the North Eastern Region to emerge as a vibrant hub for 5G adoption, digital innovation, and research-driven development. Its outcomes will continue to contribute to India's broader digital transformation goals, strengthening national progress while ensuring inclusive growth and empowerment for the people of the Northeast.

16. Lessons Learnt and Recommendations

Lessons Learnt

The project provided rich learning across technical, operational, community, and strategic dimensions. These lessons will serve as valuable inputs for scaling similar initiatives across India.

- Enabled inclusive engagement beyond academia by involving farmers, SHGs, and livelihood missions, bridging urban–rural technology gaps through hands–on awareness programs
- Strengthened technical expertise in 5G, IoT, and AI while enhancing leadership, communication, and stakeholder management skills through real–world interactions
- Successfully translated academic concepts into practical applications using live demonstrations and field use cases
- Fostered innovation and entrepreneurship through startup interactions, hackathons, and mentorship, resulting in four IPs/products developed with students and startups
- Gained strategic and operational insights into large–scale technology deployment, emphasizing collaboration, early outreach, continuous capacity building, documentation, and sustained institutional engagement

Recommendation

Based on the extensive experience, learnings, and tangible outcomes derived from the 5G Lab initiative, the following recommendations are proposed to **amplify the project's sustainability, scalability, and transformational potential**. These recommendations aim not only to strengthen the existing ecosystem but also to position the lab as a **national benchmark for 5G-driven innovation, research, and capacity building**.

- Using the infra of the AMTRON 5G tech city Guwahati is working with Numaligarh Refinery to deploy 5G CNPN which is major deployment in 5G deployment.
- 5G experience lab in tech city Guwahati is engage with multiple PSUs for digital twin platform.
- Using these 5G labs to further trained the telecom engineers and technicians.
- Institutionalize long-term collaboration through formal MoUs, advisory boards, and sustained engagement with industry, academia, and leadership stakeholders
- Upskill mentors and faculty via advanced training, global certifications, exposure visits, and collaboration with telecom and technology leaders
- Conduct regular 5G and next-gen awareness programs, bootcamps, and national certification courses to sustain public engagement and skill development
- Expand the lab into a multidisciplinary R&D center covering AI, IoT, cybersecurity, cloud-native 5G, and future 6G research
- Strengthen industry-academia-government collaboration through joint research, fellowships, and pilot deployments for faster market translation
- Simplify policy and administrative processes with faster approvals, incentives, and dedicated research grants to boost participation
- Promote cross-state collaboration across North Eastern institutions to build a unified regional innovation corridor
- Deepen partnerships with telecom operators, OEMs, and standardization bodies for testbeds, pilots, and regulatory

validation

- Enable continuous learning through virtual labs, MOOCs, and online experimentation platforms for wider accessibility
- Foster innovation and startups through incubation, acceleration programs, hackathons, and seed funding initiatives
- Expand community outreach and policy advocacy via demonstrations, technology fairs, and rural-focused impact programs
- Establish a long-term sustainability roadmap leveraging government funding, CSR partnerships, and academic alliances
- Integrate advanced AI frameworks across 5G R&D to create an intelligent, self-optimizing lab ecosystem and position it as a national leader in next-generation telecom innovation

(Refer to the Annexure 8)

Signature of Project Implementation Authority
With date, name & designation

Annexure 1: Hackathon Information

Hackathon 1.0

Summary Of the Event

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

Pre-Event Media Coverage:

A total of 23 print coverages were conducted across eight northeastern states to maximize participation, along with 16 digital coverages at both local and national levels.

Details of Pre-event Publications & Media Coverage

PRINT COVERAGE			
S.No.	State	Newspaper	Date of Publication
1	Arunachal Pradesh	Northeast Times	25th February 2025
2	Assam	Assam Tribune	25th February 2025
3	Assam	Assam Post	25th February 2025
4	Assam	Dainik Janambhumi	25th February 2025
5	Meghalaya	Meghalaya Guardian	25th February 2025
6	Meghalaya	Meghalayan Express	25th February 2025
7	Assam	Dainik Asom	26th February 2025

8	Assam	Sentinel	26th February 2025
9	Assam	Gana Adhikar	26th February 2025
10	Assam	Dainik Batorikakot	26th February 2025
11	Meghalaya	Meghalaya Times	26th February 2025
12	Assam	Pratah Khabar	27th February 2025
13	Manipur	Imphal Free Press	27th February 2025
14	Meghalaya	U Peitngor	27th February 2025
15	Nagaland	Dainik Purvoday	27th February 2025
16	Tripura	Bartalipi	27th February 2025
17	Arunachal Pradesh	Arunachal Age	28th February 2025
18	Meghalaya	Mawphor	28th February 2025
19	Mizoram	Highlander	28th February 2025
20	Nagaland	Mokokchung Times	28th February 2025
21	Tripura	Tripura Times	28th February 2025
22	Sikkim	Himalayan Mirror	28th February 2025
23	Meghalaya	U Nongsai Hima	1st March 2025

DIGITAL COVERAGE				
S.No.	Type of Publication	Digital Publication	Link of Publication	Date of Publication
1	National Online	India Today NE	Link	25th February 2025

2	Regional Online	NE News	Link	25th February 2025
3	Regional Online	Borok Times	Link	25th February 2025
4	Regional Online	Hub Network	Link	25th February 2025
5	Regional Online	The Meghalayan Express	Link	25th February 2025
6	Regional Online	Sabina Now	Link	25th February 2025
7	Regional Online	The Business Daily	Link	25th February 2025
8	Regional Online	Urupang	Link	25th February 2025
9	National Online	MSN News	Link	26th February 2025
10	Regional Online	The Sentinel Assam	Link	26th February 2025
11	Regional Online	NKTV	Link	26th February 2025
12	Regional Online	Meghalaya Monitor	Link	26th February 2025
13	National Online	ETV Bharat	Link	27th February 2025
14	Regional Online	Syllad	Link	28th February 2025
15	Regional Online	E-Pao	Link	3rd March 2025
16	Regional Online	Indigenous Herald	Link	3rd March 2025

Post-Event Media Coverage:

Following the hackathon, 18 print coverages were conducted across eight northeastern states, along with 11 digital coverages at local and national levels.

Details of Publications & Media Coverage

PRINT COVERAGE			
S.No.	State(s)	Newspaper Name	Date
1	Assam	THE HILLS TIME	March 13, 2025
2	Mizoram	HIGHLANDER	March 13, 2025
3	Assam	ASSAM POST	March 13, 2025
4	Assam	PRATAH KHABAR	March 13, 2025
5	Meghalaya	MEGHALAYAN EXPRESS	March 13, 2025
6	Assam	ASSAM RISING	March 13, 2025
7	Arunachal Pradesh	THE ARUNACHAL AGE	March 13, 2025
8	Assam & Nagaland	HINDI SENTINEL	March 14, 2025
9	Assam	DAINANDIN BARTA	March 14, 2025
10	Imphal	IMPHAL FREE PRESS	March 14, 2025
11	Assam	DAINIK BATARI KAKOT	March 14, 2025
12	Assam	GANAADHIKAR	March 14, 2025
13	Nagaland	MOKOKCHUNG TIMES	March 14, 2025
14	Assam & Sikkim	THE ECHO OF INDIA	March 15, 2025
15	Assam & Nagaland	EASTERN CHRONICLE	March 16, 2025
16	Meghalaya & Assam	MEGHALAYA GUARDIAN	March 17, 2025
17	Assam & Arunachal Pradesh	NORTH EAST TIMES	March 17, 2025
18	Tripura	TRIPURA TIMES	March 19, 2025

DIGITAL COVERAGE				
S.No.	Type of Publication	Digital Publication	Link of Publication	Date of Publication
1	National Online	INDIA TODAY NE	Link	March 12, 2025
2	National Online	ETV BHARAT	Link	March 13, 2025
3	Regional Online	HUBNETWORK	Link	March 12, 2025
4	Regional Online	NKTV	Link	March 12, 2025
5	Regional Online	THE MEGHALAYAN EXPRESS	Link	March 12, 2025
6	Regional Online	TELECOM DRIVE	Link	March 12, 2025
7	Regional Online	INDIGENOUS HERALD	Link	March 12, 2025
8	Regional Online	AIRANEWSNETWORK	Link	March 13, 2025
9	Regional Online	E-PAO	Link	March 13, 2025
10	Regional Online	W7SNEWS	Link	March 13, 2025
11	Regional Online	HIGHLANDPOST	Link	March 16, 2025

Shortlisted Teams:

A total of 60 teams were shortlisted out of 216 registrations received. Below are the details of shortlisted teams:

S. No.	Team Name	Names	Theme	Brief
1	Code-Ninjas	Nitin Singh	Agriculture	We propose a fishery monitoring system that ensures optimal fish growth, security, and hassle-free sales process. The system will use sensors to monitor water

S. No.	Team Name	Names	Theme	Brief
				<p>quality, providing real-time data to a application. This will help maintain a healthy aquatic environment and improve fish yield. Additionally, sensors will be deployed around the fishery to detect unauthorized access, instantly alerting the concerned authority through the application. Our system will also estimate fish quantity using sensors and list it on a linked marketplace that we will develop. This integrated marketplace will allow fish farmers to list their stock effortlessly, connecting them directly with buyers. By combining water quality monitoring, security surveillance, and a dedicated marketplace, our solution will help fish farmers maximize productivity, streamline sales, and prevent losses due to unfavorable conditions or trespassing.</p>
2	Meikhu	Debankar Saikia	IoT for Oil & Gas	<p>Smart IoT-Based LPG Regulator The Smart IoT-Based LPG Regulator is designed to enhance LPG logistics, prevent shortages, and eliminate black market practices by integrating real-time gas monitoring, predictive analytics, and digital booking. This regulator features an integrated pressure sensor to track gas levels accurately and predict depletion 5-6 days in advance using AI-based algorithms. A gas leak sensor ensures safety by instantly detecting leaks and sending alerts. The system logs usage patterns and</p>

S. No.	Team Name	Names	Theme	Brief
				transmits data to a cloud-based platform via Lo-Ra/GSM/, allowing gas companies to forecast demand and optimize distribution.
3	HEXAGON	Rosheda Begum	IoT for Oil & Gas	Development of a remote methane gas monitoring system based on wireless sensor network. This system collects the data from sensor nodes and transmits them to the sink nodes /end devices. The data is transmitted in compliance with the Zigbee wireless technology. It is a low power consuming platform and guided by IEEE 802.15.4 personal area network standards. The collective data is monitored via an open source IOT platform to alert in case of emergency via SMS/ Buzzer/emails.
4	NIT NAGALAND	NOKCHIRA JAMIR	Agriculture	HarvestIQ is a smart, scalable, and affordable tech-driven agriculture system designed to tackle real challenges farmers face—unpredictable weather, lack of real-time data, middlemen exploitation, and low-tech adoption. It brings real-time farm monitoring, AI-powered crop protection, and a direct marketplace into one seamless platform. Farmers get instant insights on soil health, weather, and irrigation needs. AI helps detect crop diseases early—just upload an image, and it gives a diagnosis with treatment suggestions. Smart weather analytics guide irrigation and harvesting schedules to

S. No.	Team Name	Names	Theme	Brief
				<p>maximize yield.</p> <p>The HarvestIQ marketplace cuts out middlemen, letting farmers sell directly to buyers with geo-tagged demand insights and secure payments via UPI/Razorpay. The system runs on a low-cost IoT infrastructure using ESP32 + LoRaWAN + MQTT for real-time data collection. AI models powered by TensorFlow + Flask API handle disease detection, while Supabase ensures secure, real-time backend operations.</p> <p>Farmers access everything via a simple mobile/web app or even through a WhatsApp chatbot for easy, on-the-go updates. HarvestIQ is all about empowering farmers with data, reducing crop loss, ensuring fair pricing, and making agriculture more sustainable.</p>
5	NIT MANIPUR	Korounganbi Kangjam	Animal Husbandry	<p>The Smart Poultry Monitoring and Control System (SPCoS) is an innovative solution designed to improve poultry farming by integrating Artificial Intelligence (AI), Machine Learning (ML), and the Internet of Things (IoT). It addresses challenges faced by farmers, particularly in Northeast India, where unpredictable weather, limited biosecurity awareness, and lack of access to modern tools hinder productivity. The system automates tasks such as temperature control, feeding schedules, water supply management, and biosecurity enforcement.</p>

S. No.	Team Name	Names	Theme	Brief
				<p>The project will be implemented by using Texas Instruments AM62A ARM-based processor, that efficiently handles real-time data processing, sensor integration, and control tasks. It ensures optimal temperature and humidity levels for poultry health. An AI-driven mask detection feature strengthens biosecurity by allowing only authorized individuals wearing masks to enter the farm, reducing disease risks—especially in areas like Manipur. Automated feeding and water systems ensure consistent nutrition and hydration, reducing manual labour and enhancing efficiency. Real-time monitoring through IoT-enabled surveillance, combined with edge computing, facilitates rapid, on-site decision-making.</p> <p>This proposed system enhances productivity, lowers operational costs, and improves poultry health. It offers small-scale farmers a scalable, cost-effective solution to modernize farming practices and improve livelihoods.</p>
6	Darknet Coder	Anand Prakash Dubey	Agriculture	<p>The **Farmer Assistance Portal** is a revolutionary, all-in-one platform designed to empower small and marginal farmers with AI-driven tools for **crop disease identification**, **localized weather forecasts**, and **community support**. Unlike existing solutions, it integrates **Google Cloud Vision API** for precise disease detection, **OpenWeatherMap API** for hyper-local</p>

S. No.	Team Name	Names	Theme	Brief
				<p>weather updates, and a real-time community forum for knowledge sharing—all in a simple, multilingual interface.</p> <p>Farmers can upload crop images to instantly diagnose diseases, receive actionable recommendations, and plan farming activities using accurate weather forecasts. The platform also fosters collaboration through a community forum, where farmers can share experiences and seek advice. Built with Firestore for scalability and low-cost deployment, it ensures accessibility even in remote areas.</p> <p>Unique Selling Points:</p> <ol style="list-style-type: none"> AI-Powered Precision: Accurate disease detection using Google Cloud Vision. Hyper-Local Weather: Real-time forecasts tailored to the farmer's location. Community-Driven: A forum for peer learning and expert advice. Farmer-Centric Design: Simple, multilingual, and mobile-friendly. <p>This solution bridges the gap between technology and agriculture, empowering farmers to make informed decisions, increase yields, and break the cycle of poverty. By combining cutting-edge AI with community-driven insights, the Farmer Assistance Portal is not just a tool—it's</p>

S. No.	Team Name	Names	Theme	Brief
				a movement toward sustainable farming and rural empowerment.
7	TerraMinds	Aryan Jha	Agriculture	<p>One of the biggest challenges in post-harvest supply chains is ensuring that perishable produce reaches the market before it spoils. Ashtakrishi tackles this by integrating an ethylene-based spoilage detection system to optimize delivery routes and reduce wastage.</p> <p>Ethylene is a natural plant hormone that accelerates ripening and spoilage. By using IoT sensors to monitor ethylene levels in storage and transit, Ashtakrishi can:</p> <p>Predict Shelf Life: Detect early signs of spoilage and prioritize shipments accordingly.</p> <p>Smart Routing: Dynamically adjust delivery routes to ensure that produce reaches the nearest viable market before deterioration.</p> <p>Reduce Waste: Farmers and suppliers get real-time alerts, enabling quick decisions like diverting produce to processing units (e.g., for making jams or juices) instead of letting it rot.</p> <p>Automated Alerts: Farmers and distributors receive notifications about temperature, humidity, and ethylene spikes to take immediate action.</p>

S. No.	Team Name	Names	Theme	Brief
				By integrating ethylene sensors with AI-driven logistics, Ashtakrishi ensures that farmers earn better profits, consumers get fresher produce, and food waste is minimized—making the supply chain smarter, more sustainable, and highly efficient.
8	GreenByte	Arindam Paul	Agriculture	<p>Our project, the Smart Hydroponic System, is designed to automate and remotely monitor plant growth using Arduino-based automation and an IoT-enabled web dashboard. This system ensures efficient plant cultivation without soil by optimizing water and nutrient delivery. We have integrated sensors and actuators to monitor key parameters like pH, temperature, humidity, water level, and nutrient concentration. The Arduino microcontroller processes real-time data and automates functions like water circulation, nutrient dosing, and environmental control.</p> <p>To enhance accessibility, we developed a web dashboard for remote control and monitoring. It displays live data, sends alerts for critical conditions, and allows manual adjustments when needed. This ensures precision farming with minimal human effort.</p> <p>Our system aims to reduce water usage, improve crop yield, and promote sustainable agriculture. It is ideal for</p>

S. No.	Team Name	Names	Theme	Brief
				urban farming, commercial hydroponics, and research applications. By integrating IoT and automation, we provide a cost-effective, scalable, and smart farming solution.
9	Gasguard AI	Maman Das	IoT for Oil & Gas	<p>GasGuard AI: AI-Powered Gas Leak Prediction & Alert System</p> <p>Gas leaks pose serious risks in industrial settings, leading to explosions, health hazards, and costly downtime. Traditional gas detection systems react only after a leak has occurred, offering little time for preventive action. GasGuard AI is a cutting-edge AI-driven predictive maintenance system that shifts gas monitoring from a reactive to a proactive approach.</p> <p>By leveraging Machine Learning (ML) algorithms such as Random Forest and LSTM, GasGuard AI analyzes real-time IoT-based gas sensor data to detect early warning signs of leaks—including gradual gas buildup and sudden pressure drops. The system integrates with cloud databases like Firebase and PostgreSQL to process continuous sensor input efficiently.</p> <p>When potential risks are detected, automated SMS/email alerts instantly notify employees and safety teams, enabling quick intervention. Additionally, GasGuard AI can be integrated with automated shutdown systems to</p>

S. No.	Team Name	Names	Theme	Brief
				<p>prevent major incidents. A dashboard interface provides real-time monitoring and historical analysis for improved safety insights.</p> <p>GasGuard AI enhances workplace safety, reduces downtime, and optimizes industrial efficiency by predicting gas leaks before they become hazardous. With AI-powered intelligence, industries can ensure safer operations and smarter gas monitoring for a more secure future.</p>
10	Agro Developers	Abhilash Das	Agriculture	<p>Vriddhi AI: Revolutionizing Agriculture with AI</p> <p>In India, farmers often fail to receive fair compensation for their produce, while consumers pay inflated prices due to middlemen who exploit the supply chain. Vriddhi AI addresses this issue by eliminating intermediaries and providing farmers with the best value for their crops.</p> <p>Our AI-powered software enables farmers to upload details such as crop type, quantity, manufacturing cost, and crop images. Leveraging machine learning's K-Nearest Neighbors (KNN) algorithm, the model predicts optimal crop prices based on factors like minimum support price (MSP), local weather conditions (sourced via weather APIs), regional demand, production cost, and crop location. The model continuously updates its dataset every two weeks by web scraping relevant online journals,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>news sources, and agricultural websites to ensure accurate predictions.</p> <p>Once uploaded, the crop details—along with the AI-predicted price—are securely stored on our server and listed in the Buy section for direct access by buyers. Moreover, we offer free transportation for buyers and sellers by covering logistics costs through revenue generated from advertisements displayed on transport containers.</p> <p>With Vriddhi AI, we establish a transparent, efficient system that directly connects farmers with business stakeholders, ensuring fair pricing and improved profitability for all.</p>
11	Omniscients	Bishes Ranjan Prasad	Agriculture	<p>Floating Aquaponics for Flood-Prone Areas – A Climate-Resilient Farming Solution</p> <p>Flood-prone regions, especially in North-East India, face severe agricultural losses due to submerged farmlands, soil erosion, and disrupted food supply. Floating Aquaponics presents a sustainable and self-sufficient solution by combining hydroponic vegetable farming with fish aquaculture on floating rafts made of bamboo, plastic barrels, and recycled materials.</p> <p>This zero-soil system allows crops like lettuce, spinach, and tomatoes to grow above water while fish (Tilapia,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>Catfish, Carp) thrive below. Fish waste acts as a natural fertilizer for plants, and in return, plants help clean the water, creating a balanced ecosystem. The system is scalable, cost-effective, and resilient to floods, ensuring continuous food production.</p> <p>For enhanced efficiency, solar-powered aerators and IoT-based monitoring systems can regulate oxygen levels and water quality, making it a tech-driven smart farming model. It empowers farmers, women-led SHGs, and local communities by providing year-round income and food security. Additionally, it reduces flood-related agricultural losses, supports climate adaptation, and promotes sustainable, eco-friendly farming.</p>
12	Ngurie	Peihauding	Agriculture	<p>Ngurie Organic Private Limited is committed to revolutionizing agriculture by providing sustainable and eco-friendly solutions that address critical challenges in farming. The company's flagship product, the Bio-Enhancer, is a 100% organic formulation designed to improve soil health, water retention, pH balance, and nutrient absorption. By reducing the reliance on harmful chemical inorganic fertilizers, it helps enhance soil quality, plant growth, and promotes sustainable farming practices. Ngurie targets farmers, floriculture growers, agricultural cooperatives, SHGs of both rural and urban</p>

S. No.	Team Name	Names	Theme	Brief
				<p>which focused on sustainable agriculture. The company empowers farmers with practical knowledge through workshops and hands-on training, enabling them to adopt organic farming techniques. This approach not only boosts productivity but also ensures healthier, more nutritious crops and reduces the environmental impact of farming.</p> <p>Current we are operating primarily in Nagaland, Ngurie aims to expand across Northeast India and beyond, creating economic opportunities, improving livelihoods, and contributing to the local economy. With support from grants like NEEDP and IIT Guwahati's BioNest, Ngurie is poised for growth and innovation.</p> <p>Through its eco-friendly, cost-effective solutions, Ngurie Organic Private Limited is fostering a green revolution in agriculture, driving positive social, environmental, and economic change in farming communities.</p>
13	AgriNex	Gunmay Paul	Agriculture	<p>Smart AgroTech is an innovative IoT-based soil monitoring system that leverages Arduino and multiple sensors to provide real-time soil health analysis. The system uses pH, moisture, NPK, and electrical conductivity sensors to assess soil quality instantly. Data is transmitted to a mobile app, where farmers receive tailored recommendations on nutrient requirements and optimal</p>

S. No.	Team Name	Names	Theme	Brief
				<p>crop choices based on soil conditions, enhancing crop productivity.</p> <p>To combat the issue of excessive pesticide use, the system integrates with drones. The app calculates the exact amount of pesticide needed, and drones perform precision spraying, minimizing waste and environmental harm.</p> <p>Additionally, for flood prediction, the solution integrates an existing weather prediction model that uses real-time API data for accurate weather forecasts. Drones capture aerial images of flood-prone areas, which are analyzed through the software to predict and assess potential flooding, enabling proactive disaster management.</p>
14	Phytronix	Aryan Kashyap	Agriculture	<p>Terrabot is an AI-powered agricultural rover designed to revolutionize potato farming by improving crop monitoring and management. It features remote-controlled navigation, allowing farmers to guide it precisely through crop rows for efficient coverage. Equipped with live video feed and sensor data, Terrabot provides real-time insights on plant health, soil moisture, and environmental conditions. Its advanced AI system detects diseases like potato blight, instantly alerting farmers and recommending necessary treatments. The rover includes ESP-32 CAM with pan-tilt for 360-degree</p>

S. No.	Team Name	Names	Theme	Brief
				monitoring, sensors for soil and plant analysis, a servo arm for removing diseased plants, a cutting blade for weed management, and a targeted sprayer mechanism for precise pesticide application. Powered by solar energy with sun tracking, Terrabot ensures sustainability and efficiency in farming. Its disease detection algorithm processes camera and sensor data to identify plant health issues and suggest treatments. By integrating advanced AI, robotics, and IoT, Terrabot helps farmers reduce crop losses, optimize pesticide use, and improve yield. With its smart farming solutions, Terrabot aims to modernize agriculture in India, making it more sustainable, productive, and accessible to all farmers.
15	Asha Tech Guardians	Jyotishman Pathak	Healthcare	<p>In Northeast India's remote villages, access to doctors is scarce, and medical emergencies often turn fatal due to delayed care. ASHA-AI is changing that.</p> <p>This 5G-powered telemedicine platform empowers ASHA workers, local youth, and SHGs by combining AI diagnostics, IoT wearables, and real-time doctor consultations to bridge the healthcare gap.</p> <p>AI-Powered Chatbot: Understands symptoms in native languages and prioritizes critical cases.</p> <p>5G Video Calls: Connects ASHA workers to doctors instantly, even in low-bandwidth areas.</p>

S. No.	Team Name	Names	Theme	Brief
				<p>IoT Health Monitoring: Smart devices track vitals, with Kafka-powered emergency alerts for hospitals and volunteers.</p> <p>Offline-First Design: Stores patient data locally (Postgres) and syncs when 5G is available.</p> <p>Beyond healthcare, ASHA-AI creates jobs. ASHA workers become digital health leaders, and rural youth get gamified training to maintain IoT devices and Kubernetes-powered edge servers.</p> <p>With 700+ locals trained and emergency response times cut to 15 minutes, ASHA-AI is more than a hackathon project—it's a blueprint for a global rural health revolution.</p>
16	IoT Based Water Monitoring	PURNENDU MANDAL	Healthcare	<p>This project focuses on developing an IoT-based smart water quality monitoring system that integrates various sensors such as pH, turbidity, temperature, TDS, and flow sensors to assess water quality in real time. The system is controlled by ESP32 and Raspberry Pi, which collects and processes sensor data. The data is then transmitted to the cloud via Wi-Fi, GSM, or other communication technologies, allowing users to access real-time information through a mobile app or web dashboard.</p> <p>Currently, we are working on communicating our module using an Amtron 5G modem in collaboration with Amantya for enhanced connectivity and performance.</p>

S. No.	Team Name	Names	Theme	Brief
				This system will be particularly beneficial for rural areas, Government sector, Private sector ensuring safe drinking water and preventing waterborne diseases. It also has applications in municipal water supply monitoring, reducing contamination risks and improving public health.
17	Nibiaa Devices Team	Aeroshil Nameirakpam	IoT for Oil & Gas	<p>The oil, gas, and mining industries face significant challenges in ensuring personnel safety, communication, and monitoring in remote locations. To address this, a personnel tracking and monitoring system utilizing a LoRa P2P Mesh Network with AES-128 encryption has been developed.</p> <p>This system provides secure and effective monitoring of personnel in areas where conventional communication means are unavailable. Strategically located concentrator nodes collect information from workers and transmit it to a command center, providing coverage over vast areas. The system features real-time tracking, automatic emergency alerts, gas detection alerts, and geofencing for restricted area monitoring. It is scalable, integrates easily with existing infrastructure, and enhances workforce safety, communication, and operational efficiency. With faster response times and a secure working environment, businesses can ensure the safety of their personnel even in isolated locations.</p>

S. No.	Team Name	Names	Theme	Brief
18	Ineo	Arghajyoti Malakar	Agriculture	<p>KisanKraft is a groundbreaking miniature and cost-effective version of the harvester, inspired by the need to ease the work of Indian farmers in harvesting and threshing crops.</p> <p>This innovative machine is specifically designed to address the unique challenges faced by the agricultural sector in India. India is an agrarian country with a significant portion of its population dependent on agriculture. However, the absence of a Minimum Support Price (MSP) leads to an unstable and often loss-making agricultural economy. Conventional harvesters are not efficient for Indian farmers due to their high costs, large size, and complexity.</p>
19	ResQLink	Rubul Hoque Choudhury	Healthcare	<p>Our solution would be a small device installed in your car that continuously monitors its speed, position, and orientation using sensors like a gyroscope. If the device detects a sudden drop in speed or a drastic change in orientation, signs of a possible accident, it instantly activates the GPS to determine the car's exact location and automatically sends an alert to</p>

S. No.	Team Name	Names	Theme	Brief
				the nearest emergency services, such as police stations or hospitals, ensuring that help is quickly dispatched.
20	AIB	Sani Dey	Animal Husbandry	<p>Animal husbandry has advanced significantly with modern technology, improving productivity, animal health, and sustainability. Traditional livestock farming has evolved with scientific breeding techniques, better nutrition, and disease management strategies. Genetic selection and crossbreeding have enhanced milk and meat production, while improved vaccines and veterinary care have reduced disease outbreaks. Smart feeding systems and climate-controlled shelters have further optimized livestock rearing.</p> <p>Artificial Intelligence (AI) has revolutionized animal husbandry by introducing precision farming techniques. AI-powered monitoring systems track animal health, detect diseases early, and predict breeding cycles. Machine learning algorithms analyze data from sensors to improve feed efficiency and optimize milk yield. Automated milking machines, robotic feeders, and AI-driven surveillance systems reduce manual labor while ensuring better animal welfare. AI also helps in tracking</p>

S. No.	Team Name	Names	Theme	Brief
				supply chains, improving productivity, and reducing environmental impact.
21	Clusters	Utsha Saha	Healthcare	<p>Transforming Healthcare in Northeast India Through Modern Technology, AI, IoT</p> <p>Healthcare accessibility in Northeast India faces three major challenges: delayed emergency response, lack of menstrual hygiene awareness, and difficulties in hospital navigation.</p> <p>Our solution leverages mobile applications and AI to tackle these issues effectively.</p> <p>1. Emergency Patient Transfer System – Lack of coordination between small and big hospitals delays urgent care. Our mobile app enables real-time communication, allowing small hospitals to send patient details, test reports, and administered treatments in advance. This ensures that emergency doctors prepare necessary treatments before the patient arrives, improving survival rates.</p> <p>2. Sanitary Pad Distribution for Rural Women – Many women hesitate to use sanitary pads due to financial constraints and cultural taboos. Our app allows ASHA and Anganwadi workers to request free sanitary pads from the government based on ward numbers, ensuring better</p>

S. No.	Team Name	Names	Theme	Brief
				<p>menstrual hygiene and preventing infections.</p> <p>3. Government Hospital Navigation System – Patients struggle to locate doctors, emergency rooms, and pharmacies in large government hospitals. Our mobile app provides real-time navigation, doctor schedules, and OPD details, ensuring faster medical assistance and reduced patient confusion.</p> <p>By integrating these mobile solutions, we aim to revolutionize healthcare accessibility, improve emergency response, and enhance hygiene in underserved communities.</p>
22	XOR CORE	Mehedi Hasan	Healthcare	<p>The AI-Based Livestock Healthcare App AniHealth is an innovative, next-generation platform designed to transform livestock management through AI, IoT, and real-time analytics. This first-of-its-kind solution empowers farmers with smart health monitoring, AI-driven disease prediction, emergency veterinary assistance, and training programs led by SHG women experts—bridging the critical gaps in rural livestock healthcare.</p> <p>At its core, the app utilizes solar-powered IoT sensors to track vital health indicators like body temperature, heart rate, and activity levels. AI algorithms analyze this data to detect early signs of disease and send automated alerts,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>enabling swift action before conditions worsen. Real-time weather and climate-based health recommendations help farmers mitigate risks from extreme temperatures, seasonal diseases, and environmental stress.</p> <p>The app also facilitates tele-vet consultations, live emergency services, and a marketplace for veterinary medicines and services, ensuring accessibility to expert care anytime, anywhere. A multilingual AI chatbot provides instant assistance, while SHG-led training and certification programs equip farmers—especially rural women—with essential skills, fostering financial independence.</p> <p>By integrating AI, real-time analytics, and community-driven knowledge-sharing, this app is not just a solution—it is a revolution in livestock healthcare, enhancing productivity, reducing mortality, and strengthening rural economies for a sustainable future.</p>
23	XOR FORGE	Hasrat Muhani	Animal Husbandry	<p>AI-Driven Farming and Livestock Management App</p> <p>The AI-Driven Farming and Livestock Management App integrates Artificial Intelligence (AI), Internet of Things (IoT), blockchain, and big data analytics to enhance productivity, improve livestock vitality, and increase profitability. It provides real-time insights, predictive analytics, and an AI-powered marketplace to help</p>

S. No.	Team Name	Names	Theme	Brief
				<p>farmers make data-driven decisions while promoting sustainable practices.</p> <p>For crop production, IoT sensors track soil moisture, pH, and nutrient levels, while AI-driven models optimize irrigation, fertilization, and pest control. Livestock management benefits from wearable IoT devices that monitor livestock's vitals, while AI automates feeding schedules to improve nutrition and reduce waste.</p> <p>The platform also supports AI-driven breeding optimization, using machine learning to suggest ideal breeding pairs, enhancing disease resistance and yields.</p> <p>A blockchain-powered marketplace ensures secure transactions, AI-driven price optimization, and fraud prevention.</p>
24	HealiX	Priyanshu Das	Healthcare	<p>Healix: AI-Driven 5G & IoT Healthcare Solution</p> <p>Healix leverages 5G, AI, and IoT to revolutionize healthcare by enhancing real-time monitoring, remote diagnostics, and automated patient management. It tackles medical negligence and hospital overload by enabling AI-powered triage, voice-based patient intake, and telemedicine for faster and more accurate diagnosis.</p> <p>With IoT-enabled wearables, Healix continuously tracks vitals, providing real-time alerts for early disease detection. AI-powered medical imaging and automated</p>

S. No.	Team Name	Names	Theme	Brief
				<p>health records streamline diagnostics, ensuring precise and efficient patient care. The AI-driven pregnancy and youth health support community empowers women with guidance, education, and healthcare access, improving maternal and preventive care.</p> <p>Healix's 5G-powered telemedicine platform ensures seamless connectivity between patients and specialists, reducing travel time and expanding healthcare access in remote areas. Personalized insights and a user-friendly interface enhance engagement, ensuring an efficient and accessible healthcare experience.</p>
25	Starter Elites	Gaithaingam Gonmei	IoT for Oil & Gas	<p>IoT-Based Fire and Gas Leak Detection System for Oil & Gas Industry.</p> <p>This project aims to develop an advanced IoT-based fire and gas leak detection system using an ESP32 microcontroller, ensuring real-time monitoring and immediate response in hazardous environments. The system integrates multiple sensors: a smoke and gas sensor for leak detection, a flame sensor for fire detection, and a temperature-humidity sensor to assess environmental conditions and predict fire risks in low-humidity areas.</p> <p>For enhanced safety, a local alert mechanism consisting of a buzzer and LED indicators will provide instant</p>

S. No.	Team Name	Names	Theme	Brief
				<p>warnings, ensuring personnel are alerted even in the event of communication failures. Additionally, an automatic shutoff system will be activated upon gas leakage detection, triggering a relay-controlled solenoid valve to prevent further leakage.</p> <p>The ESP32 will transmit sensor data to the Blynk IoT cloud platform via WiFi, enabling remote monitoring from a safe distance. In case of WiFi or cloud failures, a SIM800L GSM module will act as a backup, sending emergency SMS alerts and making calls.</p>
26	AgriSure	Dhiraj Hazarika	Agriculture	<p>AgriSure is a mobile application designed to empower farmers in Assam and North-East India with real-time crop disease diagnosis. Farmers capture images of their crops using a smartphone, and our advanced AI—powered by deep learning models trained on region-specific data—analyzes the images to detect early signs of diseases. The app delivers immediate, actionable treatment recommendations through a user-friendly interface, featuring multilingual support (Assamese, Bengali, Hindi, and English) to ensure accessibility for all users.</p> <p>Leveraging 5G connectivity, AgriSure processes data quickly and accurately, with the potential for integration with local IoT sensors to include environmental factors</p>

S. No.	Team Name	Names	Theme	Brief
				such as soil moisture and weather conditions. By enabling early intervention, the app reduces crop losses, curtails excessive pesticide use, and promotes sustainable farming practices. Ultimately, AgriSure aims to enhance crop yields, improve farmer incomes, and support community empowerment through innovative, technology-driven agricultural solutions.
27	The IoT Squad	Mriganka Singha	IoT for Oil & Gas	Due to rapid industrialization in last few years, accidents related to oil spill and gas leaks have increased significantly which pose a great threat to human life. To tackle such life threatening situations we propose an IoT model where we will deploy lot of IoT modules containing different sensors integrated with ESP32/Arduino in places where we want to monitor oil or gas leak. The modules will send the data collected by sensors using MQTT protocol to NodeRED which is then stored in a database like InfluxDB. The data can be visualized in the form of Graphs and Dashboards using Grafana. This whole setup can be a life saving tool for the oil and gas industry.
28	Susvasthyam	Debaditya Roy	Healthcare	Title: Enhancing Malaria Diagnosis and its telemedicine treatment in Remote Northeastern Regions Problem Statement:

S. No.	Team Name	Names	Theme	Brief
				<p>Malaria remains a critical public health challenge in remote Northeastern regions due to limited healthcare facilities, resource constraints, and insufficient laboratory capabilities. Traditional diagnostic methods, including microscopy, rapid diagnostic tests (RDTs), and PCR, are underutilized due to shortages of skilled personnel, equipment, and quality reagents. Moreover, low bandwidth and connectivity issues hinder real-time data sharing, delaying critical interventions and comprehensive surveillance.</p> <p>Goals:</p> <p>Improve the accuracy and timeliness of malaria diagnosis in remote communities with the use of 5G, IOT and AI.</p> <p>Increase in the public awareness and diagnosis of malaria with the help of data capturing IOT devices and Nodal Health Centers.</p> <p>Enhance digital connectivity to facilitate real-time data sharing, remote consultations, and effective outbreak monitoring.</p>
29	Silinbou Newmai	Silinbou Newmai	IoT for Oil & Gas	I am developing a self-sustaining electrostatic precipitator (ESP) system to reduce PM 2.5 and PM 10 emissions from heavy-duty vehicle exhausts. Installed on the exhaust system, it captures energy from the turbocharger, which powers an inbuilt voltage generator

S. No.	Team Name	Names	Theme	Brief
				<p>to operate the ESP. This system efficiently traps carbon-based particulates, preventing their release into the atmosphere. Designed for compression ignition (CI) engines in trucks and buses, it helps combat urban air pollution. The unique self-powered design ensures zero external energy consumption, making it cost-effective and eco-friendly without impacting engine performance. The trapped particulates can be safely disposed of, enhancing sustainability. Beyond environmental benefits, it reduces pollution-linked respiratory and cardiovascular diseases, improving public health. Particularly relevant to Northeast India, where trucks, buses, and mining activities contribute heavily to air pollution (e.g., Meghalaya's coal mines, Assam's oil refineries), my innovation aligns with NCAP and FAME initiatives, supporting green industrialization and local manufacturing. With large-scale adoption, this closed-loop ESP system can transform the transport industry into a cleaner, greener, and more sustainable sector, significantly benefiting both society and the environment.</p>
30	Farm Easy	Tahmid Habib Choudhury	Agriculture	<p>The "Flood Proof Farming Utilizing Climate-Based Cloud Technology" initiative focuses on enhancing agricultural resilience against flooding through advanced technologies. It integrates the NESAC Flood Early Warning</p>

S. No.	Team Name	Names	Theme	Brief
				<p>System for accurate flood alerts, enabling farmers to prepare effectively. The project employs API integration for hyper-localized weather forecasts, satellite imaging for monitoring weather patterns, soil health, and water availability, and utilizes AI and machine learning to predict flood risks based on historical data. Data analysis is conducted using cloud-based algorithms, providing predictive analytics for weather forecasts and tailored farming recommendations based on soil type and crop variety. A user-friendly Decision Support System (DSS) will be developed, featuring mobile apps or web platforms that offer real-time alerts, crop planning suggestions, access to flood-resilient seeds, and irrigation management techniques. The initiative aims to enhance productivity by optimizing crop selection, promote sustainability through water conservation and reduced chemical use, and foster economic resilience by mitigating risks and exploring diversification opportunities. Future features will include advanced crop planning tools, market access for direct sales, and educational resources on sustainable farming practices, ultimately minimizing ecological impacts and supporting farmers in flood-prone areas.</p>

S. No.	Team Name	Names	Theme	Brief
31	LW3	Abhijit Pegu	Agriculture	<p>LW3 Private Limited is a blockchain startup, co-founded by two IIT alumni – Abhijit Pegu & Marungsha Swrang Brahma providing Digital Product Passports as a Service incubated under NRL iDEATION in Guwahati.</p> <p>The company won the Global Startup Pitch Competition organized by the MIT-backed Blockchain Network Algorand Foundation in New Delhi, 2023. Also, the startup was selected as the winner of the India-EU Matchmaking event, August 2024 organized by The Office of Principal Scientific Advisor to the PMO, Govt of India and Director General Research & Innovation, European Commission as part of Working Group 2 (WG 2) of the Trade & Technology Council (TTC).</p> <p>What is a Digital Product Passport? Digital Product Passports (DPP) are a software tool for collecting and sharing product data throughout its entire lifecycle used to illustrate a product's sustainability, environmental and source of origin proof. The EU has laid out a Digital Product Passport Regulation in June 2023 to make it mandatory in food imports into EU 2027-2030 onwards.</p> <p>If selected, the startup proposes a Pilot Project on 'Lakadong Turmeric' with NERCORMP.</p> <p>Important cases for Northeast states:</p>

S. No.	Team Name	Names	Theme	Brief
				<ol style="list-style-type: none"> 1. High value premium tea passport 2. Eri Silk & Muga passport. 3. Geographical Indication (GI) Passport for NER GI products.
32	SerilTech	Rupesh S	Healthcare	<p>Sterilization is a critical process in healthcare, ensuring that medical instruments remain free from harmful microorganisms. However, small hospitals, rural clinics, and mobile medical units often rely on manual sterilization methods using electric sterilizers or kettle-sized boilers, which suffer from long processing times, lack of real-time monitoring, and inconsistent sterility. Additionally, power failures in remote areas can halt sterilization, increasing the risk of infections.</p> <p>This project proposes an IoT-based smart sterilization monitoring system that enhances efficiency, safety, and reliability. The system integrates temperature, pressure, humidity, and vibration sensors with a microcontroller (NodeMCU/ESP8266) to continuously track sterilization conditions. A steam injection method is used to reduce sterilization time from 30 minutes to 5-10 minutes, while real-time IoT monitoring provides live tracking and automatic alerts in case of failures. Additionally, the system features auto shutdown and steam recovery, optimizing water and energy usage.</p>

S. No.	Team Name	Names	Theme	Brief
				Designed for low-resource healthcare settings, this cost-effective solution ensures sterilization reliability even in power-constrained environments. By integrating IoT and smart monitoring, this project improves infection control, enhances patient safety, and modernizes sterilization processes for small and mobile healthcare facilities.
33	SOFT_TECH	Rajbir Chatterjee	Healthcare	<p>AI System Based on Android~MySQL Client Server Based Architecture.</p> <p>A smart Patient registration system saves a lot of time for the admins as it eases multiple tasks including patient management, employee management, and fees management, thus improving the time management for staff members. It also proves helpful to the family members and friends who come to pay the fees as they don't need to wait in queues for paying the fees because of the fast functionality of the fee management software.</p> <p>Traditional methods of school management generate errors on multiple occasions and management needs to spend a lot of time checking data. A smart e-school management system makes the entire process error-free as everything is automatically calculated and thus</p>

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				it saves a lot of time for everybody involved in the functioning of campus administration.
34	PregnaCare AI	Angom Sonali Devi	Healthcare	<p>In many rural and underserved regions, timely maternal health monitoring remains a critical challenge, often resulting in increased risks for both mothers and infants. PregnaCare is a technology-driven maternal health monitoring solution designed to provide real-time tracking, early risk identification, and proactive intervention.</p> <p>By integrating IoT-enabled wearable devices such as smart patches and watches, this system continuously monitors maternal vitals—including heart rate, blood pressure, and glucose levels—as well as fetal health indicators like movement patterns and heart rate variability. The collected data is analyzed using advanced predictive models, allowing for early detection of conditions such as gestational diabetes, preeclampsia, fetal distress, and risks of preterm labor.</p> <p>To facilitate timely medical attention, PregnaCare incorporates an automated alert system, notifying healthcare providers and caregivers of any irregularities. The use of 5G connectivity ensures seamless data transmission and enables remote consultations with medical professionals, making expert care accessible</p>

S. No.	Team Name	Names	Theme	Brief
				<p>even in remote locations. Additionally, the platform is designed for community integration, allowing Self-Help Groups (SHGs) and rural health workers to assist in implementation, thereby improving maternal health outcomes on a larger scale.</p> <p>By leveraging technology for predictive healthcare, PregnaCare enhances maternal and fetal well-being, ensuring safer pregnancies and healthier births, particularly in regions with limited healthcare access.</p>
35	Dipak Bharali	Dipak Bharali	Agriculture	<p>Handloom plays a vital role in cottage industry as down stream of Agriculture. Due to lack of technology intervention weaver can't earn as they expect from it. We are trying to introduce sustainable technology to boost income of the weavers.</p> <p>Our magnetic Buta Weaving Device Patent no 302890 increase Buta Weaving speed by more than 40 time so the output increase more than three times.</p>
36	Biomedic AI	Rahul Bhagwati	Healthcare	<p>Title: Fast detection and estimation of internal haemorrhage using AI: An affordable solution for critical care in NE India</p> <p>Hemoperitoneum, the accumulation of blood in the abdominal cavity, requires immediate and accurate diagnosis to prevent mortality. In North-East (NE) India,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>limited healthcare resources and a shortage of radiologists hinder timely diagnoses. Contrast-enhanced CT (CECT), the diagnostic standard, faces barriers like contrast unavailability, patient sensitivities, and scarcity of medical personnel, particularly in rural areas. Current diagnostic methods are tedious and require specialized expertise. While deep learning solutions showed promise with CECT, they remain unexplored for non-contrast CT (NCCT), leaving a gap during emergencies.</p> <p>Our innovative solution addresses these challenges with a cost-effective, radiomics-driven AI framework for automating hemoperitoneum detection and quantification using NCCT. It offers a faster, safer, and cheaper diagnostic pathway.</p>
37	TerabyteX	Akash Bora	Agriculture	<p>IDEA NAME: AgriRoad - An innovative E-commerce platform for Agriculture</p> <p>AgriRoad, developed by Team TerabyteX, is an innovative e-commerce platform aimed at promoting transparency in farmer-to-customer transactions, ensuring both parties benefit from authenticity and quality.</p> <p>Create an e-commerce platform to enhance farmer-to-customer transparency.</p> <p>Customers: Access to genuine, naturally grown farming</p>

S. No.	Team Name	Names	Theme	Brief
				<p>products with assured quality.</p> <p>Farmers: Full payment for products, direct customer feedback, and increased market visibility.</p> <p>Society: Revolutionize agricultural transactions, promote transparency and trust.</p> <p>-----AgriRoad Marketplace-----</p> <p>Seamless Digital Selling: User-friendly platform for farmers to sell farm products.</p> <p>Farmer Verification: Only authentic, verified farmers can sell on the platform.</p> <p>Sustainable Products: Consumers can purchase products from sustainable farming practices.</p> <p>Consumer Traceability: Complete product information, including origin and farming methods.</p> <p>Direct Market Connection: Farmers connect directly with consumers, reducing intermediary costs.</p> <p>Localized System: Farmers can sell within their locality, connecting nearby cities and villages.</p> <p>-----Workflow-----</p> <p>Farmers undergo mandatory verification.</p> <p>Consumers shop for products from local verified farmers.</p> <p>Farmers receive orders and we pack their products with QR codes.</p> <p>Verified products with detailed information are delivered</p>

S. No.	Team Name	Names	Theme	Brief
				<p>to consumers. Farmers are paid monthly. Consumers provide mandatory reviews and ratings. -----Business Plan----- Commission: A transparent fee of 5%-10% per sale. Shipping Charges: Fair delivery charges based on locality. Majority Payment: Direct payments to farmers' banks. No Subscription: No monthly subscription fees.</p>
38	NER-Rangers	Saurabh Sati	IoT for Oil & Gas	<p>Oil and gas pipeline leaks pose significant environmental, financial, and safety risks. Current detection methods rely on manual inspections or expensive proprietary systems, which are inefficient and reactive. Our real-time Pipeline Leak Detection System leverages Machine Learning (ML) and sensor data to identify potential leaks instantly, reducing response time and preventing large-scale damage.</p> <p>The system collects pressure, flow, and acoustic sensor data from multiple pipeline points. An Isolation Forest ML model analyzes this data, detecting anomalies that indicate leaks. The results are visualized in a Streamlit-based dashboard with an interactive map (Folium), highlighting leak locations in real time. The system also supports auto-refreshing data, historical analysis, and automated report generation (daily, weekly, monthly).</p>

S. No.	Team Name	Names	Theme	Brief
				<p>While our current implementation uses simulated sensor data, future versions will integrate optical fiber-based real-time data transmission and IoT sensors for enhanced accuracy. Additionally, automated alerts (email/SMS) and cloud storage will improve usability. This cost-effective, scalable, and AI-driven approach makes pipeline monitoring more efficient, reducing environmental hazards and maintenance costs.</p> <p>This project demonstrates ML-based anomaly detection, real-time data processing, and advanced visualization, paving the way for smart, AI-powered pipeline systems.</p>
39	BharatIoT	Sanjay Singh	Agriculture	<p>Managing and maintaining extensive pipeline networks for utilities like oil, gas, and water is challenging due to the need for continuous monitoring, leak detection, and fire prevention. IoT-enabled smart monitoring offers a proactive solution by integrating real-time sensors, AI-driven analytics, and cloud connectivity to enhance safety, efficiency, and sustainability.</p> <p>IoT sensors deployed along pipelines can detect leaks, pressure drops, corrosion levels, and temperature variations, providing early warnings before failures occur. Gas detection systems can identify hazardous leaks of methane (CH₄) and hydrogen sulfide (H₂S), triggering</p>

S. No.	Team Name	Names	Theme	Brief
				<p>automated emergency shutdowns. AI-powered predictive analytics help forecast maintenance needs, reducing unplanned downtime and repair costs.</p> <p>For safety and compliance, worker wearables and air quality monitors ensure personnel and community well-being by tracking toxic gas exposure. Smart fire prevention systems use thermal imaging and flame sensors to detect fire risks and trigger automated suppression.</p> <p>Data from IoT sensors is transmitted via LORA, GSM , or satellite networks to a centralized cloud dashboard, enabling remote monitoring and rapid decision-making. This reduces environmental impact, improves regulatory compliance, and enhances overall operational efficiency.</p>
40	Infiheal	Srishti Srivastava	Healthcare	<p>In Northeast India, mental health challenges are amplified by scarcity of counselors, prevalent stigma, socio-economic issues such as unemployment and substance abuse. Educational institutions often lack mental health resources, leaving young people unsupported. Notably, Manipur reports a lifetime mental morbidity rate of 19.9%, Assam 8.1%, and some tribal areas have suicide attempt rates as high as 14.22%, with 6.42% experiencing anxiety symptoms(NMHS, 2015). Healo addresses these gaps by offering 24*7 AI therapy and therapist matching to ensure</p>

S. No.	Team Name	Names	Theme	Brief
				<p>mental health care is stigma-free, accessible through voice-to-text and text-to-voice functionalities, and affordable, even in low-resource settings. Unlike generic AI bots, Healo is powered by over 155,000 in-house therapy sessions, curated by mental health experts and updated weekly. This training integrates the latest research in psychoneuroimmunology and mind-body connections, ensuring that responses are empathetic, research-backed, and personalized aiding users in navigating mental health struggles away from misleading online information. It also connects them with licensed professionals for more profound care through its therapist-matching feature. In crisis situations, such as suicide or domestic violence, it promptly links users to helplines and assists in creating a safety plan ensuring accessible and tailored mental health support across the region.</p>
41	Krishi Sahayog	Pari Agarwal	Agriculture	<p>Farmers in India face a pressing issue of of unawareness, about growing suitable crops, weather, prices and buyers of the crops. Mobile-based AI solutions may not be user-friendly for them and lack personalization to location and local needs and prices.</p> <p>Farmers require a physical unbiased advisor who knows it</p>

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				<p>all and that is impractical. Thus we present our idea "Sanjaya" a smart advisory device, and its companion application, Krishi Sanjaya Sahyog:</p> <ol style="list-style-type: none"> 1. A hardware device that is fixed in the local common farming area allowing multiple farmers to access the AI. 2. It has a screen(Displays real-time data), speaker, Environmental sensors (to measure soil fertility, wind, etc), a AI software and a database containing the details of the farmers of that area. 3. Farmers can registering with unique farmer ID and then interact with the device using voice commands 4. The device will provide personalized crop recommendations keeping in mind the market insights, weather forecasts, crops grown by other farmers (to prevent oversupply) along with farming techniques, awareness about fertilizers, etc. 5. It shall be a complete Farmer companion that shall also connect the farmers with the agents/companies for selling their crops who would offer them a fair price

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42	PathScan	Krishnanga Kr Kalita	Healthcare	<p>PathScan Technologies offers on-site screening device with AI Image recognition technology, for early detection of cervical cancer in women from rural areas of the Northeast of India.</p> <p>In India and especially in the Northeast India of India-</p> <ol style="list-style-type: none"> 1. Cervical cancer is the second most common cancer among women in India. 2. In 2022-2023, the Northeast region showed highest burden of cervical cancer in India, with 290.1 DALYs per 100,000 women. 3. NE India exhibits much higher mortality rate of 11.2 deaths per 100,000 women, where the global average stands at 7.1. 4. Assam Medical College and Hospital, Dibrugarh reveal in 2024 that 13% of women of NE have high risk of HPV infections leading to cervical cancer. 5. These figures highlight the ongoing burden of cervical cancer in India, and our efforts in prevention, early detection, and treatment. <p>PathScan Technologies' portable image scanner makes it possible powered by image recognition technology, which provides on-site early screening of HPV infections. Our solution is affordable, reliable, and scalable over multiple districts and states of Northeast with our Hub and Spoke</p>

S. No.	Team Name	Names	Theme	Brief
				<p>model.</p> <p>Our novelty lies in our approach to make our software platform very Resource-light, Vendor agnostic, Flexible and Secure. Some of our key features are- Hub-and-Spoke model for flexibility, third party AI-plugins, Low-bandwidth requirements.</p>
43	TRIBALAG LIMITED	Sri Nirmal Bhattarai	Agriculture	<p>**Concept Note: Fruit Tree Lifecycle Management and Agribusiness Solutions**</p> <p>Agriculture in the Northeast Region of India faces multiple challenges, including inefficient farm management, lack of real-time data, and limited market access. Our **Fruit Tree Lifecycle Management and Agribusiness Solution** aims to revolutionize agroforestry and empower farmers through digital transformation.</p> <p>Our solution consists of three integrated portals:</p> <ol style="list-style-type: none"> **Farmer's Portal** – Enables farmers to apply for planting, access weather updates, receive agro-advisories, and track progress. **Vriksha Sevak Portal** – Facilitates service providers in managing nurseries, tracking saplings, monitoring fruit collection, and supporting on-field activities. **Admin Portal** – Ensures centralized monitoring, data analytics, and seamless coordination among stakeholders.

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				<p>Core features include: Land & activity tracking, AI-driven plantation monitoring, farmer engagement metrics, and integration of carbon credit rewards. By offering real-time insights, predictive analytics, and seamless collaboration, our system enhances productivity and sustainability.</p> <p>Through this initiative, we aim to improve livelihoods, optimize agribusiness operations, and create a scalable, tech-driven model for sustainable farming. Our participation in NER Tech Hackathon 2025 will demonstrate the potential of smart agroforestry solutions to drive economic and environmental transformation in the region.</p>
44	Nutrixeric	Chinmoyee Rajkumari	Agriculture	<p>Nutrixeric: A Community-Driven Approach to Food Security</p> <p>In North East India, we have an abundance of nutritious indigenous food, but much of it goes to waste due to lack of preservation and market access. Women and small farmers, who are the backbone of agriculture, often don't get the recognition or economic benefits they deserve. At Nutrixeric, we are working to change that. We use, sustainable solutions like solar-powered dehydrators to help communities preserve seasonal produce like Garcinia, Moringa, and Roselle. This ensures that nutritious food is available year-round while reducing waste at site</p>

S. No.	Team Name	Names	Theme	Brief
				<p>for optimum benefit.</p> <p>Our vision is simple: No food should go to waste, and no farmer should be left behind. Through Nutrixeric, we are creating a future where traditional food knowledge meets modern solutions, ensuring food security and livelihoods for generations.</p>
45	COH Thenzwal	Prerna	Agriculture	<p>In this project, we aim to explore the exciting world of mushroom cultivation under vertical farming. Mushroom cultivation under vertical farming is a method where mushrooms are grown in a vertically stacked system, maximizing space utilization. Instead of traditional horizontal cultivation, vertical farming utilizes shelves or racks to create multiple growing levels. This allows for efficient use of space, increased productivity, and easier management of environmental conditions such as temperature, humidity, and lighting. Vertical farming can be implemented in controlled indoor environments, providing optimal conditions for mushroom growth throughout the year. It also allows for better control over pests and diseases, resulting in higher-quality and consistent mushroom yields.</p> <p>This offers numerous benefits such as Sustainable use of agriculture resources like land and water mainly in hilly region</p>

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				<p>Fulfill the nutrition requirement have good source of mineral, vitamins , free form fat , have low starch content, low in calories with trace of sugar and no cholesterol</p> <p>It is a rich source of protein higher than the protein content in vegetable and fruit</p> <p>High percentage of essential amino acid and mainly rich in lysine and tryptophan which are deficient in cereals.</p> <p>One potential problem in mushroom cultivation under vertical farming could be maintaining the optimal environmental conditions. Factors like temperature, humidity, and CO2 levels need to be carefully monitored and controlled. However, this can be addressed by integrating environmental sensors and automated climate control systems. These technologies will help ensure that the growing conditions remain within the desired range, promoting healthy mushroom growth. Additionally, regular monitoring and adjustments based on data analytics can help identify and address any deviations from the ideal conditions.</p> <p>Many of the farmer do not have access to internet or dont have Knowledge regarding techniques so they contact (available 24x7)</p> <p>Availability Of spawn in store and also promote micro interprises</p>

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46	Harsh Chauhan	Harsh Chauhan	Healthcare	<p>Signify is an innovative, AI-powered assistive technology designed to bridge communication gaps for individuals with speech and hearing impairments. By leveraging advanced computer vision and machine learning algorithms, Signify translates sign language into real-time voice and text, enabling seamless interaction between sign language users and non-signers. The device features a lightweight, wearable design, offering portability and ease of use in various environments including educational institutions, healthcare facilities, and workplaces. Signify's core technology analyzes hand gestures, facial expressions, and body movements to produce accurate, natural language output. This breakthrough solution not only enhances communication but also fosters social inclusion and independence for users who often face isolation due to language barriers. Recognized with the National Best Startup Award, Signify has garnered attention for its potential to revolutionize accessibility. Our business is committed to continuously improving our AI algorithms, expanding language support, and integrating user feedback to drive innovation. With Signify, we aim to empower millions by transforming everyday communication and creating a more inclusive society.</p>

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47	Agro - Smart	ANURAG KAR	Agriculture	<p>This advance and innovative system represents a breakthrough in sustainable agriculture by merging IoT-based precision farming with water conservation methods much Helpful for regions like North Eastern India, where abundant rainfall paradoxically coexists with water scarcity due to steep terrain, the system offers a comprehensive solution to optimize agricultural resources. At its core, the system employs a network of sensors monitoring soil conditions, ambient weather, and water levels, all powered by renewable solar energy. The true innovation lies in its integration of AI-driven decision-making with automatic rainwater harvesting techniques. Real-time data from sensors and weather forecasts feed into an AI engine that generates precise irrigation recommendations, while automated controls manage water distribution from harvested rainwater tanks. The system operates through a five-layer architecture: sensors for data collection, Raspberry Pi for data transmission, cloud-based processing with AI analytics, user interface through web and mobile dashboards, and automated control systems for irrigation. This creates a closed-loop system that continuously optimizes water usage and crop health. Beyond its technical sophistication, the system's</p>

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				significance lies in its potential to revolutionize farming by making precision agriculture accessible and combining it with water conservation.
48	AgriTech	Lipranj Daharwal	Agriculture	<p>AI-Powered Smart Storage & Blockchain Trade Platform for Agriculture</p> <p>Agriculture, the backbone of global sustenance, faces challenges like post-harvest losses, inefficient storage, and insecure trade mechanisms, particularly in Northeast India. Our AI-Powered Smart Storage & Blockchain Trade Platform transforms agricultural storage and trading by integrating AI, IoT, and blockchain for efficiency, transparency, and security.</p> <p>Our smart cold storage system uses AI-driven climate control to regulate temperature, humidity, and ventilation, ensuring produce longevity. Anomaly detection algorithms predict spoilage, while automated inventory management optimizes resource allocation. IoT-powered monitoring enables remote access and real-time alerts, ensuring proactive intervention and reducing human dependency.</p> <p>On the trading front, our blockchain-based marketplace eliminates middlemen, reduces fraud, and ensures trust. Farmers, wholesalers, and retailers can use smart contracts for secure, transparent transactions with fair</p>

S. No.	Team Name	Names	Theme	Brief
				<p>pricing, instant payments, and verified trade records. This boosts rural market access and strengthens small-scale farming communities.</p> <p>Security is paramount—our platform incorporates biometric authentication, multi-signature verification, and AI-driven fraud detection. A predictive analytics dashboard provides market insights, demand forecasting, and optimal storage strategies for improved decision-making.</p> <p>Designed for scalability, this solution reduces food wastage, secures trade, and empowers farmers with a sustainable, profitable, and technology-driven approach—redefining the future of farming and economic growth in Northeast India.</p>
49	HN Technovations LLP	Harjeet Nath	Healthcare	<p>HN Technovations LLP is at the forefront of developing portable water purification machines tailored to the unique challenges faced by disaster response teams and military personnel. Our innovative solutions ensure safe, potable water access in extreme conditions, whether during natural disasters, humanitarian crises, or military field operations.</p> <p>Our diverse product lineup includes:</p> <p>1) Petrol/Electricity/Hand Pump-Based Water Purifier –</p>

S. No.	Team Name	Names	Theme	Brief
				<p>Ideal for rapid deployment in flood-affected areas, converting flood, river, or pond water into WHO-grade drinking water.</p> <p>2) Solar Hybrid Smart Water Purifier – A dual-purpose unit that provides both water purification and emergency power supply, perfect for remote military camps and disaster-stricken zones.</p> <p>All our machines are patented from Tripura and designed and manufactured here itself. It also consists of advanced sensor techniques to smartly operate each of our purifiers. The process is on to attach a 5G based realtime water quality monitor with each machines for the concept and the device is ready and can be exhibited.</p> <p>Each of our machines is portable, solar-compatible, and designed for rugged environments, ensuring efficiency, reliability, and adaptability in critical situations. HN Technovations LLP is committed to empowering relief forces and defense personnel with sustainable, life-saving water solutions.</p>
50	Biswajit Paul	Biswajit Paul	Healthcare	Getting an appointment with doctors, labs, door delivery of medicines was never easy. Issued prescription had chances of getting lost resulting to poor diagnosis. People moving out for surgeries or check-up doesn't find any assistance for admission, discharges or faces financial

S. No.	Team Name	Names	Theme	Brief
				<p>crunches too and there. Quickobook comes with entire healthcare solutions. Company helps to get the loan for surgeries from partnered organization by 48 hours and provides an ERP Solution for keeping the patient history in form of data and images forming a pattern helping doctors to understand the probability of that disease in percentage getting more time to react before happening of the medical events may be cardiovascular arrests, brain strokes and so on. Quickobook.com comes with a complete package with doctor appointment, doorstep medicine delivery, lab appointments, surgery care assistance and online consultations sharing the largest network across the NorthEast India empaneled with 50K+ daily visitors, 10K + doctors and 2 Million+ lives impacted with 50K+ downloads & 4.4 ratings on playstore.</p> <p>Quickobook has been applauded as one of the most promising start up of northeast by Chief Minister of Assam, Dr. Himanta Biswa Sarma and raised an Investment of 1 Crore from Nedfi Venture capital Limited, STPI, Banks and HNI Clients. Quickobook was also selected among the 100 best companies for the Sharktank Season 2, India biggest spot funding show.</p>
51	AiFlux Innovations	Basabananda Goswami	Agriculture	<p>Laphu: Revolutionizing Button Mushroom Cultivation</p> <p>Laphu is a comprehensive, technology-driven system</p>

S. No.	Team Name	Names	Theme	Brief
				<p>designed to transform button mushroom farming into an accessible, scalable, and profitable venture. Built on a Hub and Spoke model, Laphu establishes centralized compost production hubs while empowering farmers with state-of-the-art, modular grow houses at the spokes.</p> <p>Leveraging Cloud Computing and IoT, Laphu ensures real-time environmental monitoring of critical parameters like temperature, humidity, and CO₂ levels, making precision agriculture feasible for general farmers. Through data-driven insights and remote advisory support, the system minimizes risks and enhances productivity.</p> <p>Laphu fosters community-driven clusters, promoting collaboration, training, and streamlined market access for small and mid-scale farmers. By democratizing advanced mushroom cultivation techniques, Laphu unlocks new economic opportunities and ensures year-round, high-yield production—ushering in the next era of sustainable, tech-enabled agribusiness.</p>
52	Aghizu go	Kaosar Ahmed	Healthcare	<p>AGHIZU GO – A 5G-Enabled Portable Telehealth Diagnostic Suitcase</p> <p>AGHIZU GO is coming up with a telehealth diagnostic suitcase that is portable and is meant to be used in remote and mountainous regions of Northeast India where healthcare is almost non-existent. This innovative</p>

S. No.	Team Name	Names	Theme	Brief
				<p>solution integrates telemedicine, AI-powered diagnostics and emergency medical tools into a single, easily transportable unit.</p> <p>The suitcase consists of diagnostic equipment such as blood pressure monitor, glucose sensor, ECG, pulse oximeter, portable ultrasound and digital stethoscope. A 5G-enabled tablet is used for teleconsultations with doctors through an adaptive video transmission system that switches from live streaming to 5-second video clips according to the network strength. In case of extreme low-network conditions, satellite connectivity is provided.</p> <p>A special feature of the system is a laser-guided display that helps doctors to remotely show the areas of the patient's body which need attention during the consultation. The suitcase also contains important emergency drugs for initial treatment. Healthcare workers who will be trained to use the suitcase will ride on motorcycles like the Royal Enfield Himalayan to the most remote villages.</p> <p>In three stages, the idea was developed, first from a basic prototype and then to a fully optimized, compact version of AGHIZU GO to fill the healthcare gap, decrease patient travel time and extend life-saving diagnostics to the most remote villages.</p>

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53	Partha Pratim Baruah	Partha Pratim Baruah	Agriculture	<p>Agriculture today faces multiple challenges, including yield plateaus, degrading soil health, water stress, post-harvest losses, and volatile market prices. These factors significantly impact farmers' profitability and food security. Vidhi Analytica LLP, through its AI-powered Crop Management and Market Connect platform, aims to address these issues by integrating soil health monitoring, market linkage, cost management, and farm management into a single digital solution.</p> <p>One of the key aspects of sustainable farming is soil health management, as micronutrient balance directly affects crop productivity. Vidhi's AI-based solution allows farmers to make informed decisions regarding soil amendments and crop selection, crop health assessment, production cost tracking, and demand-based harvesting that help farmers to optimize their yield and reduce post-harvest losses.</p> <p>The integration of market intelligence and predictive analytics ensures that farmers receive real-time alerts on price trends, weather conditions, and best-selling opportunities, bridging the gap between production and demand. By leveraging technology, this initiative brings a paradigm shift in farming practices, making agriculture more efficient, profitable, and resilient.</p>

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54	SheshNaag	ANIKET KHORWAL	Agriculture	<p>Our work on "Robust, Resilient & Secure Drone Wireless Communication Protocol Integration Architecture" addresses the critical security challenges faced by modern drone communication systems. As drones become increasingly integral to IoT infrastructures across defense, commercial, and civilian sectors, ensuring secure, reliable, and resilient communication has become essential. The paper identifies various attack vectors, such as de-authentication, DoS, spoofing, and MITM, which exploit vulnerabilities in existing wireless protocols including 2G, 3G, 4G, and 5G standards.</p> <p>To counter these threats, we proposed a novel communication architecture integrating advanced protocols like DHCP+ Unicast, S-ARP, EAP-TLS, TLSv1.3, OPENVPN, MFP, and WPA3 MIC IE. This architecture emphasizes the CIA Triad principles—Confidentiality, Integrity, and Availability—ensuring secure D2D (Drone-to-Drone) and D2C (Drone-to-Control) communications. The implementation of these protocols provides robust defense mechanisms against attacks such as ARP spoofing, data tampering, and unauthorized access. Our study demonstrates the effectiveness of this architecture through simulations, highlighting its ability to secure communication links, prevent data interception,</p>

S. No.	Team Name	Names	Theme	Brief
				and enhance the reliability of drone operations in both swarm and standalone modes. The proposed multi-layered security framework is presented as a scalable solution for future drone deployments.
55	Bwise by Leorganica	Srujan Kotum	Agriculture	<p>Bwise is an innovative IoT-driven solution designed to revolutionize beekeeping by integrating smart hive monitoring with automated honey extraction. Our smart bee boxes are equipped with sensors that track hive health, temperature, humidity, and bee activity, providing real-time insights to beekeepers through a user-friendly mobile app. This data-driven approach minimizes colony losses, optimizes honey production, and ensures sustainable beekeeping practices.</p> <p>A key feature of Bwise is its hybrid extraction system, which allows beekeepers to switch between automatic and manual honey collection, reducing labor costs and improving efficiency. Additionally, the platform offers AI-powered disease detection and predictive analytics to alert beekeepers about potential threats, fostering proactive hive management.</p> <p>Bwise targets small-scale and commercial beekeepers, addressing key challenges like declining bee populations, inefficient honey harvesting, and lack of access to real-time data. By enhancing productivity and sustainability,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>our solution contributes to biodiversity conservation while increasing profitability for beekeepers.</p> <p>Currently, Bwise is piloting in Meghalaya, India, with plans for expansion across South Asia. We seek partnerships with agricultural bodies, research institutions, and government initiatives to scale our impact. Bwise envisions a future where technology empowers beekeepers, secures pollination ecosystems, and drives innovation in the honey industry.</p>
56	Mealth	Aakifah Tanweer Laskar	Healthcare	<p>Introduction:</p> <p>Mealth is a Digital Mental Health Platform offering telepsychiatry, therapy, and behavioral health analytics. Our goal is to provide accessible, affordable, and stigma-free mental healthcare for individuals, organizations, and institutions.</p> <p>Offerings:</p> <p>Mental Health & Well-being Platform: A secure WebApp for remote therapy, psychiatry, self-care resources, and EMR integration.</p> <p>Therapy & Counseling: Confidential one-on-one sessions with certified therapists.</p> <p>Psychiatric Services: Expert consultations for diagnosis, treatment, and medication management.</p> <p>Organizational Programs: Employee and student well-</p>

S. No.	Team Name	Names	Theme	Brief
				<p>being initiatives, awareness workshops, anonymous screenings, and comprehensive analytics.</p> <p>Pipeline Product: mAltri</p> <p>An AI chatbot for mental health screening, client-professional matching, treatment planning, guided self-care, and progress monitoring.</p> <p>Why Mealth?</p> <ul style="list-style-type: none"> - Accessible & Affordable digital solutions. - Holistic Approach integrating therapy, psychiatry, and AI.
57	Mavericks	Nilam Sanjib Chakraborty	Healthcare	<p>To enhance accessibility and engagement, a dedicated web platform can be developed as part of the 5G-enabled AI Health Ecosystem, offering real-time health monitoring, AI-driven consultations, and community-driven healthcare solutions. This website will serve as a central hub where users, especially women and youth, can access telemedicine services, AI-based health assessments, maternal and mental health support, fitness tracking, and emergency assistance. The platform can be built using React.js for the front-end, Node.js with Express for the backend, and MongoDB for storing user health data securely, ensuring a scalable and efficient architecture. Integration with IoT devices using WebSockets and MQTT will enable seamless real-time data transmission from wearables and smart kiosks,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>allowing instant health tracking and diagnosis. AI models (TensorFlow/PyTorch) trained on diverse datasets will analyze user data to provide predictive healthcare insights, early disease detection, and personalized recommendations. A blockchain-based security framework will ensure data integrity, privacy, and secure transactions between patients and healthcare providers. Additionally, an interactive chatbot powered by OpenAI API can assist users with health queries, symptom analysis, and appointment scheduling, making healthcare guidance more accessible and responsive. A dashboard for doctors and policymakers will visualize community health trends using AI-driven analytics, enabling targeted interventions and improving public health initiatives. Furthermore, 5G connectivity will enhance remote diagnostics and telehealth services, reducing response time for emergency medical support while also ensuring low-latency, high-speed access to medical resources in both urban and rural areas.</p>
58	CARE NE	Hrishikesh Das	Healthcare	<p>Background: The rising cases of breast and cervical cancer in northeastern India is made worse by a lack of awareness, poor screening facilities, and restricted access to healthcare. Improving survival rates requires early discovery, yet in distant locations and rural areas,</p>

S. No.	Team Name	Names	Theme	Brief
				<p>established techniques are frequently unavailable.</p> <p>Project Concept: To facilitate early identification of breast and cervical cancer, we suggest the "CareNE", an AI-powered software that uses deep learning. To give risk evaluations, the app will use symptom-based inputs and image-based analysis (such as radiology images and other kinds of datasets). It will be accessible in environments with little resources since it will be made for use by nurses, community health workers, and individuals. The software utilizes Deep learning algorithms are trained on a variety of datasets to precisely evaluate and identify anomalies in medical images. The user friendly interface makes for an easy to use and culturally aware for the diverse population of Northeast India.</p> <p>Impact: The software focuses on lowering death rates by early identification of breast and cervical cancer, an enhanced availability of screening in isolated and underprivileged regions and raising awareness and providing preventative care to empower women of north-east India.</p> <p>Conclusion: By fusing state-of-the-art technology with community-focused solutions, "CareNE" seeks to close the healthcare gap in Northeast India and across the globe.</p>

S. No.	Team Name	Names	Theme	Brief
59	Trio	Bisant chowdhury	Healthcare	<p>AsthmaSense: Asthma detection using AI</p> <p>Asthma is chronic respiratory disease and is a serious health-related issue in northeast states of India now a days, because of increasing harmful environmental factors-high humidity, air pollution, and pollen levels, which contribute to increase the asthma disease . Early diagnosis and timely action are necessary for proper asthma management.</p> <p>So our project proposes an AI-driven real-time asthma prediction system that analyzes breathing sounds of the patient to detect early stage symptoms of an asthma attack. Using deep learning and machine learning techniques, the system will process the audio recordings of breathing patterns which has been captured by smartphones or wearable devices. It will identify respiratory abnormality from the breathing pattern such as wheezing, shortness of breath, and airway obstructions, providing real-time alerts to patients and the stage of the patient in the asthma.</p> <p>The models will continuously learn from patient history data, environmental parameters data and real-time inputs data to produce accurate prediction models. It will also contain a user friendly mobile application which allow to facilitate remote monitoring risk level of asthma</p>

S. No.	Team Name	Names	Theme	Brief
				<p>to the patient , allowing doctors to track high-risk patients and provide timely interventions.</p> <p>By integrating AI with respiratory health monitoring, our project aims is to reduce emergency hospital visits, improve asthma management, and enhance healthcare accessibility in remote areas like small villages. We believe that it will bring a transformative tool in the field of healthcare and ensuring a better quality of life for asthma patients in the northeast.</p>
60	IndiMeat	Sayanika Deka	Agriculture	Developing a cluster of women livestock farmers for high demand natural meat protein and value added products from natural egg

Social Media Snapshots: Nexus 5G Labs

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104 followers
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Introducing NER Tech Hackathon:
Showcase your innovation in Healthcare, Agriculture, Animal Husbandry and IoT for Oil and Gas using 5G, AI, IoT and other technologies!

Submit Your Entry Before: 24th Feb 2025
Event Date: 11th March 2025

Exciting Rewards:
Cash Prize of 10 Lakhs for Winners
Consolation Awards for 3 Teams (₹2 Lakhs each)

Who Can Join?
College/University Students, Startups & Innovators
Register Now: <https://lnkd.in/g/SnPEV8>

#5Ginnovation #Hackathon #5G #northeast #prizes #technology #IoT #healthcare #agriculture #oilandgas #animalhusbandry Assam Startup STPI - Software Technology Parks of India



NER TECH HACKATHON

Cash Prizes to winners

- 1st: ₹10,00,000
- 2nd: ₹2,00,000
- 3rd: ₹2,00,000

Participation certificate for all the participants & university/college awarded

Last Date for Registration: 24th Feb 2025

Date: 11th March 2025
Venue: Assam Administrative Staff College, Guwahati
1st & 2nd teams for each Team

Startups, Entrepreneurs, Innovators, College/University Students can Participate

Scan to Submit Entry

Themes

- 01 Healthcare
- 02 Agriculture
- 03 Animal Husbandry
- 04 IoT for Oil and Gas

REGISTER NOW

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Honoring Our Chief Guest – Shri Longki Phangcho

We were privileged to have Hon'ble Member, [North Eastern Council](#), Shri ...more



👤 Pushpender Tanwar and 17 others

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Celebrating the Grand Winners of NER Tech Hackathon 2025!

A huge congratulations to Team **IndiMeat**, winners of the NER Tech Hackathon 2025!

Their presentation skills, market understanding, and technology-driven execution made them stand out in this high-stakes competition. **Sayanika Deka** and **Jubanayan Saikia** impressed the judges with their vision and dedication, securing the top spot in this innovation challenge.

Kudos to Team Indimeat for their incredible achievement! We can't wait to see their journey ahead.

#NERTechHackathon2025 #InnovationForImpact #HackathonWinners
#TechForGood #StartupSuccess #5GInnovation



🌐 Pushpender Tarwar and 10 others

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NER Tech Hackathon 2025 – A Grand Success!

The NER Tech Hackathon 2025, organized by NERCORMS and Amantya ...more



Pushpender Tanwar and 48 others

Website Snapshots – www.nec5g.org

NERCORMS [Register Now](#)

NER Tech Hackathon

Innovate and compete to develop solutions that address gaps in the North East, with a focus on women, youth, and self-help group empowerment. The hackathon focuses on healthcare, agriculture, social forestry, and ICT for O&S (increasing technology to reach the least able and serve even the most remote communities in the region).

Event Date: 1st March 2023
Venue: Baram Administrative Staff College, Suvaohat

Extended Registration Deadline: 1st March 2023

[Submit Your Entry](#)

Prizes

For Winner
INR 10,00,000

Consolation Awards for Three teams
INR 2,00,000 Each

₹5,000 for miscellaneous expenses will be paid to every selected team.

Overview

The NER Tech Hackathon, an initiative by NERCORMS, is designed to drive innovation and technological advancements in the North Eastern Region (NER). This hackathon provides a platform for developers, researchers, entrepreneurs, and students to harness the power of 5G, IoT, AI, and related technologies to solve critical societal challenges in the region. With a special focus on women, youth, and self-help groups (SHGs), this initiative aims to create scalable solutions that foster economic empowerment and sustainable development.

[Submit Your Entry](#)

Themes

01



Healthcare

- Enhance healthcare with IoT, AI, and IoT.
- Improve health monitoring and access.
- Drive community health solutions.
- Focus on women and youth empowerment.

Submit Your Entry

02



Agriculture

- Boost farming with tech-driven solutions.
- Promote sustainable agriculture.
- Improve productivity and resource use.
- Support youth and OHS-led innovations.

Submit Your Entry

03



Animal Husbandry

- Advance livestock management with tech.
- Improve disease control and care.
- Empower rural women and SMEs.
- Drive sustainable animal practices.

Submit Your Entry

04



IoT for Oil & Gas

- Apply IoT for smart monitoring.
- Increase safety in health and gas.
- Support community well-being.
- Create inclusive tech solutions.

Submit Your Entry



Who Should Participate

Startups/Entrepreneurs – Early-stage ventures aiming to develop and showcase their ideas for IES.

Incubated Startups/Innovators – Individuals or teams from incubation programs looking to scale their tech solutions.

Colleges/University Students – Tech enthusiasts developing future technologies to build impactful careers.



Why to Participate

- ✔ **Exciting Rewards** – Chance to win cash, prizes and trophies for top innovations.
- ✔ **Corporate Mentorship** – Winners will receive mentorship from industry leaders, as a corporate legends.
- ✔ **Startup & Funding Support** – Unique opportunities for marketing, incubation, and funding.
- ✔ **Media Coverage** – Get featured across North-East region platforms.
- ✔ **Networking Opportunities** – Connect with industry experts, mentors, and like-minded innovators.
- ✔ **SKILL Development** – Gain hands-on experience in IoT, AI, ML, and emerging technologies.
- ✔ **Certificates for All** – Every participant will receive an official certificate.
- ✔ **Community Impact** – Build real-world solutions that empower women, youth, and BPs.
- ✔ **Make a Difference** – Contribute to solving real challenges and driving innovation in the North-East region.



Terms & Conditions

01

Team Eligibility

The team lead or main member must be a resident of one of the 8 North Eastern states (NEC). If not, they must provide proof of residence, study, or significant work in NE.

02

Registration & Selection

Submitting an entry does not guarantee selection; all entries will be screened by experts, and only shortlisted teams will be invited.

All information provided in the registration form must be accurate and true. Any false information will lead to disqualification.

03**Team Composition**

A team can have a maximum of 3 members. Participants can also join individually or in pairs.

04**Innovation & Originality**

The submitted idea must be original. Copied or plagiarised business ideas will be disqualified.

Preference will be given to solutions that address local challenges in the North East region.

05**Presentation & Prototype**

Every participant must bring a PPT presentation explaining their idea.

Teams with a working prototype will be given priority in selection.

06**Participation Rules**

The sequence of presentations will be determined by the organising committee.

Participants can be eliminated at any stage of the event if they fail to comply with rules or do not meet the required standards.

07**Winner Commitment**

Winners must set up a regional camp at one of our ISD sites to further develop their solution.

08**Travel & Accommodation**

Participants must bear their own travel expenses to the event.

However, ₹5,000 for inter-city/inter-state expenses will be paid to every validated team.

09**Cash Prize & Taxation**

Winners will receive cash prizes and trophies as per event guidelines.

Taxes will be deducted from the cash prize as per government norms.

If there are multiple winners, the prize money will be split equally.

10**Event Modifications & Liability**

The venue, time, or date of the event may be changed by the organising committee if necessary.

The organising committee is not responsible for any losses due to changes in venue, time, or date.

11**Judging & Public Showcase**

The judges' decisions will be final and binding.

Your solution will be presented publicly at the event.

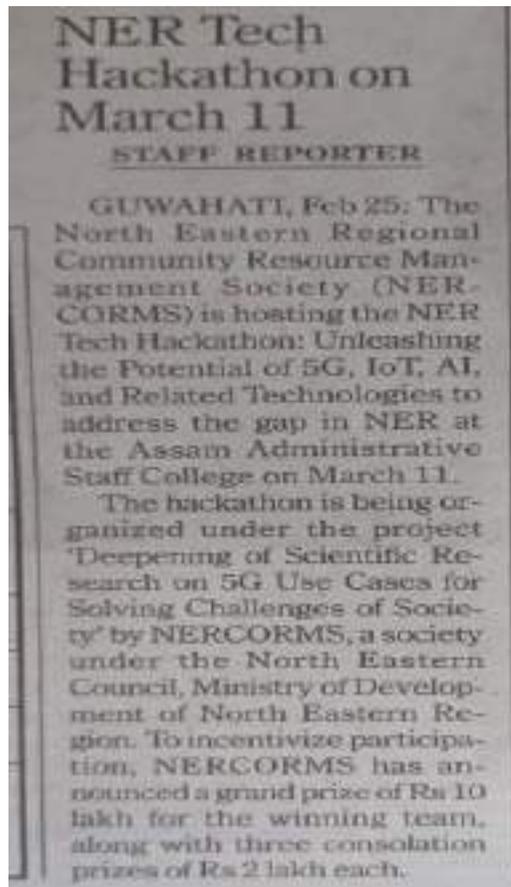
By registering, you agree to all these terms & conditions.

Pre – Event Media Coverage

Print Publications

Assam

Newspaper: Assam Tribune Date of Publication: 25th February 2025



Arunachal Pradesh

Newspaper: Northeast Times

Date of Publication: 25th February 2025



Meghalaya

Newspaper: Meghalaya Guardian Date of Publication: 25th February 2025



NERCORMS to host NER Tech Hackathon 2025 to drive innovation in NE

Guwahati: The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities, women, youth and self-help groups. The hackathon is being organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by the North Eastern Region Com-

munity Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India. The hackathon provides a platform for early-stage startups, incubated innovators, and college/university students to develop and showcase scalable technology solutions and ideas tailored for the region. By bringing together bright minds from various sectors, the event seeks to drive technological advancements that contribute to sustainable development and economic growth in the Northeast. To incentivize participation and recognize groundbreaking ideas, NERCORMS has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each.

Newspaper: Meghalayan Express

Date of Publication: 25th February 2025

NERCORMS to host hackathon

Dissehat, Feb 25

The North Eastern Regional Community Resource Management Society (NERCORMS) will be hosting a tech hackathon on March 11 at the Assam Administrative Staff College, Gauhati.

The NER Tech Hackathon: Unleashing the Potential of AI, ML, AR, and Related Technologies to address the Gap in NER aims to foster digital innovation by leveraging 36 technologies to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry with a strong emphasis on reaching remote communities, women, youth and self-help groups.

The hackathon is being organized under the project "Deepening of Scientific Research on 36 Use Cases for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region.

The hackathon provides a platform for early-stage startups, incubated innovations, and college/university students to develop and showcase solvable technology solutions and ideas tailored for the region. By bringing together bright minds from various sectors, the event seeks to drive technological advancements that contribute to sustainable development and economic growth in the North East.

To incentivize participation and recognize groundbreaking ideas, NERCORMS has announced a grand prize of Rs 10 lakh for the winning team, along with three consolation prizes of Rs 2 lakh each. Registration for the hackathon is open until March 10. Additionally, Rs 2000 will be provided to all selected teams to meet transportation expenses.

Newspaper: Dainik Janambhumi

Date of Publication: 25th February 2025

উত্তৰ-পূব ভাৰতত উদ্ভাৱন ত্বৰান্বিত কৰাৰ লক্ষ্য

এন ই আৰ টেক হেকাথনৰ আয়োজন

মহানগৰ ব্যাৰ', ২৭ ফেব্ৰুৱাৰী : উত্তৰ-পূৰ্বাঞ্চলৰ ডিজিটেল অগ্ৰগতি আৰু অধিক ত্বৰান্বিত কৰাৰ লক্ষ্যৰে নৰ্থ ইষ্টাৰ্ন বিজিঅ'নেল কমিউনিটি বিছ'চ মেনেজমেণ্ট এছ'চিয়েশ্যনে (নেৰক'মছ) 'এন ই আৰ টেক হেকাথন-২০২৫' নামৰ এটা বিশেষ প্ৰযুক্তিভিত্তিক প্ৰতিযোগিতাৰ আয়োজন কৰিছে। অহা ১১ মাৰ্চত গুৱাহাটীৰ খানাপাৰাৰ অসম প্ৰশাসনিক মহাবিদ্যালয়ত অনুষ্ঠিত হ'বলগীয়া এই অনুষ্ঠানটোৰ মূল উদ্দেশ্য হৈছে e-জি প্ৰযুক্তি, আই অ'টি, এ আই আদিৰ সহায়ত স্বাস্থ্য সেৱা, কৃষি, পশুপালন আৰু তেল আৰু গেছ

উদ্যোগৰ ক্ষেত্ৰত থকা প্ৰধান সমস্যাসমূহ সমাধান কৰা। বিশেষকৈ এই প্ৰতিযোগিতাত পিছপৰা সমাজ, মহিলা, যুৱক-যুৱতী আৰু আত্মসহায়ক গোটসমূহৰ সবলীকৰণত বিশেষ গুৰুত্ব দিয়া হ'ব। উল্লেখযোগ্য যে ভাৰত চৰকাৰৰ উত্তৰ-পূৰ্বাঞ্চল উন্নয়ন মন্ত্ৰ্যালয়ৰ উত্তৰ-পূৰ্বাঞ্চল পৰিষদৰ অধীনস্থ 'সমাজৰ প্ৰত্যাহ্বান সমাধানৰ বাবে e-জিৰ ব্যৱহাৰৰ ওপৰত বৈজ্ঞানিক গৱেষণা গভীৰ কৰা' প্ৰকল্পৰ অধীনত আৰু নৰ্থ ইষ্টাৰ্ন বিজিঅ'নেল কমিউনিটি বিছ'চ মেনেজমেণ্ট এছ'চিয়েশ্যনৰ (নেৰক'মছ) উদ্যোগত এই হেকাথনখন

অনুষ্ঠিত কৰা হৈছে। ইফালে, এই হেকাথনত অংশগ্ৰহণকাৰী দলসমূহক উৎসাহিত কৰিবলৈ নেৰক'মছে বিজয়ী দলৰ বাবে ১০ লাখ টকাৰ গ্ৰেণ্ড প্ৰাইজ ঘোষণা কৰিছে। ইয়াৰ উপৰি তিনিটা দলক সাঞ্চনা বঁটা হিচাপে ২ লাখকৈ টকা প্ৰদান কৰা হ'ব। অন্যহাতে, নিৰ্বাচিত প্ৰতিটো দলক আনুষংগিক খৰচৰ বাবে ৫ হাজাৰ টকাও প্ৰদান কৰা হ'ব। এন ই আৰ টেক হেকাথনত অংশগ্ৰহণৰ বাবে পঞ্জীয়ন ১ মাৰ্চলৈকে মুকলি থাকিব। আগ্ৰহী প্ৰতিযোগীসকলে www.nec5g.org ৱেবছাইটত গৈ অধিক তথ্য আহৰণ আৰু আবেদন কৰিব পাৰিব।

Newspaper: Meghalaya Times

Date of Publication: 26th February 2025

NERCORMS to host NER Tech Hackathon 2025

Staff Reporter

Guwahati, Feb 26: The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati.

This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities, women,

youth and self-help groups.

The hackathon is being organized under the project “Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society” by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

The hackathon provides a platform for early-stage startups, incubated innovators, and college/university students to develop and showcase scalable technology solutions and ideas tailored for the region. By bringing together bright minds from

various sectors, the event seeks to drive technological advancements that contribute to sustainable development and economic growth in the Northeast.

To incentivize participation and recognize groundbreaking ideas, NERCORMS has announced a grand prize of Rs 10 lakhs for the winning team, along with three consolation prizes of Rs 2 lakhs each.

Registration for the NER Tech Hackathon 2025 is open until March 1 2025. Additionally, Rs 5000 will be provided to all selected teams to meet miscellaneous expenses.

Interested participants can learn more and apply at www.nec5g.org.

Newspaper: Dainik Asom

Date of Publication: 26th Feb 2025

উত্তৰ-পূব ভাৰতত উদ্ভাৱন ত্ৰয়ান্তিত কৰাৰ লক্ষ্য
নেৰক ম'ছব এন ই আৰ
টেক হেকাথনৰ আয়োজন

গুৱাহাটী, ২৬ ফেব্ৰুৱাৰী: উত্তৰ-পূব অঞ্চলৰ বিভিন্ন স্ৰষ্টাৰ আৰু ছফ্টৱেৰ উদ্ভাৱকৰ
লক্ষ্যত 'নেৰ ইন্টাৰ্ন' ডিজিটেল অভিযন্তাৰ সফটৱেৰ উদ্ভাৱন (নেৰক ম'ছব) আৰু
(নেৰক ম'ছব) আৰু আয়োজন কৰিছে এক বিশেষ গণযোগাযোগ প্ৰতিযোগিতা। এন ই আৰ
টেক হেকাথন ২০২৫। অৱ ১১ মাহত গুৱাহাটীৰ অৱস্থায় এডমিনিষ্ট্ৰেটিভ ইন্টাৰ-কলেজ
অধীত হ'ল। এই অনুষ্ঠানটোৰ মূল উদ্দেশ্য হৈছে হাৰ্ডৱেৰ, সফটৱেৰ, এন আই
আৰৰ সহায়ত স্বাস্থ্য সেৱা, কৃষি, শস্যপ্ৰসংগ, ক্ৰীড়া আৰু বেছে উল্লেখ্য প্ৰথম সন্যাসমূহ
সম্বন্ধত কৰা। বিশেষকৈ এই অভিযন্তাৰ নিৰ্বাচন সমাজ, মহিলা, বৃহৎ-সুপাৰী আৰু
স্বাধীনতাৰ প্ৰচেষ্টাৰ সময়কালৰ ওপৰত বিশেষ গুৰুত্ব দিয়া হ'ব। গুৱাহাটী চৰকাৰ
উত্তৰ-পূব অঞ্চল উন্নয়ন মন্ত্ৰালয়ৰ উত্তৰ-পূব অঞ্চল পৰিষদৰ অধীনত 'সমাজৰ প্ৰগতি
সম্বন্ধত কৰা এ টিভি ব্যৱহাৰৰ ওপৰত বৈজ্ঞানিক প্ৰতিযোগিতা কৰা' প্ৰকল্পৰ অধীনত
আৰু 'নেৰ ইন্টাৰ্ন' ডিজিটেল অভিযন্তাৰ সফটৱেৰ উদ্ভাৱন (নেৰক ম'ছব)।



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Regional level event to foster innovation and
create positive change in the North East.

উল্লেখ্য এই হেকাথন অনুষ্ঠিত কৰা হৈছে। এই হেকাথনত অংশগ্ৰহণকাৰী সকলোকে
উল্লেখ্য অভিযন্তা হেকাথনত গুৱাহাটীৰ অৱস্থায় ১০ লাখ টকাৰ হেৰুৱাই লৈ
কৰিছে। গুৱাহাটীৰ বিভিন্ন স্ৰষ্টাৰ আৰু ছফ্টৱেৰ উদ্ভাৱকৰ লক্ষ্যত
সমাজৰ প্ৰগতি সম্বন্ধত কৰা এ টিভি ব্যৱহাৰৰ ওপৰত বৈজ্ঞানিক
প্ৰতিযোগিতা কৰা। এন আই আৰ টেক হেকাথন ২০২৫ত অংশগ্ৰহণ
কাৰী সকলোকে উল্লেখ্য প্ৰথম সন্যাসমূহ সম্বন্ধত কৰা।
গুৱাহাটীৰ বিভিন্ন স্ৰষ্টাৰ আৰু ছফ্টৱেৰ উদ্ভাৱকৰ লক্ষ্যত
সমাজৰ প্ৰগতি সম্বন্ধত কৰা এ টিভি ব্যৱহাৰৰ ওপৰত
বৈজ্ঞানিক প্ৰতিযোগিতা কৰা। এন আই আৰ টেক
হেকাথন ২০২৫ত অংশগ্ৰহণকাৰী সকলোকে উল্লেখ্য
প্ৰথম সন্যাসমূহ সম্বন্ধত কৰা।





উত্তৰ-পূব ভাৰতত উদ্ভাৱন ত্বৰান্বিত কৰাৰ লক্ষ্যৰে এনইআৰ টেক হেকাথন ২০২৫ আয়োজন নেৰক ম'ছৰ

গুৱাহাটী, ২৬ ফেব্ৰুৱাৰীঃ উত্তৰ-পূৰ্বাঞ্চলৰ ডিজিটেল অগ্ৰগতি আৰু অধিক ত্বৰান্বিত কৰাৰ লক্ষ্যৰে নৰ্থ ইষ্টাৰ্ন ৰিজিঅ'নেল কমিউনিটি ৰিচ'ৰ্ছ মেনেজমেণ্ট এছ'চিয়েশ্যনে আয়োজন কৰিছে এক বিশেষ প্ৰযুক্তিভিত্তিক প্ৰতিযোগিতা এন ই আৰ টেক হেকাথন ২০২৫। অক্ট ১১ মাৰ্চত গুৱাহাটীৰ আছাম এডমিনিষ্ট্ৰেটিভ ষ্টাফ কলেজত অনুষ্ঠিত হ'বলগীয়া এই অনন্য অনুষ্ঠানটোৰ মূল উদ্দেশ্য হৈছে ৫জি প্ৰযুক্তি, আই অ'টি, এ আই আদিৰ সহায়ত স্বাস্থ্য সেৱা, কৃষি, পশুপালন আৰু তেল আৰু গেছ উদ্যোগৰ

ক্ষেত্ৰত থকা প্ৰধান সমস্যাসমূহ সমাধান কৰা। বিশেষকৈ এই প্ৰতিযোগিতাত পিছপৰা সমাজ, মহিলা, যুৱক-যুৱতী, আৰু আত্মসহায়ক গোটসমূহৰ সকলীকৰণৰ ওপৰত বিশেষ গুৰুত্ব দিয়া হ'ব। উল্লেখ্য যে, ভাৰত চৰকাৰৰ উত্তৰ পূৰ্বাঞ্চল উন্নয়ন মন্ত্ৰালয়ৰ উত্তৰ পূৰ্বাঞ্চল পৰিষদৰ অধীনস্থ 'সমাজৰ প্ৰত্যাহ্বান সমাধানৰ বাবে ৫ জিৰ ব্যৱহাৰৰ ওপৰত বৈজ্ঞানিক গৱেষণা গভীৰ কৰা' প্ৰকল্পৰ অধীনত আৰু নৰ্থ ইষ্টাৰ্ন ৰিজিঅ'নেল কমিউনিটি ৰিচ'ৰ্ছ মেনেজমেণ্ট এছ'চিয়েশ্যনৰ উদ্যোগত এই হেকাথনখনি অনুষ্ঠিত কৰা হৈছে। ইফালে, এই হেকাথনত অংশগ্ৰহণকাৰী দলসমূহক উৎসাহিত কৰিবলৈ নেৰক ম'ছে বিজয়ী দলৰ বাবে ১০ লাখ টকাৰ গ্ৰেণ্ড প্ৰাইজ যোগা কৰিছে। ইয়াৰ উপৰিও তিনিটা দলক সাক্ষৰ বঁটা হিচাপে প্ৰদান কৰা হ'ব ২ লাখকৈ টকা। অন্যহাতে, নিৰ্বাচিত প্ৰতিটো দলক আনুষংগিক খৰচৰ বাবে ৫ হাজাৰ টকাও প্ৰদান কৰা হ'ব। এন ই আৰ টেক হেকাথন ২০২৫ত অংশগ্ৰহণৰ বাবে পঞ্জীয়ন ২০২৫ চনৰ ৮ মাৰ্চলৈকে মুকলি থাকিব। আগ্ৰহী প্ৰতিযোগীসকলে www.nec5g.org ৱেবছাইটত গৈ অধিক তথ্য আহ্বান আৰু আবেদন কৰিব পাৰিব।

Nagaland

Newspaper: Dainik Purvoday

पूर्वोत्तर में नवाचार को गति देने के लिए एनईआर टेक हैकार्थॉन 11 को

गुवाहाटी, 26 फरवरी (पू.सं.)। पूर्वोत्तर की डिजिटल प्रगति को गति देने के लिए नार्थ ईस्ट रीजनल कम्युनिटी रिसर्च मैनेजमेंट एसोसिएशन (नेरकॉम्स) के तत्वावधान में आगामी 11 मार्च को एनईआर टेक हैकार्थॉन 2025 का आयोजन किया जाएगा।

महानगर के असम प्रशासनिक स्टाफ कॉलेज में आयोजित होने वाले इस अनूठे कार्यक्रम का मुख्य उद्देश्य 5जी तकनीक, आईओटी, एआई आदि की मदद से स्वास्थ्य सेवा, कृषि, पशुपालन और तेल एवं गैस उद्योगों में प्रमुख चुनौतियों का समाधान करना है। यह प्रतियोगिता पिछड़े समुदायों, महिलाओं, युवाओं और स्वयं सहायता समूहों के सशक्तिकरण पर केंद्रित होगी। इस बीच, नेरकॉम्स ने हैकार्थॉन में भाग लेने वाली टीमों को प्रोत्साहित करने के लिए विजेता टीम के लिए 10 लाख रुपए के पुरस्कार की घोषणा की है।

Assam

Newspaper: Pratah Khabar

नेरकर्मस आयोजित करेगा एनईआर टेक हैकार्थॉन-2025

गुवाहाटी, 27 फरवरी (एजे)। गुवाहाटी स्थित असम एडमिनिस्ट्रेटिव स्टाफ कॉलेज में 11 मार्च को नॉर्थ ईस्टर्न रीजनल कम्युनिटी रिमोट मैनेजमेंट प्रोग्राम (नेरकर्मस) एन ई आर टेक हैकार्थॉन: 5जी, आई ओ टी, ए आई और अन्य अत्याधुनिक तकनीकों की शक्ति का उपयोग कर पूर्वोत्तर के विकास में तेजी लाने के उद्देश्य से एक बड़ा आयोजन करने जा रही है। इस अनोखे हैकार्थॉन का मकसद डिजिटल इनोवेशन को बढ़ावा देना है, खासतौर पर 5जी तकनीक की मदद से स्वास्थ्य, कृषि, पशुपालन और अविल य गैस इंडस्ट्री में आई ओ टी के इस्तेमाल से जुड़ी चुनौतियों का समाधान खोजना। खास बात यह है कि यह कार्यक्रम ग्रामीण इलाकों, महिलाओं, युवाओं और स्वयं सहायता समूहों को भी तकनीकी ज्ञान से जोड़ने पर केंद्रित होगा। यह हैकार्थॉन समाज की चुनौतियों को हल करने के लिए 5 उपयोग मामलों पर वैज्ञानिक अनुसंधान को गहरा बनाना प्रोजेक्ट के तहत आयोजित किया जा रहा है। इस प्रोजेक्ट को नॉर्थ ईस्टर्न कॉन्सिल, भारत सरकार के उत्तर पूर्वी क्षेत्र विकास मंत्रालय (डोनर) के अंतर्गत काम कर रही नेरकर्मस द्वारा संचालित किया जा रहा है। प्रतिभागियों को प्रोत्साहित करने और इनोवेटिव आइडियाज को पहचान देने के लिए विजेता टीम को 10 लाख रुपये का भव्य पुरस्कार दिया जाएगा, जबकि तीन अन्य टीमों को 2-2 लाख रुपये की सांत्वना पुरस्कार राशि मिलेगी। इसके अलावा, चयनित टीमों को अपने खर्चों को पूरा करने के लिए 5000 रुपये की सहायता राशि भी दी जाएगी। इच्छुक प्रतिभागी 1 मार्च 2025 तक इस हैकार्थॉन के लिए पंजीकरण कर सकते हैं।

Manipur

Newspaper: Imphal Free Press

NERCORMS to Host NER Tech Hackathon 2025 to Drive Innovation in the North Eastern Region

IMPHAL | Feb 27

The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry — with a strong emphasis on reaching remote communities, women, youth and self-help groups.

The hackathon is being organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

The hackathon provides a platform for early-stage startups, incubated innovators, and college/university students to develop and showcase scalable technology solutions and ideas tailored for

the region. By bringing together bright minds from various sectors, the event seeks to drive technological advancements that contribute to sustainable development and economic growth in

the Northeast. To incentivize participation and recognize groundbreaking ideas, NERCORMS has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation

prizes of INR 2 lakhs each. Registration for the NER Tech Hackathon 2025 is open until March 1st, 2025. Additionally, INR 5000 will be provided to all selected teams to meet miscellaneous expenses.

Sikkim

Newspaper: Himalayan Mirror

NER Tech Hackathon 2025 aims to foster digital innovation by leveraging 5G technology

Guwahati: The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture,

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Mizoram

Newspaper: Highlander

NER Tech Hackathon 2025 aims to foster digital innovation by leveraging 5G technology

Aizawl: The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities, women, youth and self-help groups. The hackathon is being organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India. To incentivize participation and recognize groundbreaking ideas, NERCORMS has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. Registration for the NER Tech Hackathon 2025 is open until March 1st, 2025. Additionally, INR 5000 will be provided to all selected teams to meet miscellaneous expenses.

Tripura

Newspaper: Tripura Times

NER Tech Hackathon 2025 aims to foster digital innovation by leveraging 5G technology

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Nagaland

Newspaper: Mokokchung Times

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Arunachal Pradesh

Newspaper: Arunachal Age

NER Tech Hackathon 2025 aims to foster digital innovation by leveraging 5G technology

ITANAGAR, FEB 28:

The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. This

pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry with a strong emphasis on reaching remote communities, women, youth and self-help groups.

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the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India. To incentivize participation

and recognize groundbreaking ideas, NERCORMS has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. Registration for the NER Tech Hackathon 2025 is open until March 1st, 2025. Additionally, INR 5000 will be provided to all selected teams to meet miscellaneous expenses.

Meghalaya

Newspaper: U Nongsai Hima

Ka NERCORMS kan pdiang sngewbha Ta ka NER Tech Hackathon 2025 ha ka thail NE

Shillong, Lber:

Ka North Eastern Regional Community Resource Management Society (NERCORMS) ka la pndokhri ban pdiang sngewbha Ta ka NER Hackathon: Ban pyn-lailual ta ka bor breikom jong ka 5G, IoT, AI bad kowel pat ki jai jingnat ka jak myna ban pynnet bad ban pyntha ta ki jingnat ha ki thail State-of-Mind ha ka 11 taik Lber, 2025, ha Assam Administrative Staff College, Guwahati.

Ka jingthra jong kano ka jingalang kaba sngokong ch kum kane ha kine ki thait ka long ban pynnetar ta ki jingthra bathymal bad pyei ta ki da kaba pynnokam ta ka jingnat pythel jakuk myna syagha ka 5G ban pynnet ta ki jingth ba ka liang ka koi ka khial, ka rep ka riang, ka jingri ta ki mnd kiba ai jingmyet sha ngi bad ka jir pynnokam ta ka IoT (ki kam kiba ngi pynnokam da ka Internet) ha ka liang ki Kakhana hrih jong ka Umpalang bad Gas bad ruh bor pynhang ruh ban pol sha ki jaku sheng hui ki shong ki thaw ha kiba sha kyndong kyndong, ki kyndet, ki samla bad ta ki kyndet kito rep dalade tade.

La ka Hackathon la pynhang pynnet hapok ka projek "Ban ngan jyliew ha ki jingwad hrih jong ka jingnat sngat hrih u 5G da kaba pynnokam da ki jingth jong ki breiw hi bor wad ta ki lad jingpyelir na kine ki jingth ha ka 'mlang ka nahlang" da ka North Eastern Regional Community Resource Management Society (NERCORMS) ka kyndun hapok jong ka thail State-of-Mind, Government jong ka Ri India.

Ban pynnetar ta ki uogsham byeta bad ban thuk ta ki jingnat bad jingpyelir bathymal bad kaba khum phylla bad kore, ka NERCORMS ka la pynat ruh ban dot ka khuanam kaba shonglor hrih INR 10 lak tyngka ta kano ma kano ka kyndun kaba jog, bad ruh ta ki lai tyll ki khuanam hui pynneten ta kibe ki kyndun kiba ta hrih byeta kaba shonglor hrih INR 2 lak tyngka ta kore pa kore na kine ki lai tyll ki kyndun. Ban pynhang kyndong na ka byeta kane ka NER Tech Hackathon 2025 la pib badah ka 1 taik Lber, 2025. Naire wane, sa kumba INR 5000 tyngka ya ai ta boroh kito ki kyndun kiba ta shah jed sha kane ka bymping ha kuno ki lah ban pynnokam ha ki jingpyelir ki jing ki ha kaba hrih byeta ha kane ka jingtalayaduh hrih.

Kano kine kiba dot ka jingwad ban taikim byeta ki lah ban sngewbha kham bha shah shah bad ruh ban pynhang kyndong da kiba wad kungit www.nec5g.org.

DIGITAL PUBLICATIONS

Regional Online

Digital Publication: NE News

<https://nenews.in/tech/guwahati-to-host-ner-tech-hackathon-2025/20838/#:~:text=Guwahati%3A%20The%20North%20Eastern%20Regional,Administrative%20Staff%20College%20in%20Guwahati>



Digital Publication: Borok Times

<https://boroktimes.com/ner-tech-hackathon-2025-guwahati-gears-up-for-a-groundbreaking-tech-innovation-event/>

The screenshot shows a web browser with a single tab titled "NER Tech Hackathon 2025: Guwahati". The address bar displays the URL: "boroktimes.com/ner-tech-hackathon-2025-guwahati-gears-up-for-a-groundbreaking-tech-innovation-event/". The Borok Times logo is visible in the top left corner, and a navigation menu with links for HOME, TRIPURA NEWS, NEWS, ENTERTAINMENT, STORES, and BR is in the top right. The main article title is "NER Tech Hackathon 2025: Guwahati Gears Up for a Groundbreaking Tech Innovation Event", written by John Kaptan on February 25, 2025. Below the title are social media sharing icons for Facebook, X, Print, and Email. A featured image for the "NER TECH HACKATHON 2025" is shown, with the text: "Empowering women, youth, and SHGs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East." The article text begins with: "Guwahati is set to host the NER Tech Hackathon 2025 on March 11 at the Assam Administrative Staff College. Organized by the North Eastern Regional Community Resource Management Society (NERCORMS), the event aims to harness the potential of 5G, IoT, AI, and related technologies to address critical challenges in the North Eastern Region (NER). With the theme 'Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER,' the hackathon will bring together early-stage startups, tech innovators, and students to develop scalable and impactful solutions." A sub-section titled "NER Tech Hackathon 2025: A Platform for Innovation" follows, stating: "The NER Tech Hackathon 2025 will serve as a catalyst for technological advancements in sectors such as:" To the right of the article is an "Ads" section with a placeholder for a post from @boroktimes, featuring a large 'X' and the text "Nothing to see here - yet". A "View on X" button is located at the bottom of the ad placeholder.

Regional Online

Digital Publication: Hub Network

<https://hubnetwork.in/nercorms-to-host-ner-tech-hackathon-2025-to-drive-innovation/>



Digital Publication: The Meghalayan Express

<https://themeghalayanexpress.com/nercorms-to-host-ner-tech-hackathon-2025-to-drive-innovation/>

The screenshot shows the homepage of the Meghalayan Express website. At the top, there is a navigation bar with the site's name and various menu options. The main content area features a large banner for the 'NERCORMS Tech Hackathon 2025'. The banner includes the text 'Empowering women, youth, and SHGs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East.' Below the banner, there are details about the event: 'Date: 10th March 2025', 'Venue: Assam Administrative Staff College, Guwahati', and 'Registration Deadline: 07th March 2025'. The 'Focus Areas' section lists Healthcare, Agriculture, Animal Husbandry, and IoT for Oil & Gas. A 'Winners' section highlights a Grand Prize of INR 10 Lakhs and three Consolation Prizes of INR 2 Lakhs each. The right sidebar contains a 'SAVE SMART' advertisement and a 'Hot this week' section with various news snippets.

Regional Online

Digital Publication: The Business Daily

<https://thebusinessdaily.in/nercorms-to-host-ner-tech-hackathon-2025-to-drive-innovation-in-the-north-eastern-region/>

The screenshot shows a web browser displaying a news article on 'The Business Daily' website. The page title is 'NERCORMS to Host NER Tech Hackathon 2025 to Drive Innovation in the North Eastern Region'. The article is dated 11th March 2025 and is from Assam Administrative Staff College, Guwahati. The focus areas are listed as Healthcare, Agriculture, Animal Husbandry, and IoT for Oil & Gas. The article text mentions that NERCORMS is set to host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER on March 11, 2025, at the Assam Administrative Staff College, Guwahati. The article also mentions that the hackathon aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas sector. The page includes a navigation bar with 'HOME', 'ABOUT THE BUSINESS DAILY', 'OFFICIAL INFORMATION', 'PRESS RELEASE', and 'CORPORATE RELEASES'. There is also a 'Subscribe' button and social media sharing icons for Facebook, Twitter, LinkedIn, and YouTube. A 'Follow Us' section is visible at the bottom right.

Digital Publication: Sabina Now

<https://sabinanow.com/nercorms-to-host-ner-tech-hackathon-2025-to-drive-innovation-in-the-north-eastern-region/>



MARKETING

NERCORMS to Host NER Tech Hackathon 2025 to Drive Innovation in the North Eastern Region

Posted by SabinaNow24x7 – February 25, 2025



Guwahati, Assam – [25/02/2025] – The North Eastern Regional Community Resource Management Society (NERCORMS) is set to host the NER

Digital Publication: Urupang

<https://www.urupang.com/nercorms-kan-pdiang-sngewbha-ia-ka-ner-tech-hackathon2025-ban-pynshlur-ia-ki-jingpyni-kiba-phi-la-shem-bad-bathymmai-ha-ki-thain-shateilam-mihngi-ner/>



Digital Publication: NKTV

<https://www.nktv.in/ner-tech-hackathon-2025-to-drive-innovation-in-the-northeastern-region/>



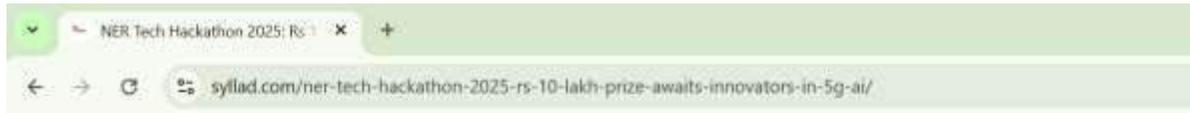
Digital Publication: The Sentinel Assam

<https://www.google.com/amp/s/www.sentinelassam.com/amp/story/cities/guwahaticity/guwahati-to-host-ner-tech-hackathon-2025-on-march-11>

The image is a screenshot of a news article on the website 'The Sentinel'. The browser's address bar shows the URL: [sentinelassam.com/cities/guwahati-city/guwahati-to-host-ner-tech-hackathon-2025-on-march-11](https://www.google.com/amp/s/www.sentinelassam.com/amp/story/cities/guwahaticity/guwahati-to-host-ner-tech-hackathon-2025-on-march-11). The website's header includes the 'ePaper' logo and the 'The Sentinel' logo with the tagline 'of this land, for its people'. A navigation menu contains links for Home, Live Blog, Breaking News, Top Headlines, Cities, NE News, and Sentinel Media. The article is categorized under 'Guwahati' and has the main headline 'Guwahati To Host NER Tech Hackathon 2025 On March 11'. A sub-headline reads: 'The event focuses on using modern technology to drive digital innovation and solve important regional challenges.' Below the text is a large green graphic for the 'NERCORMS NER TECH HACKATHON 2025'. The graphic includes the NERCORMS logo and the text: 'Empowering women, youth, and SHGs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East.' At the bottom left of the article, there is a vertical stack of social media sharing icons (WhatsApp, X, Facebook, LinkedIn, Email, Print) and the text 'Sentinel Digital Desk'.

Digital Publication: Syllad

<https://www.syllad.com/ner-tech-hackathon-2025-rs-10-lakh-prize-awaits-innovators-in-5g-ai/>



NER TECH HACKATHON 2025

Empowering women, youth, and SHGs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East.



Date
11th March 2025

Venue
Assam Administrative
Staff College, Guwahati

Registration Deadline
1st March 2025

Digital Publication: E-Pao

https://epao.net/epSubPageExtractor.asp?src=education.Education_Announcements.Edn_Ann_2025.NER_Tech_Hackathon_20250226

The screenshot shows a web browser displaying the E-Pao website. The page features a navigation bar with various links such as 'AIR Radio Live', 'Officials Directory', and 'Radio E-Pao'. Below the navigation, there is a search bar and a 'You Are Here' breadcrumb trail. The main content area is dominated by a large green and white banner for the 'NER TECH HACKATHON 2025'. The banner includes the following text: 'Empowering women, youth, and SHGs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East.' Below the banner, there is a table with three columns: 'Date' (11th March 2025), 'Venue' (Assam Administrative Staff College, Guwahati), and 'Registration Deadline' (1st March 2025). To the right of the main content, there is a sidebar titled 'LATEST IN E-PAO.NET' with a list of recent news items. The E-Pao logo is visible in the top left corner, and a 'Telephone Directory of Officials' banner is at the top right.

Digital Publication: Indigenous Herald

<https://indigenouherald.com/TripuraNews/nercorms-to-host-ner-tech-hackathon-2025-23185.html>

The screenshot shows a web browser displaying an article on the Indigenous Herald website. The browser's address bar shows the URL: indigenouherald.com/TripuraNews/nercorms-to-host-ner-tech-hackathon-2025-23185.html. The website header includes the logo 'Indigenouherald' with the tagline 'Face of Northeast India', the date 'Monday, March 03, 2025', and a navigation menu with links like HOME, ABOUT, TENDER/ED, JOBS, ARTICLES, BOOK REVIEW, OP-ED, NEWS, SOUTHASIA, NATIONAL, SPORTS, ENTERTAINMENT, CARTOONMENACE, and CONTACT. The article title is 'NERCORMS to host NER Tech Hackathon 2025', with a sub-headline 'Announced a grand prize of INR 10 lakhs for winning team'. The NERCORMS logo is featured, along with a 'News Alliance' tag. The main text describes the event as a regional initiative by NERCORMS to address the digital divide in the Northeast, focusing on 5G, IoT, and AI. It highlights a grand prize of INR 10 Lakhs and three consolation prizes of INR 2 Lakhs each. A QR code is provided for registration, with the text 'Register now and make a difference' and the website www.nec5g.org/. The article also mentions that the hackathon is part of a project to deepen scientific research on 5G use cases for solving societal challenges.

National Online

Digital Publication: India Today NE

<https://www.google.com/amp/s/www.indiatodayne.in/amp/assam/story/ner-techhackathon-2025-nercorms-to-host-innovation-challenge-on-5g-ai-iot-in-guwahati-1175659-2025-02-25>

The screenshot shows a mobile-optimized AMP page from India Today NE. The browser's address bar displays the URL: [www.indiatodayne.in/assam/story/ner-techhackathon-2025-nercorms-to-host-innovation-challenge-on-5g-ai-iot-in-guwahati-1175659-2025-02-25](https://www.google.com/amp/s/www.indiatodayne.in/amp/assam/story/ner-techhackathon-2025-nercorms-to-host-innovation-challenge-on-5g-ai-iot-in-guwahati-1175659-2025-02-25). The page features a red header with the 'INDIA TODAY NE' logo and a search bar. Below the header, a navigation menu lists categories: HOME, STATE, NATIONAL, REGIONAL, NATIONAL, OPINION, ENTERTAINMENT, SPORTS, LIFESTYLE, VIDEO, ENVIRONMENT. The main article is titled 'NER Tech Hackathon 2025: NERCORMS to host innovation challenge on 5G, AI & IoT in Guwahati'. A sub-headline reads: 'NERCORMS hosts a hackathon in Guwahati to explore 5G and AI solutions for regional challenges. Participants stand a chance to win a grand prize of Rs 10 lakh.' The article includes a large image of a hand reaching towards a glowing network of nodes. To the right, a 'Latest News' section lists three items: 'Supreme Court allows Ramnath Anathakrishnan to resume the Ramnath Show with morality clause', 'Tripura CM to inaugurate Rs 200 crore worth of projects in Itanagar', and 'Assam: Gauhati HC grants bail to USTK Charanbar Mahabubul Haque in alleged name mispractice case'. At the bottom, a social media share bar for 'India Today NE' is visible, dated Feb 25, 2025, with 5:59 PM IST. The article text begins: 'The North Eastern Regional Community Resource Management Society (NERCORMS) will host the NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER at the Assam Administrative Staff College, Guwahati, on March 11.'

Digital Publication: MSN News

<https://www.msn.com/en-in/money/news/ner-tech-hackathon-2025-nercorms-tohost-innovation-challenge-on-5g-ai-iot-in-guwahati/ar-AA1zKBMS>

The screenshot shows a web browser window with a single tab titled "NER Tech Hackathon 2025: NE...". The address bar displays the URL: "msn.com/en-in/money/news/ner-tech-hackathon-2025-nercorms-to-host-innovation-challenge-on-5g-ai-iot-in-guwahati/ar-AA1zKBMS". The page content includes a navigation sidebar on the left with icons for home, search, and other functions. The main header features the "India Today NE" logo and a "Follow" button, with "152.4K Followers" indicated. The article title is "NER Tech Hackathon 2025: NERCORMS to host innovation challenge on 5G, AI & IoT in Guwahati". Below the title, it says "Story by India Today NE • Sat • 1 min read". There are social media share buttons for WhatsApp, Telegram, Facebook, and Email. A large image of a hand reaching towards a network of glowing nodes is featured. Below the image, the text reads: "NER Tech Hackathon 2025: NERCORMS to host innovation challenge on 5G, AI & IoT in Guwahati." and "The North Eastern Regional Community Resource Management Society (NERCORMS) will host the 'NER Tech Hackathon: Unleashing the Potential of 5G, IoT, AI, and Related Technologies to Address the Gap in NER' at the". On the right side, there are two vertical advertisements: one for "Godrej Ever" and another for "Get to Add the M New Sp for Chrom" with an "Add now" button. Below the second ad is a small image of a laptop and the text "GMZY - Pre Budget Ma".

Digital Publication: ETV Bharat

<https://www.etvbharat.com/as/!state/ner-tech-hackathon-2025-to-organised-inguwahati-at-the-initiative-of-nercorms-assam-news-ass25022704441>

নেৰক'ৰ্মছৰ উদ্যোগত গুৱাহাটীত এন ই আৰ টেক হেকাথন ২০২৫ - NER TECH HACKATHON 2025

উত্তৰ-পূৰ্বাঞ্চলত উদ্ভাৱন ত্বৰান্বিত কৰাৰ উদ্দেশ্যে নৰ্ব ইষ্টাৰ্ণ মিডিয়াৰ্শ্বপেন কমিউনিটি বিহাৰ্ট যোগজনে-ৰ্ণ এছ-টিভিয়েশ্বনে আয়োজন কৰিছে এন ই আৰ টেক হেকাথন ২০২৫।

NER TECH HACKATHON 2025

Empowering women, youth, and SHOs to build 5G, IoT, and AI solutions for regional growth. Present your ideas to drive innovation and lasting positive change in the North East.

নেৰক'ৰ্মছৰ উদ্যোগত গুৱাহাটীত এন ই আৰ টেক হেকাথন ২০২৫ - ETV Bharat

By ETV Bharat Assam Team
Published: Feb 14, 2025, 0:18 PM IST

গুৱাহাটী: উত্তৰ-পূৰ্বাঞ্চলৰ উদ্ভাৱন ত্বৰান্বিত কৰাৰ উদ্দেশ্যে নৰ্ব ইষ্টাৰ্ণ মিডিয়াৰ্শ্বপেন কমিউনিটি বিহাৰ্ট যোগজনে-ৰ্ণ এছ-টিভিয়েশ্বনে আয়োজন কৰিছে এন ই আৰ টেক হেকাথন ২০২৫।

শেৰতীয়া

- Mar 3, 2025, 4:25 PM IST - Technology
ফুৰক ২০২৫: পৰম প্ৰেৰণা নিৰ্দেশনাৰ বাবে ইছৰমীয়া যুৱকক অভিযন্তা পঢ়ুৱাই দিয়া
- Mar 3, 2025, 2:20 PM IST - Assam
তুৰনীয়া নগৰ অহোমপ্ৰদেশ সৰ্বস্বৰ্ণ, কৰি গাৰ্ভি বিহাৰত পৰম নিৰ্দেশনাৰ বাবে প্ৰেৰণা
- Mar 3, 2025, 2:20 PM IST - Assam
পুৰীয়াৰ পুৰী পৰ্যটক কেন্দ্ৰত বিহাৰত পুৰীয়াৰ পৰম নিৰ্দেশনা
- Mar 3, 2025, 2:20 PM IST - Assam
পুৰীয়াৰ পৰম নিৰ্দেশনাৰ বাবে পুৰীয়াৰ পৰম নিৰ্দেশনা
- Mar 3, 2025, 2:20 PM IST - Assam
পুৰীয়াৰ পৰম নিৰ্দেশনাৰ বাবে পুৰীয়াৰ পৰম নিৰ্দেশনা

বিহাৰ

পুৰীয়াৰ পৰম নিৰ্দেশনাৰ বাবে পুৰীয়াৰ পৰম নিৰ্দেশনা

POST – EVENT MEDIA COVERAGE

PRINT PUBLICATIONS

THE HILLS TIME

PAGE: 03, 13 MARCH



NER Tech Hackathon concludes

By Bureau

GUWAHATI, March 12: The North Eastern Regional Community Resource Management Society (NERCORMS) concluded the NER Tech Hackathon 2025 on Wednesday.

The event saw participation from 57 teams represented.

The hackathon was organised under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

The event was inaugurated by the chief guest, Lorgeki Phungchoi, member, North Eastern Council (NEC), who emphasised on the role of 5G in development and economic growth in the North Eastern Region.

"The North East has immense potential for technological growth, and 5G is a key enabler. The NER Tech Hackathon 2025 provides a platform for innovators to leverage advanced technologies and build impactful solutions for the region's future," Phungchoi said.

Also present at the event were Mr Dimakhi Misra, manager, ICT, NERCORMS, Dr (Prof) Soumya Chakraborty, director, Nagaland Institute of Medical Sciences & Research (NIMS), Kokoma, Assisi Gupta, co-founder of Amantya Technologies, Raj Narula,

CEO, INCA Synergies among other guests and technology leaders.

"Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems. Our mission is to bridge the digital divide in the North East by attracting talent, supporting research, and developing solutions that improve lives and create lasting social impact," said Misra.

"At Amantya Technologies, we believe 5G is a game-changer for the North East. Through our 5G labs across all eight states, we are empowering innovators to build real-world solutions in agriculture, healthcare, smart cities, and beyond. The NER Tech Hackathon 2025 is a platform to push boundaries, drive socio-economic growth, and shape the future of connectivity in the region," said Assi Gupta, co-founder & CEO, Amantya Technologies.

Speaking on the occasion Dr Soumya Chakraborty reiterated, "This innovative initiative for Northeast India aims to identify brilliant ideas from individuals and teams. In Nagaland, resources and limited technical and 5G literacy pose significant challenges. However, the collaborative approach of Amantya and NERCORMS will inspire and empower innovators to develop solutions that address these issues."

Suribhear from Guwahati won the grand prize of ₹ 10 lakh in the Hackathon competition.

HIGHLANDER

PAGE: 03, 13 MARCH

HIGHLANDER

— PIONEER ENGLISH DAILY PUBLISHED FROM AJZAWA —

NERCORMS concludes the NER Tech Hackathon 2025

Azawi: The North Eastern Regional Community Resource Management Society (NERCORMS) has concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges, universities, and startups across North East India. The hackathon was organized by Ananta Technology under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest, Shri Laxmi Phangoh, Hon'ble Member, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the North Eastern Region. "The North East has immense potential for technological growth, and 5G is a key enabler," - Shri Laxmi Phangoh. Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems." Said Mr. Dilip Meher, Manager - ICT, NERCORMS. "At Ananta Technology, we believe 5G is a game-changer for the North East." - Amit Gupta, Co-Founder & CRO - Ananta Technology. After the competition, the winners of NER Tech Hackathon 2025 were announced: Grand Prize Winner (NR 10 Lakhs) is Indirect, Runners up Prize Winners (NR 5 Lakhs each) are AgriSuns, Nitaa Devices, Nubanc.

ASSAM POST

PAGE: 09, 13 MARCH

Edmons 13th Mar

The Assam Post

NER Tech Hackathon 2025: 57 teams compete to drive 5G innovation in NE

Gamohari: The North Eastern Regional Computer Resource Management Society (NERCORMS) concluded the NER



Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges and startups across North East India. The hackathon was organized under the project "Democratizing 5G Network Research for 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest, Shri Laxmi Prasad, Executive Member, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the North Eastern Region. "The North Eastern Region has immense potential for technological growth, and 5G is a key enabler. The NER Tech Hackathon 2025 provides a platform for innovation, exchange of ideas,

techniques and build impactful solutions for the region's future." Shri Laxmi Prasad, also present at the event, were Mr. Donald Marley, Manager - ICT, NERCORMS, Dr. (Prof) Sujay Chakrabarty, Director, National Institute of Medical Sciences & Research (NIMS), Kolkata, Mr. Aniruddha, Co-founder of Ananya Technologies, Dr. Raj Narain, CEO, PDS Systems among other guests and technology leaders. "Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems. Our mission is to bridge the digital divide in the North East by nurturing talent, supporting research, and developing solutions that improve lives and create lasting social impact." said Mr. Donald Marley, Manager - ICT, NERCORMS. "At Ananya Technologies, we believe 5G is a game-changer for the North East. Through our 5G labs across a 5 states, we are empowering innovators to build real-world solutions in agriculture, healthcare, smart cities, and beyond. The NER Tech Hackathon 2025 is a platform to push boundaries, drive socio-economic growth, and shape the future of connectivity in the region."

MEGHALAYAN EXPRESS

PAGE: 03, 13 MARCH



NER Tech Hackathon 2025: Team IndiMeat wins grand prize

Shillong, Mar 12

Team IndiMeat (Cassibat) has emerged the winner in the NER Tech Hackathon 2025 on Tuesday, taking home the grand prize of ₹10 lakh.

Santa Agbore (Gowahati), Nikita Devika (Imphal) and Narmada (Gowahati) secured the runners-up trophy with a prize of ₹2 lakh each.

Organised by the North Eastern Regional Community Resource Management Society (NERCORMS), the hackathon saw participation from 37 teams representing colleges, universities and startups

across the North East.

The selected teams showcased problem-solving skills in their projects, demonstrating potential real-world applications, said the press release.

The event was inaugurated by chief guest, Iqbal Phango, North Eastern Council (NEC) member who emphasised the role of IT in development and economic growth in the north-eastern region.

"The North East has immense potential for technological growth, and IT is a key enabler. The NER Tech Hackathon 2025 provides a platform for innovators to leverage advanced technologies and build impactful

solutions for the region's future," Phango said.

Also present at the event were Donald Masior, Manager/ICT, NERCORMS and Anil Gupta, Golsworthy & CEO of Ananya Technologies among other guests and technology leaders.

"Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems. Our mission is to bridge the digital divide in the NE by nurturing talent, supporting research, and developing solutions that improve lives and create lasting social impact," said Masior.

NER Tech Hackathon 2025 showcases 5G innovations

Empowers Northeast innovators

Yash Singh
Gowahati, Assam

The NER Tech Hackathon 2025 successfully brought together 37 teams from colleges and startups across Northeast India to develop innovative 5G-based solutions. Organized by the North Eastern Council

Community, Business, Management, Society (NERCORMS) in collaboration with Amartya Technologies, the event aimed to drive research and real-world applications of 5G technology. The initiative was supported by the North Eastern Council

DRG under the Ministry of Development of North Eastern Region (NER), Government of India. Participants captured 5G device, solutions, to address, healthcare, and more. The event was a success by all.



CONTRIBUTE TO MEDIA

NER Tech Hackathon 2025

from Gowahati, which secured the Grand Prize of Rs. 10 lakh. Nivasa Devices from Imphal, Nutresonic, and AgriSure from Gowahati were named runners-up, each winning 7.2 lakh. The event was inaugurated by NEC Member Sri Lougi Phangcho, who underscored the transformative potential of 5G in the Northeast. "This hackathon serves as a catalyst for leveraging 5G technology to bridge the digital divide and accelerate regional progress," he stated. Industry leaders and academicians at the event included Donald Mawlot (NERCORMS), Dr. Soumya Chakraborty (NIMS, Kohima), Amit Gupta (Amartya Technologies), and Raj Narula (INCA Syringes CEO). They emphasized the importance of local research and talent development to harness 5G's potential for economic and technological advancement. Amartya Technologies Co-founder Amit Gupta highlighted the role of 5G in addressing regional challenges, stating, "Our 5G labs across the Northeast are empowering innovators to create impactful solutions in agriculture, healthcare, and beyond." Dr. Soumya Chakraborty stressed the need to enhance technical literacy in remote areas like Nagaland, while Donald Mawlot reaffirmed NERCORMS' commitment to fostering innovation. "This initiative aims to create lasting social impact by equipping young minds with the tools to solve real-world problems," Mawlot added. The NER Tech Hackathon 2025 reinforced the Northeast's potential as a hub for technological growth, paving the way for future advancements in 5G-powered solutions.

THE ARUNACHAL AGE

PAGE: 06, 13 MARCH



NERCORMS concludes the NER Tech Hackathon 2025

ITANAGAR, MAR 12: The North Eastern Regional Community Resource Management Society (NERCORMS) has concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges, universities, and startups across North East India. The hackathon was organized by Amantya Technologies under the project 'Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society' by NERCORMS, a society under the North Eastern

Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest, Shri Longli Phangcho, Hon'ble Member, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the North Eastern Region. "The North East has immense potential for technological growth, and 5G is a key enabler," - Shri Longli Phangcho.

Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of

innovation where young minds can apply cutting-edge technology to real-world problems." Said Mr. Donald Mawot, Manager - ICT, NERCORMS. "At Amantya Technologies, we believe 5G is a game-changer for the North East." - Amit Gupta, Co-Founder & CBO - Amantya Technologies. After the competition, the winners of NER Tech Hackathon 2025 were announced. Grand Prize Winner (INR 10 Lakhs) is indMeat. Runners-up Prize Winners (INR 2 Lakhs each) are AgriSure, Nioaa Devices, Nutrianc.

SENTINEL

PAGE: 03, 14 MARCH



The Sentinel

of this land, for its people

नेरकर्मस के एनईआर टेक हैकाथॉन 2025 का हुआ समापन

मुंबई, 14 मार्च (आईएनएस) मुंबई में आयोजित नेरकर्मस के एनईआर टेक हैकाथॉन 2025 का समापन 14 मार्च 2025 को हुआ। इस अवसर पर, नेरकर्मस के अध्यक्ष, डॉ. राजेश कुमार, ने सभी प्रतिभागियों को धन्यवाद दिया। उन्होंने कहा कि यह कार्यक्रम नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था। उन्होंने कहा कि नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था। उन्होंने कहा कि नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था।



नेरकर्मस के अध्यक्ष, डॉ. राजेश कुमार, ने सभी प्रतिभागियों को धन्यवाद दिया। उन्होंने कहा कि यह कार्यक्रम नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था। उन्होंने कहा कि नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था। उन्होंने कहा कि नेरकर्मस के प्रतिभागियों को एक साथ लाने का एक अच्छा अवसर था।

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MOKOKCHUNG TIMES

PAGE: 03, 14 MARCH



NER Tech Hackathon 2025 fuels 5G innovation; market impact expected across Northeast

Kohima: The NER Tech Hackathon 2025, organized by the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies, concluded with promising advancements in 5G technology. Funded by the North Eastern Council (NEC) under the Ministry of Development of North Eastern Region (MDoNER), the event saw participation from 57 teams representing colleges and startups from across Northeast India.

Shri Longkhangcho, Hon'ble NEC Member, highlighted the economic potential of 5G, stating, "The North East has immense potential for technological advancement, and 5G is a key enabler." Other industry leaders, including Mr. Donald Mawlot (NERCORMS) and Mr. Amit Gupta (Amantya Technologies), emphasized the role of innovation in driving socio-economic growth.

The competition awarded the grand prize of Rs 10 lakh to IndMeat from Guwahati, while runners-up included Nibisa Devices (Imphal), Nutrexia, and AgriSure (both from Guwahati), winning Rs 2 lakh each.

In Imphal, 5G adoption is accelerating digital transactions and improving supply chain efficiency. Businesses in retail, agriculture, and logistics are expected to benefit from enhanced connectivity, enabling faster trade and reducing operational bottlenecks.

DAINANDIN BARTA

PAGE: 05, 14 MARCH

১৯৭৫ সাল
শেহেনাৰ প্ৰকাশ
১৯৭৫ সাল

জাতি, মাটি আৰু দেশৰ সেৱা

দৈনন্দিন বাৰ্তা

ৱেব: www.dainandindownload.com
 ■ MSN: 810214, DLT
 ■ Paper: www.dainandindownload.com

গুৱাহাটীত উঃ পূঃ পৰিষদৰ শ্বিলংস্থিত ডনাৰ মন্ত্ৰণালয় ভাৰত চৰকাৰৰ অধীনস্থ সদস্য লংকি ফাণ্ড'ৰ উপস্থিতিত গুৰুত্বপূৰ্ণ সভা

কামলপুৰত বিছনাচৰ কৰ্মশালা

বিছনাচৰ কৰ্মশালাত প্ৰায় ১০০ জন কৰ্মচাৰীয়ে অংশগ্ৰহণ কৰিছিল। কৰ্মশালাত বিভিন্ন বিষয়ত তথ্য প্ৰস্তুত কৰা হৈছিল। কৰ্মচাৰীসকলে বিভিন্ন বিষয়ত তথ্য প্ৰস্তুত কৰিছিল। কৰ্মশালাত প্ৰায় ১০০ জন কৰ্মচাৰীয়ে অংশগ্ৰহণ কৰিছিল। কৰ্মশালাত প্ৰায় ১০০ জন কৰ্মচাৰীয়ে অংশগ্ৰহণ কৰিছিল।

■ বিশেষকৈ উঃ-পূৰ্বাঞ্চলৰ আন্তঃগাঁথনি উন্নয়ন সন্দৰ্ভত ■

দৈনন্দিন বাৰ্তাৰ সৈতে, পৰিষদে জাৰি কৰিছে, এই সভাৰ মূল উদ্দেশ্য হৈছে উঃ-পূৰ্বাঞ্চলৰ বিভিন্ন অঞ্চলত উন্নয়নৰ বাবে বিভিন্ন প্ৰকল্পৰ বাবে উৎসাহিত কৰা হৈছে।



গোৱালপাৰীত পৰিষদৰ সভাৰ সময়ত বিভিন্ন বিষয়ত তথ্য প্ৰস্তুত কৰা হৈছিল।

GANAADHIKAR

PAGE: 11, 14 MARCH

দৈনিক
গণ অধিকাৰ

এন ই আৰ টেক হেকাথনৰ প্রতিযোগিতাত ৫৭ টা দলৰ অংশগ্রহণ

গুৱাহাটী, ১০ মাৰ্চ : নৰ্থ-ইষ্টাৰ্ন
বিজিনিয়ল কমিউনিটি বিছ'ৰ্চ
মেনেজমেন্ট ছ'চাইটিয়ে যোৱা
১১ মাৰ্চত সফলভাৱে এন ই
আৰ টেক হেকাথন ২০২৫ৰ
সামৰণি মাৰে। অনুষ্ঠানটোত
সমগ্ৰ উত্তৰ-পূব ভাৰতৰ বিভিন্ন
মহাবিদ্যালয়, বিশ্ববিদ্যালয় আৰু
ষ্টাৰ্টআপক প্ৰতিনিধিত্ব কৰা
৫৭টা দলৰ অংশগ্রহণ
পৰিলক্ষিত হয়। ভাৰত
চৰকাৰৰ উত্তৰ-পূৰ্বাঞ্চল উন্নয়ন
মন্ত্ৰালয়ৰ উত্তৰ-পূব পৰিষদৰ
(এনইচি) অধীনস্থ সংস্থা
নেৰক ম'ছৰ 'সামাজিক
প্ৰত্যাহ্বানসমূহ সমাধানৰ বাবে
৫জি ব্যৱহাৰৰ ক্ষেত্ৰত
প্ৰয়োজনীয় বৈজ্ঞানিক
গৱেষণাৰ ওপৰত অধিক গুৰুত্ব

প্ৰয়োজনীয় বৈজ্ঞানিক
গৱেষণাৰ ওপৰত অধিক গুৰুত্ব
প্ৰদান' শীৰ্ষক প্ৰকল্পৰ অধীনত
অমন্ত্য টেকন'লজিছে এই
হেকাথন আয়োজন কৰে।
উত্তৰ-পূব পৰিষদৰ সদস্য লংকি
ফাংচোই উক্ত অনুষ্ঠান উদ্বোধন
কৰি উত্তৰ-পূৰ্বাঞ্চলৰ উন্নয়ন
আৰু অৰ্থনৈতিক বিকাশৰ
ক্ষেত্ৰত ৫জিৰ ভূমিকাক গুৰুত্ব
আৰোপ কৰে। 'উত্তৰ-
পূৰ্বাঞ্চলত প্ৰযুক্তিগত বিকাশৰ
অপৰিসীম সম্ভাৱনা আছে আৰু
৫জি হৈছে এই সম্ভাৱনাক বাস্তৱ
ৰূপ দিয়াৰ বাবে প্ৰয়োজনীয়
চাবি-কাঠী। এন ই আৰ টেক
হেকাথন ২০২৫-এ উদ্যমশীল
উদ্ভাৱকসকলক উন্নত প্ৰযুক্তিৰ
সৰ্বোত্তম ব্যৱহাৰৰ সুবিধা
আগবঢ়োৱাৰ লগতে
অঞ্চলটোৰ এক উন্নত
ভৱিষ্যতৰ বাবে প্ৰভাৱশালী
সমাধান গঢ়ি তুলিবলৈ এখন
উৎকৃষ্ট মঞ্চ প্ৰদান কৰে বুলি
লংকি ফাংচোবে কয়।

IMPHAL FREE PRESS

PAGE: 03, 14 MARCH



NER Tech Hackathon 2025 fuels 5G innovation; market impact expected across Northeast

IMPHAL | Mar 13

The NER Tech Hackathon 2025, organized by the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies, concluded with promising advancements in 5G technology. Funded by the North Eastern Council (NEC) under the Ministry of Development of North Eastern Region (MDoNER), the event saw participation from 57 teams representing colleges and startups from across

Northeast India.

Shri Longki Phangcho, Hon'ble NEC Member, highlighted the economic potential of 5G, stating, "The North East has immense potential for technological advancement, and 5G is a key enabler." Other industry leaders, including Mr. Donald Mawlot (NERCORMS) and Mr. Amit Gupta (Amantya Technologies), emphasized the role of innovation in driving socio-economic growth.

The competition award-

ed the grand prize of Rs 10 lakh to IndiMeat from Guwahati, while runners-up included Nibiaa Devices (Imphal), Nutrexerix, and AgriSure (both from Guwahati), winning Rs 2 lakh each.

In Imphal, 5G adoption is accelerating digital transactions and improving supply chain efficiency. Businesses in retail, agriculture, and logistics are expected to benefit from enhanced connectivity, enabling faster trade and reducing operational bottlenecks.

THE ECHO OF INDIA

PAGE: 10, 16 MARCH

THE ECHO OF INDIA

57 teams compete at NER Tech Hackathon 2025

EOI CORRESPONDENT

GUWAHATI, MARCH 15/16—The North Eastern Regional Community Resource Management Society (NERCORMS) concluded the NER Tech Hackathon 2025 recently. The event saw participation from 57 teams representing colleges and startups across North East India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

The event was inaugurated by the Chief Guest, Loukil Phangpho, Member, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the North Eastern Region. "The North East has immense potential for technological growth, and 5G is a key enabler. The NER Tech Hackathon 2025 provides a platform for innovators to leverage advanced technologies and build impactful solutions for the region's future," he said.

Also present at the event were Donald Mawlot, Manager - ICT, NERCORMS, Dr. (Prof) Soumya Chakraborty, Director, Nagaland Institute of Medical Sciences & Research (NIMS), Kohima, Mr. Amit Gupta, Co-founder of Amantya Technologies, Sh. Raj Naraha, CEO, DNCA Synergies among other guests and technology leaders.

among other guests and technology leaders.

"Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems. Our mission is to bridge the digital divide in the North East by nurturing talent, supporting research, and developing solutions that improve lives and create lasting social impact," said Mr. Mawlot.

At Amantya Technologies, we believe 5G is a game-changer for the North East. Through our 5G labs across all eight states, we are empowering innovators to build real-world solutions in agriculture, healthcare, smart cities, and beyond. The NER Tech Hackathon 2025 is a platform to push boundaries, drive socio-economic growth, and shape the future of connectivity in the region, said Amit Gupta, Co-Founder & CEO, Amantya Technologies.

Dr. Soumya Chakraborty, "This innovative initiative for Northeast India aims to identify brilliant ideas from individuals and teams. In Nagaland, remoteness and limited technical and 5G literacy pose significant challenges. However, the collaborative approach of Amantya and NERCORMS will inspire and empower innovators to develop solutions that address these issues."

After the competition, the winners of NER Tech Hackathon 2025 were announced:

Grand Prize Winner (Rs 10 lakh): IndiMeat, Guwahati

Runners-up Prize Winners (Rs 2 lakh each): Nibhaa Devices from Imphal, Manipur; Nutreacric; and AgriSure from Guwahati, Assam.

EASTERN CHRONICLE

PAGE: 02, 16 MARCH

WINDOW TO THE EAST
Eastern Chronicle

NERCORMS concludes the NER Tech Hackathon 2025

CHRONICLE NEWS SERVICE

IMPHAL: The North Eastern Regional Community Resource Management Society (NERCORMS) has concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges, universities, and startups across North East India. The hackathon was organized by Amantya Technologies under the project 'Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society' by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest, Shri Longki Phangcha, Hon'ble Member, North Eastern Council (NEC), who emphasized

the role of 5G in development and economic growth in the North Eastern Region. "The North East has immense potential for technological growth, and 5G is a key enabler," - Shri Longki Phangcha.

"Through initiatives like the NER Tech Hackathon 2025, NERCORMS is fostering a culture of innovation where young minds can apply cutting-edge technology to real-world problems," said Mr. Donald Mawbit, Manager - ICT, NERCORMS. "At Amantya Technologies, we believe 5G is a game-changer for the North East." - Amit Gupta, Co-Founder & CEO - Amantya Technologies. After the competition, the winners of NER Tech Hackathon 2025 were announced: Grand Prize Winner (INR 10 Lakhs) is Indilment, Runners-up Prize Winners (INR 2 Lakhs each) are AgriSure, Nihia Devices, Nutrierte.

MEGHALAYA GUARDIAN

PAGE: 05, 17 MARCH

THE MEGHALAYA GUARDIAN

57 teams compete at NER Tech Hackathon 2025 funded by NEC, MDoNER, GoI and organised by NERCORMS and Amantya Technologies, to drive 5G innovation in NE

Disruptive April 16, The NER Tech Hackathon 2025, organised by NERCORMS and Amantya Technologies, kicked off in Shillong on Monday. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region.

Pragathi, member secretary of NERCORMS, who expressed the aim of the event is to promote and support growth in the North Eastern region. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region.

Amantya Technologies & Research (AT&R), a local firm, is the main sponsor of the event. The company aims to drive 5G innovation in the region. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region.

NERCORMS is a joint venture of NERC and Amantya Technologies. The company aims to drive 5G innovation in the region. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region.

Through the event, the government aims to drive 5G innovation in the region. The event is a two-day competition for teams representing various districts across the region. The competition aims to foster innovation and drive 5G technology adoption in the North Eastern region.

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NORTH EAST TIMES

PAGE: 03, 17 MARCH

THE NORTH EAST TIMES

57 teams compete at NER Tech Hackathon 2025 funded by NEC, MDoNER, Gol and organised by NERCORMS and Amantya Technologies, to drive 5G innovation in NE

STAFF REPORT The North Eastern Regional Community Resource Management Society (NERCORMS) welcomed the 57th Tech Hackathon 2025 on March 17, 2025. The event saw participation from 57 teams representing colleges and startups across North East India. The hackathon was organized under the patronage of Department of Science & Research (DSR), Govt of Assam, Directorate of Science & Technology (DST), Assam, and the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest, Longo

Phanindra, Member North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the region. "The North East has immense potential in technological growth, and 5G is a key enabler. The NER Tech Hackathon 2025 provides a platform for startups to leverage advanced technologies and build impactful solutions for the region's needs," said Longo Phanindra. Also present at the event were David Maxwell, Manager - ICT, NERCORMS, Dr. Phani Sanyal, Secretary, Director, Regional Institute of

Medical Sciences & Research (AIMSR), Karingchi, Assam, and Dr. S. K. Sanyal, Director, NER Tech Hackathon 2025. NERCORMS is a leading organization in the region of education, where young minds can apply cutting-edge technology to real-world problems. Our mission is to bridge the digital divide in the North East by nurturing talent, fostering innovation, and developing solutions that drive social

change for the North East. Through our 5G lab, we are empowering startups to build real-world solutions in agriculture, healthcare, smart cities, and beyond. The NER Tech Hackathon 2025 is a platform to push boundaries, foster innovation, growth, and drive the future of technology in the region. I bid Adm. Gupta, Co-Chairman, A. D. S. - Amantya Technologies. "This innovative initiative for

North East India aims to identify brilliant ideas from startups and teams in the region, encourage and reward technical excellence, and drive social change for the North East. Through our 5G lab, we are empowering startups to build real-world solutions in agriculture, healthcare, smart cities, and beyond. The NER Tech Hackathon 2025 is a platform to push boundaries, foster innovation, growth, and drive the future of technology in the region. I bid Adm. Gupta, Co-Chairman, A. D. S. - Amantya Technologies. "This innovative initiative for

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TRIPURA TIMES

PAGE: 05, 19 MARCH

Postal Regn. No. 302/800

ESTD - 1960

TRIPURA TIMES

www.tripuratimes.com

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NER Tech Hackathon 2025 concludes in Guwahati, showcases 5G innovations

Agartala: The NER Tech Hackathon 2025, organised by the North Eastern Regional Community Resource Management Society (NERCORMS) in collaboration with Ananta Technologies, concluded successfully, highlighting cutting-edge 5G-based solutions. The event, hosted by the North Eastern Council (NEC) under the Ministry of Development of North Eastern Region (MIDDER), saw participation from 57 teams representing colleges and startups across Northeast India. "Chief Guest Mr. Longkai Phangjia, Hon'ble Member of NEC, inaugurated the event, emphasising the transformative potential of 5G in the region's economic and technological growth. "The North East has immense potential for technological advancement, and 5G is a key enabler. This platform allows innovators to create impactful solutions," he stated. "Industry leaders, including Mr. Donald Mawka (NERCORMS), Dr. Soenryal Inkraboty (National Institute of Medical Sciences & Research), and Mr. Anir Gupta (Ananta Technologies), highlighted the role of innovation in bridging the region's digital divide. The competition identified solutions in agriculture, healthcare, and smart city development, with winners demonstrating strong real-world applications. "The grand prize of ₹10 lakh was awarded to IndiMart from Guwahati, while runner-up awarded Nava Devans (Diphai), Nitrenzic, and AgriBert (both from Guwahati), winning ₹7 lakh each." In Agartala, the hackathon's impact resonated with local businesses exploring 5G applications in agriculture and supply chain management. Experts noted that improved connectivity could boost efficiency and open new market opportunities for entrepreneurs in the city's growing tech ecosystem.

Digital Publication: ETV BHARAT

<https://www.etvbharat.com/as/technology/57-teams-compete-at-ner-tech-hackathon-2025-ass25031300877>

TRIPURA TIMES

PAGE: 05, 19 MARCH

Postal Regn. No. 32/80

ESTD - 1960

TRIPURA TIMES

www.tripuratom.com

First & Largest Circulated English Daily in Tripura Since 1960

NER Tech Hackathon 2025 concludes in Guwahati, showcases 5G innovations

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Digital Publication: INDIA TODAY NE

<https://www.indiatodayne.in/assam/video/57-teams-compete-in-ner-tech-hackathon-2025-driving-5g-innovation-in-northeast-india-1183017-2025-03-12>



The screenshot shows a news article from India Today NE. The headline is "57 teams compete in NER Tech Hackathon 2025, driving 5G innovation in Northeast India". Below the headline is a photograph of a stage event with a large screen displaying "NER". The author is Krishna Meethi, and the article was published on Mar 12, 2025, with an update on Mar 12, 2025, at 4:04 PM IST. Social media sharing icons for WhatsApp, Facebook, and X are visible. The article text states: "The NER Tech Hackathon 2025 concluded successfully, bringing together 57 teams from colleges and startups across Northeast India to develop 5G-based solutions. Organized by the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies, the event aimed to advance research on 5G applications under a project funded by the North Eastern Council (NEC), Ministry of Development of North Eastern Region (MDoNER), Government of India."

Digital Publication: ETV BHARAT

<https://www.etvbharat.com/as/technology/57-teams-compete-at-ner-tech-hackathon-2025-ass25031300877>

ETV Bharat / Technology

NER Tech Hackathonত উত্তম-পূৰ্বৰ বাবে 5G চালিত উদ্ভাৱনসমূহ প্ৰদৰ্শন - NER TECH HACKATHON

উত্তম-পূৰ্বৰ বাবে 5G প্ৰযুক্তিক ব্যৱহাৰ কৰি নিৰ্মাণ কৰাৰ অনুষ্ঠিত এন ই আৰ টেক হেকাথনত ৫৭টা দলে অংশগ্ৰহণ কৰে।

NER টেক হেকাথনত উত্তম-পূৰ্বৰ বাবে 5G চালিত উদ্ভাৱনসমূহ প্ৰদৰ্শন (ETV Bharat)

2.1K Views

By ETV Bharat Associate Team
Published: Mar 13, 2025, 9:16 AM IST

গুৱাহাটী : উত্তম-পূৰ্বীকৰণৰ ডিজিটেল অগ্ৰগতি আৰু অধিক উন্নতি কৰাৰ লক্ষ্যৰে নৰ ইন্টাৰ্নেট বিভাগে কলিকতাৰ নীৰৱাচন স্কোয়াৰত 'NER TECH HACKATHON' নামৰ উদ্ভাৱন প্ৰদৰ্শন অনুষ্ঠিত কৰিছে। এই অনুষ্ঠিত অংশগ্ৰহণ কৰা ৫৭টা দলে উত্তম-পূৰ্বৰ বাবে 5G প্ৰযুক্তি ব্যৱহাৰ কৰি নিৰ্মাণ কৰাৰ অনুষ্ঠিত কৰিছে। এই অনুষ্ঠিত অংশগ্ৰহণ কৰা ৫৭টা দলে উত্তম-পূৰ্বৰ বাবে 5G প্ৰযুক্তি ব্যৱহাৰ কৰি নিৰ্মাণ কৰাৰ অনুষ্ঠিত কৰিছে।

Regional Online

Digital Publication: HUBNETWORK

<https://hubnetwork.in/ner-tech-hackathon-2025-showcases-5g-powered-innovationsfor-north-east-india/>



Guwahati, March 12: Young innovators from the Northeast displayed technologies which could bring impactful solutions for the region's future.

A total of 57 teams, representing colleges and startups from Northeast participated in the NER Tech Hackathon 2025 organised by The North Eastern Regional Community Resource Management Society (NERCORMS) under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society". The initiative was organized by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was held on March 11.

Digital Publication: NKTv

<https://www.nktv.in/57-teams-compete-at-ner-tech-hackathon-2025/>



The North Eastern Regional Community Resource Management Society (NERCORMS) concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges and startups across North East India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

Digital Publication: THE MEGHALAYAN EXPRESS

<https://themeghalayanexpress.com/ner-tech-hackathon-2025-team-indimeatguwahati-wins-grand-prize/>



MEGHALAYA | LATEST NEWS

1 min. Read

NER Tech Hackathon 2025: Team IndiMeat (Guwahati) wins grand prize

By The Meghalayan Express

March 12, 2025

Shillong, Mar 12: Team IndiMeat (Guwahati) has emerged the winner in the NER Tech Hackathon 2025 on Tuesday, taking home the grand prize of Rs 10 lakh.

Team AgriSure (Guwahati), Nibisa Devices (Imphal) and Nutrikeric (Guwahati) secured the runners-up trophy with a prize of Rs 2 lakh each.

Digital Publication: TELECOM DRIVE

<https://telecomdrive.com/innovation/ner-tech-hackathon-2025-drives-5g-innovationin-north-east-india-8846972>

The screenshot shows a news article on the Telecom Drive website. The article title is "NER Tech Hackathon 2025 | Drives 5G Innovation in North East India". The sub-headline reads: "With an aim to promote 5G innovation at the grassroots level, MIBCOMAT concluded the NER Tech Hackathon 2025 on March 15, 2025. The event saw participation from 27 teams representing colleges and startups across North East India." Below the text is a photograph of the event stage. The stage features a large green and white backdrop with the text "NER TECH HACKATHON 2025" and "OPENING OF SCIENTIFIC RESEARCH ON 5G USE CASES FOR SOLVING CHALLENGES OF SOCIETY". A speaker is visible at a podium on the stage. The article text below the image states: "The North Eastern Regional Community Business Management Society (NERCOMAT) concluded the NER Tech Hackathon 2025 on March 15, 2025. The event saw participation from 27 teams representing colleges and startups across North East India. The hackathon was organized under the project 'Dispersing of Scientific Research on 5G Use Cases for Solving Challenges of Society' by MIBCOMAT, in collaboration with the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India."

Digital Publication: INDIGENOUS HERALD

<https://indigenousherald.com/TripuraNews/57-teams-compete-at-the-ner-techhackathon-2025-23252.html>

Indigenousherald

Face of Northeast India

Estd. 2006

57 teams compete at the NER Tech Hackathon 2025



Organised by the NERCORMS and the Amantya Technologies

IH News Desk

REGIONAL, March 12, 2025: The North Eastern Regional Community Resource Management Society (NERCORMS) concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges, universities and start-ups across North East India.

Digital Publication: AIRANEWSNETWORK

<https://airanewsnetwork.com/57-टीमें-एनईआर-टेक-हैकार्थॉन-2025/>



The screenshot shows the homepage of the AIR NEWS NETWORK website. At the top left is the logo for AIR NEWS NETWORK with the tagline 'सच कहो, जो होना' (Tell the truth, as it is). Below the logo is a navigation bar with 'Home / आसपास' and a search icon. The main headline reads '57 टीमें एनईआर टेक हैकार्थॉन 2025 में हुई शामिल' (57 teams participated in the AIR Tech Hackathon 2025). Below the headline is a sub-headline '57 टीमें एनईआर टेक हैकार्थॉन 2025 में हुई शामिल, पूर्णतः परिसर, डीनर संभालने, भारत सरकार द्वारा वित्त पोषित, मेकअप और अमला टेकनोपॉलिस ने 5000 तकवाच को टी नहीं दिया' (57 teams participated in the AIR Tech Hackathon 2025, fully covered, dinner organized, funded by the Government of India, makeup and Amala Technopolis provided 5000 watches to the teams). Below the text is a photograph of a group of people standing on a stage with banners for 'AIR NEWS NETWORK' and 'AIR TECH HACKATHON 2025'. Under the photo is a caption: '57 टीमें एनईआर टेक हैकार्थॉन 2025 में हुई शामिल, पूर्णतः परिसर, डीनर संभालने, भारत सरकार द्वारा वित्त पोषित, मेकअप और अमला टेकनोपॉलिस ने 5000 तकवाच को टी नहीं दिया' (57 teams participated in the AIR Tech Hackathon 2025, fully covered, dinner organized, funded by the Government of India, makeup and Amala Technopolis provided 5000 watches to the teams). At the bottom of the page is a footer with the text: 'दुबई, अरब - [11/03/2025] - उत्तर-पूर्वी क्षेत्रीय सांस्कृतिक संस्थान संयोजन समिति (नेकनिस) द्वारा आयोजित एनईआर टेक हैकार्थॉन 2025 का शुभारंभ 11 मार्च 2025 को हुआ। इस कार्यक्रम में उत्तर-पूर्वी भारत के विभिन्न भागों से विद्यार्थियों और नवप्रवर्तकों (स्टार्टअप) की 57 टीमें ने भाग लिया। यह कार्यक्रम अमला टेकनोपॉलिस द्वारा 'समय की सुई' के समर्थन में उत्तर-पूर्वी क्षेत्र के वैज्ञानिक अनुसंधान को बढ़ावा देने के उद्देश्य से आयोजित किया गया। यह कार्यक्रम नेकनिस (उत्तर-पूर्वी परिसर - एनईसी, उत्तर-पूर्वी क्षेत्र विकास संस्थान, भारत सरकार) के आयोजन में आयोजित है।' (Dubai, Arab - [11/03/2025] - North-East Regional Cultural Institution Organization Committee (NEKNI) organized the AIR Tech Hackathon 2025 on 11 March 2025. This program was held in various parts of North-East India. 57 teams of students and startups (startups) participated in the event. This program was organized by Amala Technopolis under the support of 'Time Machine' to promote scientific research in the North-East region. The program was organized by NEKNI (North-East Regional Center - NEEC, North-East Regional Development Institute, Government of India) under its management.)

Digital Publication: E-PAO

https://epao.net/epSubPageSelector.asp?src=NER_Tech_Hackathon_2025_results_announced_&ch=education&sub1=Education_Announcements&sub2=Edn_Ann_2025



NER Tech Hackathon 2025 results announced
- Guwahati, 11th March 2025 :: NERCORMS / Amantya Technologies -

57 Teams Compete at NER Tech Hackathon 2025, Organized by NERCORMS and Amantya Technologies to Drive 5G Innovation in North East India

The North Eastern Regional Community Resource Management Society (NERCORMS) concluded the NER Tech Hackathon 2025 on March 11, 2025. The event saw participation from 57 teams representing colleges, universities and startups across North East India.

The hackathon was organized by Amantya Technologies under the project 'Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society' by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

Digital Publication: W7SNEWS

https://www.w7snews.com/2025/03/blog-post_27.html



Home ✖ গুৱাহাটী ৷ উত্তৰ-পূব ভাৰতত ৫জি প্ৰযুক্তিক আগুৱাই
নিয়াৰ বাবে ভাৰত চৰকাৰৰ উত্তৰ-পূৰ্বাঞ্চল উন্নয়ন মন্ত্ৰালয়ৰ
উত্তৰ-পূব পৰিষদৰ (এন ই চি) ৰ আৰ্থিক সহযোগিতা তথা
নেৰকস্ৰ্ছ আৰু অমল্য টেকন'লজিছৰ উদ্যোগত আয়োজিত
এন ই আৰ টেক হেকাথন ২০২৫ ৰ প্ৰতিযোগিতাত ৫৭ টা দলৰ
অংশগ্ৰহণ

**উত্তৰ-পূব ভাৰতত ৫জি প্ৰযুক্তিক আগুৱাই
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চি) ৰ আৰ্থিক সহযোগিতা তথা নেৰকস্ৰ্ছ
আৰু অমল্য টেকন'লজিছৰ উদ্যোগত
আয়োজিত এন ই আৰ টেক হেকাথন
২০২৫ ৰ প্ৰতিযোগিতাত ৫৭ টা দলৰ
অংশগ্ৰহণ**

Digital Publication: HIGHLANDPOST

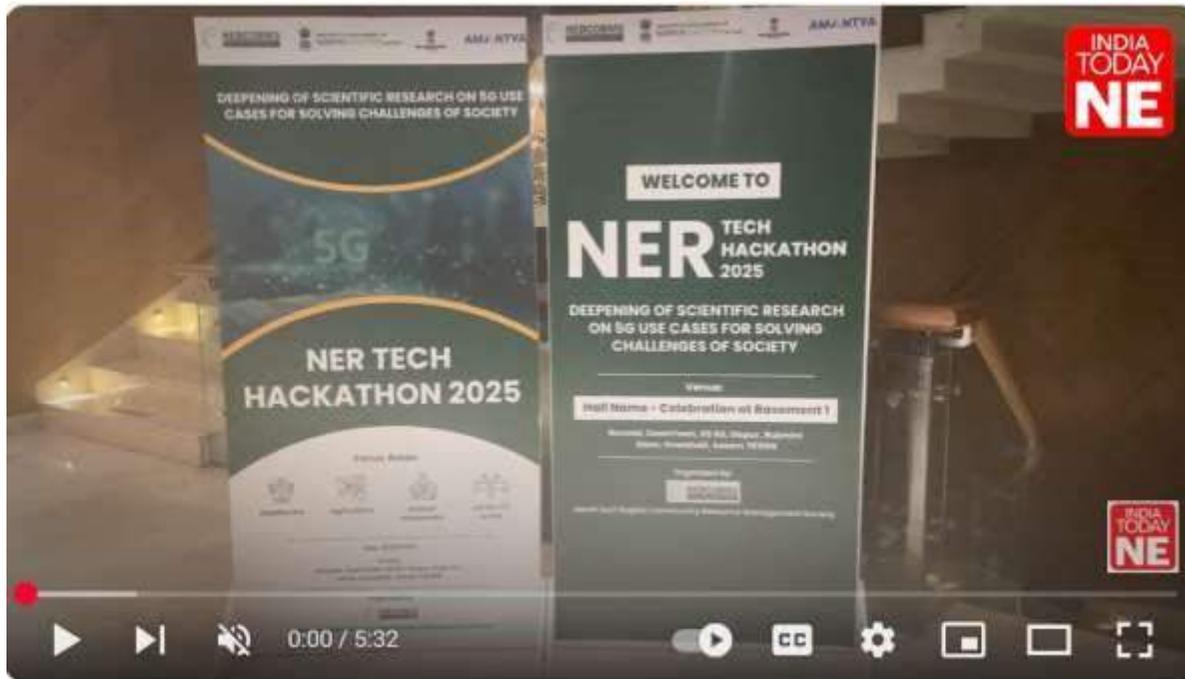
<https://highlandpost.com/ner-tech-hackathon-2025-to-drive-5g-innovation-held/>



The screenshot shows the top portion of a news article on the Highland Post website. At the top left is a hamburger menu icon, followed by the 'Highland Post' logo, and a search icon on the right. Below the navigation is a breadcrumb trail: 'Home > NE'. The main headline reads 'NER Tech Hackathon 2025 to drive 5G innovation held'. Underneath the headline, it says 'By HP News Service' and 'March 11, 2025'. A large image follows, depicting the text '5G', '4G', and '3G' in a blue, glowing font against a dark background with a network of light blue lines. Below the image is a row of social media sharing icons: WhatsApp, Facebook, Twitter, Telegram, Email, LinkedIn, and Print. The article text begins with: 'The North Eastern Regional Community Resource Management Society (NERCORMS) successfully concluded the NER Tech Hackathon 2025 on March 11 in Guwahati, Assam.' The next paragraph states: 'The event saw participation from 57 teams representing colleges and startups across North East India, all competing to drive 5G innovation in the region.'

YouTube Publication: INDIA TODAY NE

<https://www.youtube.com/watch?v=Lz5sCemTfRg>



NER Tech Hackathon 2025 showcases 5G innovations, empowers Northeast India's tech talent



IndiaTodayNE
56.8K subscribers

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11



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Event Photos:









Hackathon 2.0

Summary of the Event

- Total Registrations (Google Form): 772
- Total Registrations (Unstop + Social Media Ads): 2000+
- Colleges Reached Out: 2500+
- Startups Reached Out: 2100+
- Incubation Centres Reached Out: 200+

Pre-Event Media Coverage:

A total of 25 print coverages were conducted across eight northeastern states to maximize participation, along with 250 digital coverages at both local and national levels.

PRINT COVERAGE			
S.No.	State	Newspaper	Date of Publication
1	Bangalore	Deccan Herald	18-Apr-2025
2	Bangalore	Sanje Express	16-Apr-2025
3	Bangalore	Southern Mail	16-Apr-2025
4	Bangalore	Dakshin Prakash	16-Apr-2025
5	Bangalore	Suvarna Times	17-Apr-2025
6	Bangalore	Indu Sanje	16-Apr-2025
7	Bangalore	Sanje Samaya	16-Apr-2025
8	Bangalore	Esanje	18-Apr-2025
9	Bangalore	Shabd Shaastra	18-Apr-2025
10	Bangalore	Pajavani	18-Apr-2025
11	Delhi NCR	Dainik Bhaskar	17-Apr-2025

12	Delhi NCR	Amrit India	16-Apr-2025
13	Delhi NCR	Punjab Kesari	17-Apr-2025
14	Delhi NCR	The Pioneer	17-Apr-2025
15	Pune	Gavakaru	16-Apr-2025
16	Pune	Sandhya	16-Apr-2025
17	Mumbai	Nav Shakati	18-Apr-2025
18	Mumbai	Mumbai Shivnari	18-Apr-2025
19	Mumbai	Mumbai Lakshdeep	18-Apr-2025
20	Mumbai	Aaple Samrajya	18-Apr-2025
21	Chennai	Evening Tamil Nadu	16-Apr-2025
22	Chennai	Virtual Times	16-Apr-2025
23	Hyderabad	Surya	16-Apr-2025
24	Hyderabad	Pragathi Express	16-Apr-2025
25	Assam	Assam Post	24-Apr-2025

Details of Pre-event Publications & Media Coverage: Post-Event Media Coverage:

Following the Hackathon 2.0, 16 print coverages were conducted across eight northeastern states, along with 4 digital coverages at national levels.

Details of Publications s Media Coverage

PRINT COVERAGE			
S.No.	State(s)	Newspaper Name	Date
1	Assam	Ganaadhikar	May 16, 2025
2	Assam	Hindi Sentinel	May 16, 2025
3	Assam	Pratah Khabar	May 16, 2025
4	Assam	Assam Post	May 16, 2025
5	Assam	Batari Kakat	May 16, 2025
6	Assam	North East Times	May 19, 2025
7	Sikkim	Himalayan Mirror	May 15, 2025
8	Manipur	Hueiyen Lanpao	May 15, 2025
9	Mizoram	Highalnder	May 16, 2025
10	Tripura	Tripura Times	May 16, 2025
11	Arunachal Pradesh	The Arunachal Age	May 16, 2025
12	Nagaland	Mokokchung Times	May 15, 2025
13	Meghalaya	Meghalaya Gurdian	May 19, 2025
14	Delhi	Dainik Bhaskar	May 16, 2025
15	Delhi	Punjab Kesari	May 20, 2025
16	Delhi	The Pioneer	May 20, 2025

DIGITAL COVERAGE				
S.No.	Type of Publication	Digital Publication	Link of Publication	Date of Publication
1	Regional Online	Epao (Manipur)	Link	May 19, 2025
2	Regional Online	Hub News (Meghalaya)	Link	May 19, 2025
3	Regional Online	Meghalaya Express (Meghalaya)	Link	May 19, 2025
4	Regional Online	Indigeneous Herald (Tripura)	Link	May 19, 2025

Shortlisted Teams:

A total of 60 teams were shortlisted out of 772 registrations received. Below are the details of shortlisted teams:

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
1	Turspects	Vishakha Kanwar Rathore	Agriculture	Apparently, the adulteration of lead metal (lead chromate) in turmeric spice imposes serious health contributing to lead poisoning particularly in children [6]. It is associated with risk of heart, kidney, and loss of intelligence diseases in adults and children [6], [7]. Therefore, its detection becomes a crucial aspect to inhibit the probability of consumption specially in the south-Asian countries including India (Guwahati), Bangladesh, and Pakistan [7]. Spectroscopic techniques using x-ray fluorescence analyzer (XRF) is commonly used to quantify the presence of lead chromate in turmeric, however, it is lab ridden, cost and time expensive technique. In this idea therefore, the aforementioned limitations can be

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>fulfilled with the proposed spectrophotometer which facilitates portability for the rural/on-spot adulteration examination. It performs a real-time prototype model for detecting turmeric with lead chromate based on Beer-Lambert's law, which states a linear relationship between absorbance and concentration of an absorbing species. The developed spectrophotometer's sample holder is loaded with a silica-glass cuvette with pure water and gradually turmeric is added in different concentrations to observe the absorbance in the output light. The working flowchart and turmeric detection curve gives a sensitivity of 7880 mV/(mg dL⁻¹) for a 3 cm path length. Apparently, the adulterated turmeric with lead chromate's impact shows the difference in the output voltage with adulterated turmeric. This is an important hand-held, smart, portable, and easy-to-use device which can detect and check the quality of the turmeric in the supply chain.</p>
2	KHETIOX	RANJAN HAZARIKA	Animal Husbandry	<p>Northeast India faces critical gaps in delivering timely agricultural and animal husbandry services to smallholder farmers, especially women, youth, and SHGs in remote areas. Challenges include lack of real-time access to veterinary care, input services, and market linkages due to difficult terrain, limited digital infrastructure, and scattered population density.</p> <p>Khetiox is developing a GIS-powered digital platform to empower women, youth, and SHGs in the Northeast with last-mile livestock and agri-based services. While our existing app connects farmers with veterinary support, fishery services, and a marketplace for agri-inputs and bookings, we are now building an integrated GIS</p>

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				<p>layer to further scale impact.</p> <p>The upcoming GIS module will enable real-time disease outbreak mapping, location-based service alerts, and hyperlocal demand-supply insights. This geospatial intelligence will allow SHG micro-entrepreneurs to proactively serve their communities, improve animal health outcomes, and create reliable income streams. Our marketplace will integrate with the GIS layer to match farmers with buyers, identify underserved zones, and support logistics coordination. Paired with 5G and low-bandwidth support, our system will be accessible even in the most remote corners of the Northeast.</p>
3	LW3	Abhinaav Saikia	Agriculture	<p>LW3 Private Limited is a blockchain startup, co-founded by two IIT alumni – Abhijit Pegu & Marungsha Swrang Brahma providing Digital Product Passports as a Service incubated under NRL IDEATION in Guwahati.</p> <p>The company won the Global Startup Pitch Competition organized by the MIT-backed Blockchain Network Algorand Foundation in New Delhi, 2023. Also, the startup was selected as the winner of the India-EU Matchmaking event, August 2024 organized by The Office of Principal Scientific Advisor to the PMO, Govt of India and Director General Research & Innovation, European Commission as part of Working Group 2 (WG 2) of the Trade & Technology Council (TTC).</p> <p>What is a Digital Product Passport?</p> <p>Digital Product Passports (DPP) are a software tool for collecting and sharing product data throughout its entire lifecycle used to illustrate a product’s sustainability, environmental and source of</p>

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				<p>origin proof. The EU has laid out a Digital Product Passport Regulation in June 2023 to make it mandatory in food imports into EU 2027–2030. onwards.</p> <p>If selected, the startup proposes a Pilot Project on 'Lakadong Turmeric' with NERCORMP.</p> <p>Important cases for Northeast states:</p> <ol style="list-style-type: none"> 1. High value premium tea passport 2. Eri Silk & Muga passport. 3. Geographical Indication (GI) Passport for NER GI products.
4	Jolkuwori	Dipankar Kashyap	Agriculture	<p>Jolkuwori LLP is a tech-enabled aquaculture startup based in Assam, focused on empowering small and marginal fish farmers while delivering hygienic, indigenous freshwater fish to urban consumers. Our model addresses critical issues in the sector: poor water quality management, fish mortality, low productivity, and market exploitation of farmers.</p> <p>We are developing an affordable IoT-based water quality monitoring system—in collaboration with Central University, Tezpur and College of Fisheries, Raha—that helps farmers track key parameters like pH, dissolved oxygen, and temperature in real time, along with fish health and disease prediction. This improves yield, reduces losses, and supports sustainable aquaculture practices.</p> <p>We are also building a direct-to-consumer (D2C) platform that delivers fresh, cut, and cleaned indigenous fish sourced directly from over 5,000 farmers to customers in Guwahati and beyond. This ensures consumers get high-quality, traceable fish while</p>

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				<p>farmers receive fair prices.</p> <p>Our work strengthens the entire aquaculture value chain—from input to market—while promoting environmental sustainability and rural livelihoods. Jolkuwori is not just a fish business; it's a mission to create a more transparent, tech-driven, and inclusive aquaculture ecosystem in Assam.</p>
5	CodeX Crew	Pooja A	Animal Husbandry	<p>Our solution leverages IoT-powered wearable technology to revolutionize livestock health management in remote and underserved areas of North East India. Designed specifically for pigs, mithun, goats, poultry, and cattle, the wearables monitor vital metrics such as body temperature, movement, and stress levels. This data is transmitted to a mobile application that provides real-time updates, care alerts, and actionable tips in local languages, ensuring accessibility for farmers and Self-Help Groups (SHGs).</p> <p>To address the high incidence of livestock theft, GPS-enabled geo-fencing and live tracking features instantly alert owners when animals move beyond set boundaries. A dedicated vet dashboard integrates seamlessly, providing remote diagnostics and enabling faster response times through automated health alerts.</p> <p>Powered by AI, the platform analyses animal health trends to predict diseases early, optimize breeding cycles, and boost productivity. The entire system is engineered for rural constraints – with offline data storage, solar charging, and low-bandwidth syncing to ensure uninterrupted service even in connectivity-challenged zones.</p>

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				Our innovation empowers rural communities, especially women and youth, to protect and enhance their livelihoods through smart livestock care – supporting sustainable agriculture and rural resilience using 5G-ready IoT infrastructure.
6	GOODNESS	Sharamjeet Shaurya	Healthcare	Nowadays people lack the time for regular exercise, negatively impacting health. Lack of physical activity and sedentary behaviour contribute to heart failure and other health issues. Regularly exercising is essential for overall wellness and disease prevention. Modern lifestyles limit opportunities for natural physical activity. There is a need for a solution that allows people to exercise conveniently. The solution is “smart functional Chair”: this is a smart chair designed to enable fitness and lifestyle maintenance anytime, anywhere.
7	SUBTLEBOTIC	Sivasanthosh	Healthcare	<p>Subtlebotic Private Limited is developing Limb Assist, the world’s first AI-powered, non-invasive, wearable neurotech robotic device designed to assist individuals with motor impairments due to stroke, spinal cord injuries, and neurological disorders. Our innovation enables users to regain mobility by translating brain waves and nerve signals into real-time robotic movements—empowering natural limb function without surgery or implants.</p> <p>Limb Assist is lightweight, compact, and worn like clothing, offering comfort and continuous support for daily tasks. It integrates a non-invasive Brain-Computer Interface (BCI), dual motor actuation, and adaptive AI algorithms to provide personalized motion assistance based on the user’s intent.</p>

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				<p>This solution addresses the limitations of traditional exoskeletons and prosthetics, which are often bulky, expensive, and inaccessible. With over 25 million individuals in India affected by mobility-related conditions, the need for affordable, wearable assistive devices is urgent.</p> <p>We seek funding to complete advanced prototyping, conduct pilot trials in clinical and home settings, and begin regulatory preparations. Our goal is to bring this technology to market as a cost-effective alternative that restores independence, enhances rehabilitation outcomes, and improves the quality of life for millions. Through this project, we aim to lead the next generation of personal care robotics</p>
8	Tactile watch	Dattaguru Prabhu	Healthcare	<p>We are building a wearable assistive device that brings real-time sound awareness to individuals with profound hearing loss who cannot benefit from cochlear implants due to cost or age constraints. Our core innovation lies in using machine learning (ML) and edge computing on embedded hardware to detect and classify environmental and specific sounds—such as alarms, sirens, vehicle horns, door knocks, and even customizable keywords—without requiring internet connectivity.</p> <p>The system uses a high-performance MEMS microphone and a low-power microcontroller (ESP32-S3) to capture and process audio signals. Lightweight ML models run on-device to perform</p>

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				<p>sound classification and trigger tactile haptic feedback and visual cues, helping the user become aware of critical events around them. The product is designed to be non-invasive, affordable, and highly localizable, supporting sound categories that can be added and refined through community engagement in an open-source model.</p> <p>We have validated the concept through testing with 115+ deaf individuals and consultations with audiologists and ENT specialists. With support from NIDHI-PRAYAS (IISc) and SISFS-CTIE Hubli, we have reached TRL-6 and secured 25 pre-orders. The solution combines embedded AI, human-centered design, and scalable hardware to create a new category of wearable tech for sound awareness in underserved communities across Bharat and beyond.</p>
9	Zeuron.ai	Siddharth Shivakumar Nair	Healthcare	<p>Over 1 in 3 people globally are affected by a neurological disorder. In India's North Eastern Region (NER), states like Assam and Tripura report some of the highest rates of stroke, epilepsy, cerebral palsy, and neurodevelopmental disorders. In Assam alone, ADHD affects 12.6% of primary school children and Autism Spectrum Disorder (ASD) affects 0.24% of children under 10—figures likely underestimated due to poor access and awareness.</p> <p>MiMo5G is an AI-powered neuro-compute console that brings the true vision of telemedicine to life—moving beyond video consultations to deliver real-time cognitive assessment, stroke</p>

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				<p>rehab, mental wellness, and therapy through gamified AI and IoT, even without continuous internet.</p> <p>Available as a community console (₹50/hr) or a home device, MiMo supports multilingual interaction (Assamese, Bodo, Mizo), integrates with ABHA, and runs on low-power edge AI.</p> <p>What makes MiMo transformative is its developer ecosystem: we enable local youth and engineers to co-create health and agriculture solutions, fostering regional innovation. We aim to train 1,500+ students, deploy 300+ consoles, and impact over 1.2 lakh children and 60,000 women in 3 years.</p> <p>MiMo5G is not just a product—it's a movement to unlock cognitive care, innovation, and equity in rural India.</p>
10	Integrated Innovators BLR	Kirana G V	IoT for Oil & Gas	<p>The North East region of India, rich in natural resources and biodiversity, faces persistent challenges in industrial safety, infrastructure accessibility, and environmental sustainability particularly in the Oil & Gas and allied sectors. Frequent gas leaks, equipment failures, and delayed anomaly detection pose significant health, environmental, and operational risks.</p> <p>To address these issues, we propose an AI-powered IoT-based Remote Monitoring and Predictive Maintenance Dashboard tailored for multi-sector deployment with a focus on Oil & Gas infrastructure. Our solution enables real-time asset monitoring,</p>

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				<p>intelligent leak detection, and AI/ML-driven predictive analytics using edge computing and secure communication protocols like MQTT and 5G.</p> <p>Operators and administrators receive role-based visual insights through a unified, cloud-native dashboard. The system supports anomaly alerts, self-healing networks, and environmental intelligence for timely interventions. It is adaptable for sectors such as Transportation, Agriculture, Construction, and Defense, making it ideal for diverse use cases in remote and rugged terrains of the North East.</p> <p>This low-cost, scalable, and cyber-resilient platform promotes sustainability, operational continuity, and community well-being.</p>
11	DESIGO	Mahavir Bishnoi	Animal Husbandry	<p>Desigo® Milk is a tech-enabled, 100% women-led dairy company delivering traceable, single origin milk in zero-plastic, off-grid-compatible systems. We operate in India's most underserved regions—where power, internet, and market access are scarce—and transform them into high-efficiency milk production hubs using AI, IoT, RFID, proprietary software, and alternative energy-powered chilling systems.</p> <p>Intellectual Property We hold 1 granted trademark, with 2 trademarks and 3 design patents pending. A technology patent for our smart traceable dairy systems is also under review.</p>

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				<p>North-East Expansion & Local Relevance</p> <p>We're establishing a centralized control center in Sikkim/Assam, with production sites planned for deployment. We're in active talks with paramilitary forces and leading hotel groups for market access. As an Indian Army family, our founder's early life in Tezu, Arunachal Pradesh gives us a deep cultural connect with the North-East.</p> <p>Proven Success</p> <p>Our plug-and-play model has been perfected in some of India's toughest regions. Result?</p> <ol style="list-style-type: none"> 1. 100% producer retention across all sites 2. Near 100% retention with 900+ recurring B2C users 3. Trusted B2B buyers: CRPF, ITC, Samrat HoReCa 4. 1 million+ plastic pouches eliminated annually <p>Guaranteed Impact for NE Region</p> <ul style="list-style-type: none"> ✓ 30-60% rise in rural women's incomes ✓ 100% free or 90%-subsidized tech for women farmers ✓ Real-time data transparency on women beneficiaries ✓ Zero plastic, traceable operations from day one
12	Matri Bandhan	Alric Vivian Dsouza	Healthcare	Access to reproductive health care remains a critical challenge for women in rural Assam due to geographical isolation, social stigma, limited medical infrastructure, and low health literacy.

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				<p>Matri Bandhan is a mobile and IoT-enabled solution designed to bridge this gap by offering private, accessible, and culturally sensitive reproductive health services to women and disease control in remote villages.</p> <p>The Matri Bandhan mobile app delivers multilingual (Assamese, Bodo, etc.) audio-visual health education, menstrual and pregnancy tracking, Disease Control and AI-powered anonymous chat support. It also enables low-bandwidth 5G-powered teleconsultations with certified female health professionals under Home-Based Care for Young Child Programme (HBYC) was launched in 2018 as part of National Health Mission and POSHAN Abhiyan.</p> <p>Local ASHA workers and SHG members will be equipped with connected IoT health kits to monitor vitals and upload data for remote analysis, enabling timely medical interventions. Offline functionality ensures access even in low-connectivity areas, while the platform incentivizes local SHGs to become health ambassadors, amplifying community impact. Matri Bandhan aims to empower ASHA workers and rural Assam women with knowledge, reduce maternal and reproductive health risks, and foster trust in digital health solutions through grassroots involvement. By combining digital innovation with local engagement, Matri Bandhan will contribute to healthier communities and promote gender equity in healthcare access</p>

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				across rural Assam.
13	Kisan Rover	Ramdhan Lodha	Agriculture	<p>Kisan Rover is India's first solar-electric hybrid, multi-functional agricultural machine designed specifically for small and marginal farmers. Conceptualized and developed by innovator Ramdhan Lodha, Kisan Rover addresses the core challenges of rising input costs, limited access to machinery, and the health risks associated with chemical spraying in agriculture.</p> <p>The machine performs multiple essential tasks—such as spraying, seed sowing, weeding, soil levelling, ploughing, and bed formation—in a single device. It operates using clean solar energy with electric backup, making it eco-friendly and cost-effective. Unlike conventional machines that cost ₹1–10 lakhs, Kisan Rover is priced at just ₹25,000–₹30,000, making advanced agri-tech accessible to farmers with less than 5 acres of land.</p> <p>The innovation includes AI-based plant detection and targeted spraying systems to reduce chemical usage and minimize farmer exposure. Under Ramdhan's leadership, Kisan Rover has won several national awards and received grants from Samsung India, Scaler, Mercedes-Benz Research & Development India, and the Network for Global Innovation (USA).</p> <p>Kisan Rover is currently undergoing pilot testing with production readiness and has already received pre-orders. It aims to revolutionize sustainable farming across India and other developing countries by empowering the backbone of agriculture—smallholder farmers.</p>

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14	TERO	Rahul Singh	Healthcare	<p>TERO (Triage and Emergency Routing Optimization) is an AI-driven solution designed to revolutionize emergency medical transport by shifting the focus from proximity-based routing to capability-based triage and transport. In India, a significant percentage of critically ill patients face delays or inappropriate care because they are first taken to the nearest hospital, regardless of whether that facility is equipped to handle their specific condition. TERO addresses this gap with a real-time, intelligent system that empowers paramedics and hospitals to make data-driven routing decisions.</p> <p>TERO comprises three core innovations: Voice-to-Vitals, which uses voice recognition to capture and convert paramedic assessments into structured data; AI Clinical Assessment, which analyses patient data to identify probable conditions and care requirements; and the AMPP Algorithm (Adaptive Multi-Parameter Prioritizations), which matches patients to the best-suited hospital based on their clinical needs, facility capabilities, availability, and travel time.</p> <p>The system also ensures hospitals receive early alerts, patient condition summaries, and preparation guidelines—transforming the entire emergency care continuum. With scalable architecture, real-time syncing, and offline capabilities, TERO is ready for both urban and rural deployments. It's not just about saving minutes—it's about saving lives. We envision a future where every critical</p>

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				patient reaches the right care, the first time.
15	TECHIE TACOS	M MAHITHA	Healthcare	<p>The proposed project is an AI-based Fall Detection and Alert System designed to safeguard elderly individuals, especially those living alone or with limited supervision. Falls are a major health risk for senior citizens and timely intervention can save lives and reduce long-term health issues. This system uses a compact wearable device embedded with motion sensors like an accelerometer and gyroscope to monitor body movements in real-time. When a fall is detected based on sudden shifts in movement and orientation, the system processes the data using machine learning algorithms to avoid false alarms. If confirmed, it immediately sends an alert to pre-registered emergency contacts via SMS or a mobile app. The alert includes the location of the fall using GPS, and optionally, health data such as heart rate. The system also offers an intuitive website for caregivers to monitor activity history, configure alert settings, and receive real-time notifications. It is lightweight, non-intrusive, and energy-efficient, ensuring comfort and reliability for daily use.</p>
16	GOMI INSPECTIONS	THODUPUNURI GIRISH KUMAR	IoT for Oil & Gas	<p>The Smart Garbage Monitoring System is an IoT-based project that uses LoRaWAN technology to track environmental conditions in garbage bins. It consists of a transmitter unit with an Arduino Mega connected to a DFRobot Fermion CH4 sensor for methane detection and a BME280 sensor for temperature, humidity, and pressure. Data is sent wirelessly through HC-12 modules to a receiver unit with an ESP8266, which uploads it to the ThingSpeak cloud for real-time monitoring. Based on methane levels, the</p>

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				system activates a 5V relay and LEDs to trigger alerts or control external devices. This solution helps reduce manual monitoring, enhances safety by detecting harmful gas emissions early, and supports smarter, eco-friendly waste management.
17	Drone Solutions	Logesh M	Agriculture	The agricultural sector in the North Eastern region of India faces significant challenges due to unpredictable weather, natural disasters, and delays in crop damage compensation, often taking 3 to 4 months. This solution leverages drones with high-resolution cameras and AI-powered algorithms to assess crop damage in real-time. The drone images are analyzed to generate accurate damage reports, which are geo-tagged and uploaded to a centralized government portal linked to farmers' land records. By automating the damage assessment and reporting process, manual inspections are eliminated, speeding up claim processing. Farmers can track the status of their claims through an app or web portal, while government authorities can digitally verify and approve compensation. This integration reduces the compensation timeline to just a few days, ensuring faster financial relief. The platform is designed to empower women, youth, and self-help groups, providing accessible technology to improve the efficiency of the subsidy process and seamlessly integrating with existing government schemes for timely fund disbursement.
18	Oxytech	Janani V	Healthcare	A patient monitoring system uses sensors to track vital signs like oxygen saturation (SpO2) and heart rate. Data is transmitted to a Raspberry Pi and then to the cloud for storage and analysis. Patient history of documents such as x-rays, prescriptions are

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				<p>stored in database for treatment recommendations using AI/ML/NLP. The system has manual/ automatic(using edge computing in raspberry pi) control using app/web by adjusting the oxygen flow based on SpO2 levels and sends emergency notifications if critical thresholds are reached. Caregivers can access data, receive alerts, and control oxygen flow remotely through a mobile app or web dashboard in hospital wards. The system integrates with emergency services for rapid response to ambulance and healthcare providers.</p>
19	Green Wheels	Ashish Kumar Singh	Agriculture	<p>Green Wheels is an advanced, fully automated hydroponic farming system engineered to deliver high-yield, low-maintenance food production in compact urban spaces. Designed as a smart, mobile solution, it integrates real-time sensor arrays—including pH, TDS, electrical conductivity, humidity, temperature, and dissolved oxygen—controlled by microcontrollers (Raspberry Pi Pico and ESP32) to create an optimized plant growth environment.</p> <p>The system features a modular, corrosion-resistant steel frame supporting a multi-layer Nutrient Film Technique (NFT) structure. It includes nutrient reservoirs with oxygenation systems, silent peristaltic pumps, and precision valves for automated water and mineral delivery. The pumps operate based on programmed cycles to maintain ideal moisture and nutrient levels while minimizing energy and water use.</p>

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				<p>Energy-efficient full-spectrum LED grow lights (450–730 nm) simulate natural sunlight, controlled via PWM drivers to adjust intensity according to the plant’s growth stage. A solar-powered energy system with battery backup ensures uninterrupted operation, even during power outages.</p> <p>All data from the system—such as pH, TDS, fluid levels, and light status—is transmitted to a user-friendly mobile application, allowing remote monitoring and control. The app provides live updates, growth tracking, and customization of plant schedules.</p> <p>Green Wheels blends IoT, automation, and sustainable engineering into a next-gen solution for smart, self-reliant urban farming.</p>
20	RandomBytes	Siddhi P Bhatt	Healthcare	<p>EkoCare: Smart Healthcare for Remote Empowerment</p> <p>Team RandomBytes proposes EkoCare, a next-gen healthcare platform designed to serve remote communities in the North East, especially focusing on women, youth, and Self-Help Groups (SHGs). EkoCare leverages 5G technology, AI, and blockchain to bridge healthcare access gaps through a secure, intelligent, and mobile-friendly ecosystem.</p> <p>EkoCare features AI-powered queue management, telemedicine, and a Smart SOS system to enable real-time care delivery, especially critical in hilly, underserved regions. Blockchain-backed</p>

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				<p>medical records ensure data security and ownership—empowering women and youth to take charge of their health. The platform offers multilingual support, wearable integration, and a doctor/pharmacy locator to assist even the most remote users.</p> <p>With a gamified wellness app and AI-driven personalized health plans, EkoCare encourages preventive care and continuous engagement, supporting SHGs to run local health camps or act as digital care ambassadors.</p> <p>Our goal is to set up a regional 5G lab camp in the North East, co-developing localized features and training rural women and youth to become digital health facilitators. EkoCare is more than tech—it's a healthcare revolution designed for inclusive, last-mile impact.</p>
21	SVR	Akhil Vuppala	IoT for Oil & Gas	<p>SVR is an AI-powered vehicle tracking and safety solution that goes beyond traditional GPS systems. Unlike services like Zoomcar which focus only on car tracking, SVR delivers a smart, tamper-proof tracking system for all types of vehicles—cars, bikes, trucks, and even small boats. Our mission is to enhance road safety and asset security for every vehicle owner, while also supporting fleet management and logistics.</p> <p>SVR stands out with features like real-time tracking, geo-fencing, remote engine immobilization, and AI-based theft/crash detection. In the event of an accident, SVR acts like a vehicle black</p>

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				<p>box—instantly alerting emergency contacts and dispatching help if no response is received. The device is professionally installed to prevent tampering, with anti-theft alerts built in.</p> <p>Our B2C2C model enables not just direct sales but also empowers users to refer others, creating a chain of trust and utility. With installation costs of ₹1K–₹2K and annual subscriptions starting at ₹300, SVR is accessible and scalable. The system can integrate with insurance companies to lower premiums and support government fleet monitoring initiatives. SVR isn't just a tracker—it's your AI-powered vehicle guardian.</p> <p>Let me know if you'd like a version tailored for investors or a competition sub</p>
22	Aghizu go	Vishnu	Healthcare	<p>A portable telehealth diagnostic suitcase designed for remote areas in Northeast India.</p> <p>Provides basic diagnostic tools, emergency medicines, and telemedicine connectivity.</p> <p>Helps in early disease detection, teleconsultation, and treatment guidance.</p> <p>Designed for hilly and rural regions with poor healthcare access.</p>
23	CodeCoffee	Bhagyashri Heeralal Meena	Healthcare	<p>EpiPulse+ – Early Warning & Health Response System</p> <p>North East India faces recurring outbreaks of vector-borne and water-borne diseases such as malaria, dengue, and cholera, worsened by delayed detection and lack of infrastructure.</p>

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				<p>EpiPulse+ is a tech-powered, community-centered health response platform that combines AI, IoT, 5G, and grassroots participation to solve this challenge.</p> <p>Villagers can report symptoms using basic phones via IVR/SMS in their local language. These reports, along with real-time data from water-quality sensors in ponds and rivers (pH, turbidity, TDS), are analyzed using an AI clustering engine to detect disease hotspots early. Health officers and Self-Help Groups receive alerts on a real-time dashboard. A GPS- and MQTT-based system ensures ambulances are dispatched within 10 minutes of confirmed cases.</p> <p>What sets EpiPulse+ apart is its community empowerment model—training youth and SHG women to maintain sensors, conduct surveys, and verify reports, creating local jobs and ensuring system sustainability. The system is modular, offline-capable, and built to scale.</p> <p>With EpiPulse+, we aim to cut outbreak detection time by 90%, ensure life-saving response within minutes, and empower rural communities to lead health innovation from the frontlines.</p>
24	theClueCrew	Aman Abhik	Healthcare	<p>RailMed: Life-Saving Healthcare on Rails: Over 2 crore passengers travel by train in India daily, yet access to timely medical care during emergencies remains a major challenge. RailMed is a comprehensive healthtech platform</p>

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				<p>designed to deliver emergency healthcare solutions onboard Indian Railways—turning trains into lifelines. RailMed brings together the power of AI, IoT, and 5G connectivity to offer:</p> <ol style="list-style-type: none"> 1.PNR-Based Doctor Mapping – Automatically identifies and notifies doctors onboard in real-time. 2.On-Seat Medicine Delivery – Coordinates with pharmacies at upcoming stations for swift medical delivery. 3.Emergency Services – Enables advance ambulance booking and hospital intimation. 4.Telemedicine – Offers remote video consultation with certified doctors. 5.AI Symptom Analyzer – Assesses passenger symptoms to prioritize critical cases. 6.Offline First Aid Guide – Provides essential medical instructions without internet. 7.Specialized First Aid Kit – Compact kits onboard with essential medical tools and instructions. <p>With a working prototype and proven support from industry leaders, RailMed is ready to make an impact across India— including remote regions like the North East, where access to healthcare is often delayed. By engaging women, youth, and SHGs for local outreach, RailMed aims to build a healthier, more responsive travel experience for every passenger.</p>
25	JALRAAJ	Akash Gupta	Healthcare	Introducing JALRAAJ – a compact, efficient, advanced, and affordable water purification system designed to meet modern

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				<p>needs of potable water. We provide assurity and trust to customers in terms of pure water. We offer:</p> <p>Powered by Advanced Technology: A system which uses a cutting-edge Membrane-Based Thermal Distillation Module integrated with a Bimolecular Filter for exceptional water purification. This module can handle TDS (Total Dissolved Solids) in range between 8000-25000 PPM. High Purification Rate: Capable of purifying 6-25 liter of water per hour depending on the size of module. Versatile Functionality: It can purify both sea water (Which have tons of impurities) and tap water.</p> <p>Unique Manual Dosing System: We offer a unique manual mineral dosing system which allow user to change and adjust TDS of water every time they want supply from the system. By this system user can adjust the TDS in a range of 0-250 PPM which is maximum consumable TDS suggested by government.</p> <p>Minimal Water Wastage: Reduces water wastage by 98% compared to traditional Reverse Osmosis (RO) systems. Smart Monitoring: Equipped with inbuilt sensors in the storage tank to check water quality, displayed on an easy-to-read LCD screen.</p> <p>Variety: We offer three variant (Domestic, Industrial and Transportable) to serve various categories according to their need. Solar Power Integration: Can leverage solar power to boost efficiency and sustainability. By delivering this innovation, JALRAAJ aligns with Sustainable Development Goal 6 (Clean Water and Sanitation), providing an impactful solution to global water purification challenges.</p>

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26	AvionX Aerospace	Md Sohail Irfan	Healthcare	<p>Access to timely healthcare remains a critical issue in Northeast India due to challenging geography, poor road connectivity, and frequent disruptions during monsoons. AvionX NRVANA is an indigenous, AI-powered Unmanned Aerial Vehicle (UAV) solution designed to bridge this gap by delivering essential medicines, vaccines, and samples autonomously to remote and hilly areas. Featuring a hybrid VTOL design, NRVANA ensures vertical take-off and landing in rugged terrain, while Agentic AI enables real-time route planning, weather adaptation, and obstacle avoidance.</p> <p>With 5G-encrypted communication, live telemetry, and fallback to alternative bands in low-connectivity zones, NRVANA is both future-ready and reliable. A single drone can cover up to 250 km, drastically reducing delivery times from hours to minutes. Designed using lightweight carbon composites and 3D-printed components, it offers low-cost, scalable deployment for healthcare missions.</p> <p>Integrated with the Trinetra ground control station, NRVANA supports multi-drone swarm operations, allowing synchronized deliveries across multiple villages. This model ensures consistent medical supply chains and enables last-mile healthcare access in alignment with SDG 3 (Good Health & Well-being) and SDG 9 (Industry, Innovation & Infrastructure). Proudly designed and manufactured in India, NRVANA exemplifies self-reliance and innovation for social impact.</p>

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27	INNOVATE_X	Pavithra B	Animal Husbandry	<p>Title: SPES+ – Smart Poultry & Livestock Empowerment System for NE India (Powered by 5G)</p> <p>The poultry and livestock sectors in North East India face critical issues such as frequent disease outbreaks, inadequate vaccine monitoring, water contamination, and pipeline blockages. These problems are worsened by the lack of real-time monitoring in remote and tribal regions, disproportionately affecting women, youth, and Self-Help Groups (SHGs) who play a vital role in animal husbandry.</p> <p>SPES+ is a 5G-powered smart farm management system designed to address these challenges through the integration of IoT sensors, RFID tags, edge AI, and mobile dashboards. It offers real-time monitoring of air and water quality, vaccine schedules, ammonia levels, and farm zone moisture mapping. The system uses predictive analytics and automated alerts to enable early disease detection, rapid response, and sustainable farm operations.</p> <p>Built with inclusivity at its core, SPES+ features multilingual interfaces, voice-enabled commands, and tailored training modules to empower rural communities. It supports SHGs and youth-led entrepreneurship and is scalable to other sectors such as aquaculture and crop farming. Aligned with government initiatives like PMMSY and NADCP, SPES+ leverages the speed and</p>

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				reach of 5G to create a connected, resilient, and tech-driven livestock ecosystem across North East India.
28	IoT-Based Water Monitoring	Purnendu	Healthcare	This project focuses on developing an IoT-based smart water quality monitoring system that integrates various sensors such as pH, turbidity, temperature, TDS, and flow sensors to assess water quality in real time. The system is controlled by ESP32 and Raspberry Pi, which collects and processes sensor data. The data is then transmitted to the cloud via Wi-Fi, GSM, or other communication technologies, allowing users to access real-time information through a mobile app or web dashboard. Currently, we are working on communicating our module using an Amtron 5G modem in collaboration with Amantya for enhanced connectivity and performance. This system will be particularly beneficial for rural areas, Government sector, Private sector ensuring safe drinking water and preventing waterborne diseases. It also has applications in municipal water supply monitoring, reducing contamination risks and improving public health.
29	CULERS	Chahak Srivastava	Healthcare	In today's fast-paced and increasingly digital world, the need for timely, accurate, and personalized assistance has never been greater. Rising to meet this challenge is our cutting-edge, AI-powered chatbot—a revolutionary solution designed with both technological sophistication and a strong user-centric philosophy. This intelligent assistant is not just a tool; it's a comprehensive support system capable of addressing a wide array of needs for individuals, healthcare providers, and organizations alike.

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				<p>Built with versatility in mind, the chatbot seamlessly delivers support across multiple domains, making it a valuable asset in both personal and professional settings. For those navigating the often overwhelming landscape of healthcare, the chatbot acts as a reliable companion—offering evidence-based insights, guiding users through symptoms, and providing direction on when and where to seek professional care.</p> <p>Beyond general medical guidance, it distinguishes itself with its ability to offer deeply personalized wellness experiences. Users can receive tailored nutrition advice, curated meal plans, and dietary recommendations that align with their specific health goals, preferences, and even medical conditions. Whether you're aiming to manage a chronic illness, lose weight, boost energy levels, or simply eat healthier, the chatbot's adaptive algorithms ensure that the guidance provided is both relevant and actionable.</p> <p>This holistic, intelligent, and always-available assistant not only empowers users to make informed health decisions but also enhances overall well-being—transforming the way we interact with healthcare and lifestyle management tools.</p>
30	BISUDDHA	JAYDEEP SAHA	Agriculture	<p>Empowering North East India – A Sustainable Development Initiative by Bisuddha Enterprises Pvt. Ltd.</p> <p>Bisuddha Enterprises Pvt. Ltd. envisions a transformative initiative aimed at addressing key developmental challenges in the North</p>

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				<p>Eastern Region (NER) of India. Our approach integrates livelihood generation, women empowerment, skill development, and sustainable local entrepreneurship to create lasting impact.</p> <p>We propose the launch of the “NER Rising” program—focused on empowering tribal and marginalized communities through training in organic farming, eco-friendly handicrafts, digital literacy, and sustainable tourism. Special focus will be given to women and youth, providing them with skills and micro-finance support to launch local enterprises.</p> <p>We will partner with local NGOs, self-help groups, and educational institutions to ensure grassroots reach and culturally sensitive implementation. Digital platforms will be used to market products nationwide under a common “NER Made” brand.</p> <p>Our goals are aligned with the vision of inclusive growth and Atmanirbhar Bharat, ensuring that economic empowerment goes hand-in-hand with cultural preservation and environmental sustainability.</p> <p>Bisuddha Enterprises is committed to being a catalyst of change in the NER, turning its challenges into opportunities for a brighter, self-sustained future.</p>
31	WeBuild-325	Siddhant Gond	Healthcare	<p>We suggest an AI-driven wearable patch system for cardiovascular health monitoring in rural Northeast Indian adults between 45–70 years of age. The patch acquires ECG, SpO₂, and heart rate measurements, with estimated blood pressure based on heart rate variability (HRV). Multiple patches transmit to a</p>

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				central NFC-based hub with offline sync data storage. Supervised algorithms (1D-CNN, XGBoost) process vitals and demographics; unsupervised algorithms identify outliers. The system comes up with an Urgency Score to alert for risks and warn caregivers. Data can be retrieved by ASHA workers using NFC even in poor-connectivity environments. The phone employs low-power, SAR-conformant Zigbee modules as well as skin-friendly TPU to provide security for extended duration usage. Training models using public datasets, testing in rural setups, and merging with PHCs are part of implementation. This solution facilitates the early detection of CVD and enhances rural health access, meeting the objectives of the NER Tech Hackathon.
32		Rahul Sutradhar	Healthcare	<p>In critical medical emergencies, every second counts. However, traffic congestion often delays ambulance response times, leading to preventable fatalities. Our solution leverages AI and real-time traffic data to optimize emergency routes, ensuring faster healthcare access.</p> <p>We propose a smart navigation system that integrates with Google Maps API, crowdsourced data, and IoT-enabled smart signals. The AI model will analyze real-time traffic conditions, predict congestion patterns, and suggest the quickest route for ambulances. Additionally, it can send automatic alerts to traffic signals and nearby vehicles, prioritizing emergency movement.</p>
33	OncoALERT	Jayanti Kumari	Healthcare	In Assam, oral cancer claims a life every hour. With an incidence rate of 23.2 per 100,000 males – triple the national average – the Northeast faces a silent epidemic that devastates communities.

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				<p>Why? Because the current screening method, detection by naked eyes only, is a coin flip – 50% accuracy means thousands of treatable cancers go undetected until it's too late.</p> <p>OncoALERT changes everything. Our AI-powered, 5G-connected patented platform detects oral cancer with 92% accuracy in minutes, transforming a death sentence into a treatable condition. No labs. No specialists. No delay.</p> <p>Our target? 55 crore Indians above 30 years and the 26.7 crore tobacco users at 42× higher risk. Our α-prototype, developed with IITM and AIIMS Delhi, is about to be rolled out to 500 people pilot screening with Dr. Ravi Kannan in Cachar's most remote villages. Backed by international recognition from MSF and Indo-Canada programs, we're not just building technology – we're crafting a lifeline for the Northeast's most vulnerable & underserved.</p> <p>When deployed across all eight northeastern states, with NERCORMS, Amantya & NE Government's support, OncoALERT won't just detect cancer – it will preserve families, protect livelihoods, and reclaim futures that would otherwise be lost.</p> <p>Join us. Transform detection. Save lives.</p>
34	AkumenAI	Thiyam Akuvan	Healthcare	<p>Akumen AI is a deep-tech startup focused on building indigenous assistive technologies for the visually impaired, elderly, and individuals with developmental or neurological disabilities. Our flagship innovation, INSIGHTS, is a wearable AI-powered smart glasses solution integrated with a standalone mobile app. The device combines real-time computer vision, edge AI, and multilingual natural language processing to offer contextual</p>

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				<p>awareness, object detection, obstacle avoidance (via LiDAR), text recognition (OCR), currency identification, and intelligent scene descriptions.</p> <p>Akumen AI bridges the accessibility gap with a “Make in India” approach, ensuring affordability, ergonomic design for Indian users, and robust offline capabilities suitable for rural areas. The INSIGHTS system has been showcased to Prime Minister Narendra Modi and awarded by national and international platforms including NCPEDP and Meta at the GPAI Summit.</p> <p>Our mission is to redefine inclusivity using cutting-edge, locally manufactured AI hardware, creating scalable, socially impactful solutions. We are actively seeking strategic partners and funding to scale production, ensure medical compliance, and expand our reach to millions of underserved individuals across India and globally.</p>
35	X-Bots	Ranjith S	Healthcare	<p>Concept Note: Portable Module to Convert Manual Wheelchair into a Semi-Autonomous Wheelchair</p> <p>This project introduces a portable assistive technology module designed to upgrade a conventional manual wheelchair into a semi-autonomous smart wheelchair. The core idea is to provide enhanced mobility, control, and safety to users who may not have the physical ability to operate a manual wheelchair independently.</p> <p>The system features modular hardware that can be easily attached or removed, making it adaptable to various wheelchair</p>

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				<p>models. It is controlled via a wireless joystick or voice commands, catering to different levels of physical ability. The joystick can be placed anywhere on the wheelchair for user convenience, while voice control allows hands-free operation for users with limited or no arm mobility.</p> <p>Equipped with obstacle detection sensors, the system intelligently avoids collisions and prevents falls, ensuring user safety during navigation. A compact embedded control system processes commands and integrates all components, providing a smooth and responsive experience.</p> <p>The innovation stands out for its portability, affordability, and ease of integration, aiming to empower individuals with greater independence, improved mobility, and enhanced quality of life—without the need to replace their existing wheelchair.</p>
36	Pashu Bandhu	Adithya Naik	Animal Husbandry	<p>In Northeast India, milk production has dropped by 15% due to a lack of quality fodder, limited access to veterinary care, and unfair milk pricing. Ironically, states like Punjab, Haryana, and Uttar Pradesh burn crop residue – which is a valuable animal fodder – causing severe pollution in Delhi. At the same time, nearly 70% of trucks in India return empty after deliveries.</p> <p>To connect these dots, we built PashuBandhu. Through our app, truck drivers returning empty from northern states can register and fill their trucks with surplus fodder. This fodder is purchased by</p>

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				<p>Self Help Groups (SHGs) and sold to farmers at highly affordable prices.</p> <p>Our second feature is a bilingual, voice-enabled veterinary chatbot that supports regional NER languages – allowing farmers to access expert animal care easily for free and can also contact veterinary doctor which is paid .</p> <p>Finally, we purchase excess milk directly from farmers at fair prices and sell it to dairy companies via cold-chain logistics. This ensures both farmer income and our platform’s profits .</p> <p>So our app is a complete solution to solve the milk production problem in north east regions.</p>
37	Infinite loop	Tanzeem	Agriculture	<p>Automated Pesticide Sprayer and Early Disease Detection Using Raspberry Pi and ML</p> <p>The proposed system introduces an innovative, smart agriculture solution that integrates automation and machine learning for efficient pesticide spraying and early plant disease detection. Leveraging Raspberry Pi, Arduino, and multiple sensors, the prototype identifies plant health through symptom-based ML algorithms and autonomously sprays pesticides based on the plant type and detected need.</p> <p>Current agricultural practices for pest control and disease management are labor-intensive, time-consuming, and often</p>

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				<p>inaccurate, leading to crop damage and financial loss. This project addresses these issues by developing a self-operating robot capable of detecting plant health conditions, spraying pesticides precisely, and mapping field data for further analysis. Key components include a Raspberry Pi controller, ultrasonic sensors, camera modules, TCS230 color sensors, and motor drivers for accurate movement and pesticide dispersal. The machine processes real-time image data, detects abnormalities using a trained ML model, and initiates pesticide spraying through automated controls.</p> <p>Applications range from precision agriculture to future integration with drone technology for large-scale operations. The expected outcome is a reliable, scalable prototype that minimizes manual labor, reduces chemical waste, and ensures timely disease intervention—ultimately enhancing crop yield and sustainability.</p>
38	LGTM	Rudraksha Singh Sengar	Healthcare	<p>In the North East, pregnant women in remote areas face limited healthcare access, contributing to high maternal and infant mortality rates. Our solution is a low-cost IoT wearable device to monitor maternal health, empowering women, youth, and Self-Help Groups (SHGs) under the NER Tech Hackathon 2.0. The device uses a MAX30102 pulse sensor and DS18B20 temperature sensor, connected to an ESP32 microcontroller, to track heart rate and temperature. Data is transmitted via Wi-Fi/Bluetooth to a mobile app (built with Blynk) for real-time monitoring by SHG coordinators. If vitals exceed safe thresholds (e.g., heart rate > 100 bpm), an SMS alert is sent to ASHA workers via a SIM800L GSM</p>

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				<p>module. SHGs manage community outreach, while youth are trained to assemble and distribute devices, fostering tech skills. This solution is innovative for its focus on maternal health, affordability (~\$15–\$20), and regional relevance, addressing North East’s connectivity challenges with offline alerts. By reducing healthcare access barriers and empowering communities, it aligns with the hackathon’s goals of sustainable, inclusive innovation.</p>
39	MISD Automation	Sanjeev M	Agriculture	<p>This product suggests a hybrid aerial sensing system integrating low-cost fixed-wing aerial vehicles and biomimetic ornithopters to assist precision agriculture over varied terrain and altitudes. The fixed-wing aerial vehicles provide wide-area, long-endurance, and high-altitude capabilities suitable for high-altitude monitoring and multispectral and thermal imaging-based crop health monitoring at low disturbance. It has 5G LTE for cloud communication and networking. Ornithopters, mimicking bird flight, offer stealthy and low-altitude surveillance for intranode crop inspection, livestock monitoring, and intrusion detection with minimal disturbance to the environment.</p> <p>The system utilizes modular sensor payloads such as NDVI, thermal, and environmental sensors to enable real-time data capture for irrigation management, disease identification, and field mapping. Powered by high-efficiency propulsion systems and, where necessary, solar power, the aerial vehicles are designed for long flight durations and autonomous flight.</p> <p>This affordable, dual-platform methodology tackles major hurdles</p>

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				<p>for precision agriculture—access constraints to high-tech equipment, costly monitoring systems, and environmental sensitivity—while allowing scalable, intelligent farming. The system is also flexible for use in rural security, wildlife tracking, and disaster relief systems.</p> <p>By combining nature-inspired robots and low-cost autonomous vehicles, this solution increases crop yields, minimizes operating expenses, and enables sustainable, technology-based farming. By this we can increase the yield of every small scale farmers up to minimum of 30 % up to 80% maximum.</p>
40	Skibidiboo	Megha prasad	Animal Husbandry	<p>In northeastern India, cows and sheep are very important for people's jobs in the countryside. But there aren't enough animal doctors there. Many villages far away don't have quick access to vet care. This means animal sicknesses are found late, and problems during birth happen, causing animals to die and farmers to lose money.</p> <p>This plan is to make a system that finds problems early using sensors that animals wear and phone alerts. It will watch things like temperature, how much they move, and if they seem worried – all signs of sickness or when they're about to give birth. The system sends this information to farmers' phones right away, so they get warnings and can act fast, like getting a vet.</p> <p>Finding diseases early can make treatment cheaper and help animals feel better. Also, knowing exactly when an animal will give birth lets farmers get ready to help, which means fewer baby animals and mothers die. This system helps farmers take better</p>

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				care of their animals, which leads to more food and less waste, making sure there's enough food in the area.
41	TechAZsure	Shaik Althaf	Agriculture	<p>Farmers in India's North-East region face challenges including remote terrain, limited access to modern technology, and insufficient market connectivity. Our proposed solution addresses these issues through the deployment of Smart Agri Rovers and a unified AI-powered mobile/web application tailored for the region. The rover, embedded with IoT sensors, autonomously navigates the farmland to monitor key agricultural parameters such as soil health, crop growth, temperature, humidity, and pest detection in real-time. This data is instantly transmitted to the application, where it is analyzed using machine learning algorithms to provide actionable insights. Farmers receive crop health alerts, personalized crop recommendations, and demand forecasts directly on their phones in their native language.</p> <p>The platform also integrates features for market linkage, dealer connections, order tracking, IoT device monitoring, government schemes access, and funding support, creating a complete agricultural support system.</p> <p>Our goal is to empower farmers with data-driven decisions, improve productivity, and ensure economic stability. This scalable model not only addresses local needs but also aligns with national agricultural modernization goals. By merging robotics, AI, and financial inclusion, our solution is set to transform agri-practices and uplift livelihoods in the underserved regions of India.</p>
42	codecrew	Arya Anand	Agriculture	Problem:

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		Pathak		<p>The mithun, a semi-wild bovine revered in Northeast India, is vanishing due to illegal cross-border smuggling, disease outbreaks, and unrecorded ownership transfers. Each animal is worth ₹1-2 lakh, making it a prime target for trafficking to Myanmar and China. Meanwhile, tribal farmers lack proof of ownership, preventing access to loans and insurance.</p> <p>Our Idea:</p> <p>“MithunGuard” is an IoT-enabled decentralized real-time tracking and verification system combining LoRaWAN-connected smart collars and Hyperledger-based ownership ledgers, GPS tracking, biometric IDs, and edge AI for indigenous bovine conservation.</p> <p>Here is how we solve the problem :</p> <p>Smart GPS Collars (Anti-Smuggling & Health Tracking) Solar-powered, rugged collars track mithuns in real-time. Geofencing alerts notify authorities if animals near international borders.</p> <p>Health sensors monitor body temperature, movement, and grazing patterns to detect early signs of disease.</p> <p>Blockchain-Based Ownership & Trade Ledger Digital "Mithun ID" (QR-coded ear tag) stores: Biometric-linked ownership records. Vaccination & medical history (verified by govt vets). Legal sale/purchase transactions.</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>Tamper-proof & transparent, eliminating fraud and disputes.</p> <p>AI-Driven Disease Prevention Movement analytics flag lethargy or abnormal behavior (early infection signs). Automated SMS alerts to veterinarians and farmers for rapid response.</p> <p>Financial & Legal Empowerment Collateral for loans - Banks accept blockchain records as proof of ownership. Insurance integration - Automated claims if a mithun is lost/stolen.</p> <p>Why It Works: Directly addresses trafficking, a major issue in Arunachal/Nagaland. Prevents mass livestock deaths by catching diseases early. Empowers tribal communities by turning mithuns into bankable assets. Low-maintenance & scalable - farmers only need basic tech training.</p>
43	SPARK WIT	ABE ROSHAN M	Healthcare	<p>The Smart Pill Dispenser is an IoT-enabled solution designed to ensure timely medication intake and improve treatment adherence, especially for the elderly, chronically ill, or memory-impaired individuals. The system consists of a Wi-Fi-connected ESP32 microcontroller that controls a stepper motor, OLED display, buzzer, LED, and IR sensor. Patients or caregivers use a web</p>

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				<p>application to enter and manage medication schedules, which are transmitted to the dispenser via the internet.</p> <p>At each scheduled time, the dispenser rotates the pill tray to the appropriate slot, alerts the patient with sound and light, and waits for the pill to be taken. If the IR sensor detects no hand movement within 3 minutes, the system logs a missed dose in a secure SQL database and sends an SMS alert via Twilio to caregivers. The web portal allows remote monitoring, schedule updates, and secure login for doctors and family members.</p> <p>Additionally, AI integration enables predictive analytics for adherence patterns, personalized alerts, and future healthcare insights. The project addresses a growing market need in home healthcare, with strong potential for commercial and clinical applications, aiming to enhance patient autonomy and reduce the burden on healthcare systems.</p>
44	AgentHive	Harshith C S	IoT for Oil & Gas	<p>AgentHive is a hybrid AI workforce ecosystem designed to redefine automation and AI-driven collaboration within businesses. It enables organizations to design, deploy, and manage AI teams that autonomously execute workflows and tasks across industries. The system integrates a centralized core for secure operations and a decentralized layer for cross-platform AI agent collaboration and marketplace-based AI interactions.</p> <p>Core Concept</p> <p>Centralized Core System: Designed for mission-critical, secure business operations.</p> <p>Agent Design Studio: Build custom AI teams for specific business</p>

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				<p>tasks.</p> <p>Workflow Creation & Task Management: Design workflows and assign tasks to AI agents for seamless automation.</p> <p>Prebuilt and Custom AI Agents: Choose from ready-to-use agents or train agents using local business data for domain-specific needs.</p> <p>Decentralized Collaboration Layer: Enhances interoperability and autonomy.</p>
45	Triple A	Ansh Singh	IoT for Oil & Gas	<p>This site will be a portal for end-to-end IoT solutions that aim to increase safety, efficiency, and community welfare in far-flung oil and gas operations. It will integrate two major features:</p> <p>Remote Wellhead Monitoring & Response: An IoT solution based on low-power sensors, 5G, and AI for real-time monitoring of vital wellhead parameters. The system identifies anomalies, initiates autonomous responses (e.g., valve closures), and sends drones for inspection.</p> <p>5G-Enabled Drone Pipeline Integrity: An autonomous pipeline inspection drone swarm system, utilizing 5G, for detecting leaks, corrosion, and unauthorized entry.</p> <p>A key feature is a public alert system, integrated in both features, which alerts nearby communities of impending hazards through SMS, a mobile application, and local sirens, allowing prompt action.</p> <p>The site will addresses oil and gas operators, regulatory bodies, and neighboring communities. The site will enhance safety, minimize environmental risk, reduce downtime, and enhance</p>

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				openness, providing secure energy supply while protecting far-off communities.
46	Agri Pariksha	Pratirath Gupta	Agriculture	<p>Krishi Saathi is an integrated, AI-driven platform designed to empower smallholder farmers with data-backed insights and actionable recommendations. At its core are four tightly integrated modules: AI-Powered Crop Disease Detection, which uses an EfficientNet-based CNN to analyze leaf images and provide instant, eco-friendly treatment guidelines; a Fertilizer Usage Optimizer, leveraging soil-sensor data and LSTM forecasts to generate personalized nutrient schedules that reduce costs and environmental impact; Price Prediction & Market Linkage, combining XGBoost/LSTM ensembles with a conversational Groq Llama 3.1 8B chatbot to forecast commodity trends, connect farmers directly to buyers, and even suggest negotiation strategies; and a Mobile Diagnostics Portal, offering offline-first symptom reporting, community Q&A, and multilingual SMS/WhatsApp fallbacks to include low-connectivity regions.</p> <p>Built on a modern tech stack—React/Tailwind for web, Flutter for mobile, FastAPI microservices, PostgreSQL & FAISS for data storage, and Dockerized deployment on AWS—the platform ensures scalability, security, and ease of use. Role-based access (farmers, SHG admins, agronomists) and support for English and Hindi make it accessible and relevant. By consolidating fragmented tools into one “saathi” (companion), Krishi Saathi tackles yield losses, input cost overruns, and price volatility, driving a measurable uplift in productivity, income, and sustainability for</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				rural communities.
47	TechPulse	SIDDHARTH OJI	Agriculture	<p>KrishiGPT is an AI-based platform with the vision of revolutionizing agriculture in the Northeast region of India with hyperlocal, personalized agricultural advice. It is based on real-time weather patterns, soil condition, and market price fluctuations to help farmers make informed decisions about crop selection, resource allocation, and selling. The platform is designed offline-enabled to suit the low level of internet penetration in the region. It is also designed to be offered with multilingual support, including Assamese, Bodo, and Hindi, to suit the language needs of the farmers in the region.</p> <p>Backend technology stack consists of GPT-4 for providing personalized recommendations, Prophet for predicting market trends, and Flask to build a lean backend. Streamlit is being used for frontend interactive visualizations and Matplotlib for displaying weather patterns and market price trends. With the inclusion of external APIs such as OpenWeatherMap, SoilGrids, and AGMARKNET, KrishiGPT provides accurate and relevant data to farmers to enable decision-making. The product has the potential to empower farmers with actionable intelligence, enhance productivity, and support sustainable agriculture practices. KrishiGPT is committed to bridging the digital divide and fueling economic development by empowering farmers to maximize practices and boost revenue in a technologically enabled economy.</p>

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48	Project FLORA: Flight Based Linked Operations For Rapid Action	Priyanshi Kumawat	Agriculture	<p>Project FLORA (Flight-based Linked Operations for Rapid Action) is a next-generation drone solution designed to address the growing crisis of pollinator decline, especially in the fragile and floriculture-rich ecosystems of Northeast India. Leveraging swarm intelligence, biomimetic pollination arms, and AI-powered navigation, FLORA enables precision pollination in crops like orchids, lilies, and cardamom—especially in areas where bees and other natural pollinators are absent or ineffective due to climate or terrain.</p> <p>Built by Stellargen Technologies in collaboration with Radar Sniper, FLORA is modular, lightweight (~350g), and equipped with real-time environmental sensing capabilities. Beyond agriculture, it serves critical industrial use cases like gas leak detection in oil zones such as Digboi and Bongaigaon. Its dual-purpose design empowers both greenhouse floriculture and industrial safety, making it a transformative tool for autonomous, terrain-resilient operations.</p> <p>We aim to commercialize FLORA as a service, offering pollination-as-a-service (PaaS) in India and globally, starting with floriculture zones where natural pollination is no longer viable.</p> <p>To fuel innovation further, we will also offer affordable, skill-developing, and industry-curated innovation houses for students—empowering the next generation of drone innovators and ensuring more projects like FLORA flourish to meet India’s drone goals by 2030.</p>
49	Blockdevs	Prakhar Aditya	Agriculture	The North East region of India faces pressing healthcare issues—

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				<p>fragmented patient records, outdated procurement systems, delayed donor identification, and a rising threat of counterfeit medicines. In Guwahati, only 46% of critical medicines requested through the Government e-Marketplace were fulfilled, reflecting widespread inefficiencies. With many hospitals still using paper-based systems, patient data is often lost or inaccessible, delaying care. The lack of digital traceability fuels public distrust and endangers lives.</p> <p>CareChain is our proposed solution: a unified, blockchain-powered healthcare platform that brings transparency, security, and real-time responsiveness to the ecosystem. Built on Ethereum and IPFS, it enables fast and secure matching of blood and organ donors, tracks medical supplies end-to-end, and grants patients full control of their digital health records. Smart contracts ensure integrity, while medicine authenticity is guaranteed through transparent supply chain tracking from manufacturer to consumer—mitigating the risk of counterfeits. In remote areas where doctors are scarce, our built-in AI chatbot offers real-time medical assistance. With decentralized storage and role-based authentication, CareChain fosters trust among stakeholders while safeguarding sensitive data. By integrating blockchain, AI, and secure architecture, CareChain directly tackles the core healthcare challenges of the North East, making it a powerful, scalable solution for real-world impact.</p>
50	CropCrew	Asad Ali	Agriculture	Agrobot – Smart Farming Redefined

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>Agrobot is a multifunctional agricultural robot designed to automate essential farming tasks such as ploughing, pesticide and fertilizer spraying, weed cutting, and irrigation. Developed to address rising labor shortages, urbanization, and high operational costs in agriculture, it uses IoT technology for automation and remote control via a mobile app. Powered by solar energy, it promotes sustainable farming. The prototype comprises a microcontroller, sensors, actuators, and a wheel-based mobility system. It supports live footage streaming, obstacle avoidance, cloud connectivity, and includes safety features like emergency shutdown and collision detection.</p> <p>Feasibility & Challenges: Agrobot is a technically viable solution with mobile app and IoT integration. Solar energy ensures long-term savings, though performance may vary during low sunlight. Stability on uneven terrain and user training remain key considerations.</p> <p>Impact:</p> <ul style="list-style-type: none"> Economic: Costs around ₹1 Lakh, significantly cheaper than traditional tractors (₹4-7 Lakhs). Environmental: Solar-powered and eco-friendly. Efficiency: Improves productivity and crop quality. <p>Prototype Available: View Our Initial Prototype with below link – Already awarded two recognitions, and we aim to bring further upgrades to this model.</p> <p>Video: https://youtu.be/EoiZ76fCBSQ</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
51	Team NMIT	Kanish Kumar Singh	Healthcare	<p>Project Name: HealthLink NE – Bridging Healthcare Gaps in North East India</p> <p>HealthLink NE is an inclusive, tech-driven healthcare initiative designed to serve the remote and underserved regions of North East India. At its core is a smartband that continuously monitors vital signs—like heart rate, oxygen levels, and body temperature—while securely storing the user’s complete medical history. The smartband is solar-powered using thin-film photovoltaic panels, ensuring it stays charged even in areas with limited electricity access.</p> <p>This data syncs with a multilingual app and website, available in major regional languages such as Assamese, Khasi, and Mizo, making it accessible to elders and non-English speakers. The app offers intelligent analysis of prescriptions and lab reports, suggesting preventive care and locally available remedies rooted in traditional knowledge.</p> <p>Decentralized solar-powered Health Pods are installed in villages, enabling teleconsultations with certified doctors via video. These pods are managed by local women from Self-Help Groups (SHGs), creating jobs and community trust. Trained ASHA workers and youth act as health volunteers, helping villagers use the devices and spreading awareness through SMS or local forums.</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				HealthLink NE uniquely combines IoT, renewable energy, AI, and community participation to deliver affordable, culturally relevant, and sustainable healthcare to one of India's most challenging regions.
52	Dhruvathare	Poojitha L	Healthcare	A IV fluid monitoring device designed in a syringe shape to monitor the the fluid levels, made with the compact equipments of Arduino nano, buzzer, coin cell battery and a optical sensor which alerts the hospital staff when the patient's fluid bottle is getting empty. This device reduces the workload of the nurses and save time in which they can attend other patients. This device prevents the risk of backflow and avoids further infections such as thrombophlebitis, swelling and redness at the cannulation site by giving a precise alarm from which the infusion can be stopped or the bottle can be replaced.
53	AGRIVATION	Prashant Sharma	Agriculture	Agrivation aims to empower Indian smallholder farmers through a tech-driven ecosystem, starting with a pilot for 300 farmers in Mizoram, with plans to scale nationwide. The project addresses key agricultural challenges: limited tech access (30% lower yields), market inefficiencies (₹40/kg loss to middlemen), climate risks (25% crop loss), and low digital literacy (52% monthly internet access, IAMA 2022). It integrates Smart Agri-Hubs—AI-driven centers with modules for soil testing (Krishitantra Krushi RASTAA, 12 parameters), IoT data storage (Jio Krishi sensors), and training—and the Agrivation app, offering real-time crop monitoring, a blockchain marketplace, and an AgriBot agent (Hindi, English, Mizo) for agricultural queries.

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>Farmers with smartphones access IoT data (soil moisture, NPK) and market insights via the app, while those without use the hub's website for recommendations and marketplace access. The project leverages Microsoft FarmBeats for data processing, ensuring precise insights (e.g., "Irrigate now"). Targeting a 30% yield increase, ₹40/kg income gain, and 25% less crop loss, Agrivation ensures inclusivity through offline support and local language training. With a pilot cost of ₹88.85 lakh, the solution aligns with India's Vision 2047 for sustainable agriculture, empowering farmers with data-driven decisions and market access.</p>
54	Kafka-coders	Ashish raj	Agriculture	<p>Smart, Self-Sustaining Warehouses for Northeast India's Farmers</p> <p>In Northeast India's humid climate, farmers lose tons of fresh produce to spoilage due to poor storage. Our solution? AI-powered smart warehouses that automatically control temperature and humidity, cutting post-harvest losses by 30-40%.</p> <p>How It Works:</p> <p>Real-time sensors monitor storage conditions, while AI predicts weather changes.</p> <p>The system auto-adjusts cooling, ventilation, and humidity via connected HVAC systems.</p> <p>Edge computing ensures fast, offline operation, crucial for remote areas with weak internet.</p> <p>Farmers get alerts and manual control through a simple mobile</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>dashboard.</p> <p>Why It Matters: Cost-effective: Upgrading existing warehouses costs 60% less than new infrastructure. Supports local crops like Bhut Jolokia chili and Lakadong turmeric, preserving their quality. Disaster-resilient: Ensures food security during floods or landslides. Empowers farmers with market data to sell at the best prices. Aligned with government schemes like PMKSY and Atmanirbhar Bharat, this tech-driven approach reduces waste, boosts incomes, and strengthens food supply chains. For Northeast India's farmers, it's a practical, scalable fix—turning post-harvest losses into long-term gains. Smarter storage. Fresher produce. Stronger farmers.</p>
55	NEHU	BHARGAV SONOWAL	IoT for Oil & Gas	<p>A touch-based security device integrated with 5G connectivity is an advanced solution designed to protect solar panels from theft or unauthorized access. The system primarily uses an Arduino Uno microcontroller, a capacitive touch sensor, and a 5G GSM module for efficient real-time monitoring and alerts. When installed near or on the solar panel structure, the touch sensor detects any physical contact or tampering. Upon detecting touch or intrusion, the Arduino processes the input and immediately communicates with the 5G GSM module.</p> <p>The 5G module ensures ultra-fast and reliable transmission of</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>alerts or status updates to a remote user or cloud server, enabling real-time security notifications. Users receive SMS or app-based alerts, and can remotely monitor the system's status using mobile devices. The use of the Arduino Uno provides a low-cost yet effective control unit capable of managing input from the sensor and coordinating communication.</p> <p>This solution is especially suitable for remote or off-grid solar installations, where physical surveillance is limited and 5G coverage ensures uninterrupted connectivity. Overall, the touch-based security system ensures enhanced protection for solar assets, minimizes theft risks, and provides users with real-time remote control and updates through a fast and scalable wireless network.</p>
56	ANVAYA	DR. SUDARSHANA BORAH	Healthcare	<p>The Northeast Indian states, with their humid subtropical and tropical temperatures, dense forests, and copious water bodies, provide an ideal breeding ground for mosquitos, posing ongoing vectorborne illness concerns. Despite measures like as insecticide-treated nets, awareness campaigns, and immunization programs, a lack of continuous community participation and infrastructural obstacles impede successful mosquito control. Fumes from a paper egg tray are utilized in Assam as a traditional method of repelling mosquitoes and insects, however one problem is that the vapors contain specific compounds. Sodium silicate increases the strength and durability of egg cartons, sodium hydroxide aids in the breakdown of paper</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>fibers, and aluminum sulphate aids in the breakdown of paper fibers are chemicals that can cause irritation to humans if inhaled or come into contact with the skin or eyes, resulting in headaches, nausea, respiratory and eye irritation. To address the aforementioned disadvantages, a spray formulation of egg tray and herbal extracts was developed, which has the advantage of masking the unwanted fumes produced when egg tray is burned and improving formulation stability. It is a low-cost, scalable, and easily accessible method for reducing mosquito spread from pooled water in both rural and urban settings.</p>
57	Bit Bugs	NAVEED AHAMED S	Animal Husbandry	<p>We have developed an innovative solution to address the challenges of livestock health management in the North East region of India. Our approach features a non-invasive, IoT-based device designed to monitor the health of various types of livestock using a single device. Each animal is identified through an RFID ear tag, which is scanned before or after monitoring to record individual data.</p> <p>The device collects key health indicators for each livestock and transmits the information via Bluetooth or Wi-Fi to a mobile application or software system that supports local languages. This is a simple and easy-to-understand UI, well-suited for rural users. This platform analyzes the data to detect early signs of illness, predict potential diseases, and provide tailored preventive measures for each animal.</p> <p>Our solution not only addresses the shortage of veterinary services in rural areas but also empowers rural women to actively</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				participate in livestock care. By training and involving them in using the technology, women gain practical skills, enhance income opportunities, and become community decision-makers. This fosters digital literacy, financial independence, and leadership—driving women’s empowerment and contributing to sustainable rural development across the North East region of India.
58	AquaVision	Chethan S	Agriculture	<p>AquaVision is a modular, AI-powered water drone designed to empower agriculture, animal husbandry, and rural healthcare in North East India. It monitors key water quality parameters such as pH, nitrates, turbidity, and bacterial content, ensuring clean and safe water for irrigation and livestock. With 5G connectivity, AquaVision delivers real-time insights even in remote areas, allowing farmers and SHGs to take swift action against waterborne threats.</p> <p>In agriculture, it optimizes irrigation by ensuring water is free of contaminants that harm sensitive crops. In animal husbandry, it prevents diseases by ensuring potable water for cattle and poultry. Women-led SHGs and village youth are trained to operate and maintain the drone, generating local livelihoods while promoting tech adoption.</p> <p>The system’s edge AI processes data on-site, while 5G enables seamless cloud sync for alerts and district-level monitoring. AquaVision is affordable, scalable, and community-operated – a</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				solution that brings smart water intelligence to the last mile. This innovation directly supports the hackathon's themes of women, youth, SHG empowerment, and 5G-based rural solutions.
59	Sky Crop Innovators	Sudeep N R	Agriculture	<p>Concept Note: AI-Driven Drone System for Precision Agriculture</p> <p>Our project, Sky Crop Innovators, aims to revolutionize traditional farming practices through an AI-powered drone-based system designed for precision agriculture. We focus on tobacco plantations and apple orchards, where disease outbreaks and nutrient deficiencies can severely impact yield and quality. Our solution integrates advanced deep learning algorithms with drone technology to enable real-time disease detection, crop health monitoring, and data-driven decision-making.</p> <p>The system comprises three key stages: (1) Image-based disease detection using a CNN model trained on curated datasets, (2) real-time object detection via YOLOv9 for on-field monitoring, and (3) autonomous drone deployment using Pixhawk and Drone CAN for efficient aerial surveillance. This integrated approach allows for early disease diagnosis, targeted pesticide application, and optimized resource usage.</p> <p>In addition, the platform provides farmers with a user-friendly web and mobile interface to access actionable insights, visual analytics, and treatment suggestions. The solution not only boosts productivity but also reduces labor costs and environmental</p>

S.No	Team Name	Name	Theme	Share your idea/concept note in 200 words
				<p>impact.</p> <p>We envision empowering farmers with cutting-edge tools that promote sustainable agriculture and enhance food security. Our initiative has the potential to scale across various crops and regions, supporting India's vision of a digitally enabled and resilient agricultural ecosystem.</p>
60	R.M TISSO	Roopman Tisso	Healthcare	<p>Creating a strong healthcare system for individuals with disabilities in Karbi Anglong requires thoughtful inclusive strategies, Here are a few ideas that could make a real difference.</p>

Winners:

The below teams were declared winners of the Hackathon 2.0:

S.No.	Winner Type	Team Name	Participants	Theme
1	Winner (INR 10,00,000)	AkumenAI	Thiyam Akuvan	Healthcare
2	Consolation Prizes (INR 2,00,000)	Nibiaa Devices	Siddharth Shivakumar Nair Palash Sunil Sarate Dr. Veena Shankar Kunnath	Healthcare
3	Consolation Prizes (INR 2,00,000)	AgriSure	Mahavir Bishnoi Meghna	Animal Husbandry
4	Consolation Prizes (INR 2,00,000)	Nutrixeric	Jayanti Kumari	Healthcare

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Calling All 5G Startups!

Are you ready to take your innovation from lab to real-world impact?

Join NER Tech Hackathon 2.0 – Bengaluru Edition and showcase how your 5G-powered solution can revolutionize Healthcare, Agriculture, Animal Husbandry, or Oil & Gas.

Venue: Courtyard Hebbal, Bengaluru
Registration Deadline: April 23, 2025

This is your chance to connect with mentors, scale your solution, and make national headlines.

Apply Now: <https://lnkd.in/g/vsZWxkv>

#NERTechHackathon #5GStartups #NextGenTech #ScaleWith5G
#InnovationChallenge #AIand5G #TechForImpact #StartupsIndia #HackathonIndia
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From over 1000+ innovative entries across India to a powerful showcase of ideas at the grand finale — the journey of the participants at NER Tech Hackathon 2.0 has been nothing short of inspiring!

After multiple rounds of rigorous internal shortlisting and jury evaluations, the top 60 teams were selected to present their solutions at the final event held in Bengaluru on 12th May 2025.

These teams brought forward their strongest technical capabilities, business understanding, and a clear vision for impact in sectors like:

- 🏥 Healthcare
- 🌾 Agriculture
- 🐄 Animal Husbandry
- 🏠 IoT for Oil & Gas

All built around the power of 5G, AI, and IoT.

The energy in the room, the ideas on stage, and the commitment to solving real-world challenges made this hackathon a celebration of tech-driven transformation!

NorthEastCouncil, NERCORMS, Amantya Technologies #NERTECHHackathon2025
 #InnovationInAction #Top60Teams #5GForImpact #AIInnovation #IoTIndia
 #SmartFarming #TechForGood #AmantyaTechnologies #NERCORMS
 #NorthEastCouncil #DigitalIndia #StartupShowcase #HackathonIndia



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A successful wrap-up to NER TECH Hackathon 2.0!

We are thrilled to share a glimpse of how powerfully the event kicked off — with an inspiring address by our esteemed Chief Guest, Shri Satinder Kumar Bhalla, Secretary, [NorthEasternCouncil](#), Government of India. His presence energized the room and set the tone for a day filled with innovation, collaboration, and purpose.

The event brought together startups, students, mentors, and changemakers to build impactful solutions using 5G, AI, and IoT in sectors like healthcare, agriculture, animal husbandry, and oil & gas.

A huge thank you to all participants, jury members, mentors, and partners for making this edition of the [#NERTECHHackathon2.0](#) truly meaningful.

📍 Venue: Courtyard by Marriott, Hebbal, Bengaluru

📅 Date: 12th May 2025

Stay tuned for more highlights, winner stories, and the journey ahead!

[#NERTECHHackathon2.0](#) [#5GForGood](#) [#InnovationForImpact](#) [#NERCORMS](#)
[#NorthEastCouncil](#) [#StartupIndia](#) [#Hackathon](#) [#DigitalIndia](#) [Amantya Technologies](#)



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🏆 Honoring the Winners of NER TECH Hackathon 2.0!

Out of 800+ nationwide entries, 60 outstanding teams made it to the grand finale in Bengaluru on 12th May 2025 — and 4 emerged as champions of tech-for-impact innovation.

🏆 Grand Prize Winner – ₹10 Lakhs

◆ Akumen AI – A smart glasses solution for the visually impaired using AI, computer vision, and NLP, designed for affordability and accessibility in rural India.

🏆 Runner Up Prize Winners – ₹2 Lakhs Each

◆ Zeuron.ai – A neuro-health console delivering cognitive care and therapy in low-connectivity rural areas.

◆ DESIGO® – A women-led dairy platform delivering zero-plastic, tech-enabled, traceable milk from underserved regions.

◆ OncoALERT – A portable AI-based screening device that detects oral cancer early with 92% accuracy.

Congratulations to all winners for leading the way in socially impactful innovation using 5G, AI, and IoT!

hashtag

#NERTECHHackathon2025 #InnovationForImpact NorthEasternCouncil
#NERCORMS Amantya Technologies #AIForGood #SmartFarming
#HealthcareInnovation #5GIndia #MakeInIndia #StartupIndia
#AkumenAI #Zeuron #Desigo #OncoALERT



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Honouring the Jury of NER Tech Hackathon 2.0

Behind every great innovation is a panel of sharp minds that help shape it — and we were privileged to have some of the best with us at the NER TECH Hackathon 2.0!

Held on 12th May 2025 at Courtyard by Marriott, Bengaluru, our esteemed jury brought together experts from industry, government, and academia to evaluate 60 top innovations.

Their insights, encouragement, and thoughtful evaluations were instrumental in guiding the finalists and spotlighting solutions with real-world impact.

A heartfelt thank you to each jury member for lending your time, expertise, and vision to this mission of building for North East. 🙏

#NERTECHHackathon2025 #InnovationForImpact NorthEasternCouncil
#NERCORMS Amantya Technologies #AIForGood #SmartFarming
#HealthcareInnovation #5GIndia #MakeInIndia #StartupIndia





The banner features logos for NER, NRI, and AMANTYA at the top. The main title 'NER TECH HACKATHON 2.0' is in a large green font. The left side lists cash prizes: a 'Winner' award of INR 10,00,000 and a 'Consolation' award of INR 2,00,000. Below this, it states that consolation awards are for three teams, and participation certificates will be given to all participants. A green box indicates the last date to register is 5th May 2025. The bottom left provides contact information: visit nec5g.org or call +91 900 952 1644. The right side lists the date (12th May 2025) and venue (Courtyard Hebbal, Bengaluru). It includes three bullet points: 1 to 3 members per team, open to PAN India, and open to startups, entrepreneurs, innovators, college/university students. Below this is a list of themes: 01 Healthcare, 02 Agriculture, 03 Animal Husbandry, and 04 IoT for Oil and Gas. A QR code is provided for submitting entries, with the text 'Scan to Submit Entries' below it.

NER
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AMANTYA

NER TECH HACKATHON 2.0

Cash Prizes to winners

INR 10,00,000
Winner

INR 2,00,000
Consolation*

*Consolation Awards for three teams
Participation certificates to all the participants and many more benefits

Last Date to Register:
5th May 2025

For more details
visit: nec5g.org
or call: +91 900 952 1644

Date: 12th May 2025
Venue: Courtyard Hebbal, Bengaluru

- 1 to 3 Members in each Team
- Participants from PAN India can join the hackathon.
- Startups, Entrepreneurs, Innovators, College/University Students can Participate

Themes

- 01 Healthcare
- 02 Agriculture
- 03 Animal Husbandry
- 04 IoT for Oil and Gas

Scan to Submit Entries

Themes

01



Healthcare

- Enhance healthcare with 5G, AI, and IoT.
- Improve health monitoring and access.
- Drive community health solutions.
- Focus on women and youth empowerment.

02



Agriculture

- Boost farming with tech-driven solutions.
- Promote sustainable agriculture.
- Improve productivity and resource use.
- Support youth and SHG-led innovations.

03



Animal Husbandry

- Advance livestock management with tech.
- Improve disease control and care.
- Empower rural women and SHGs.
- Drive sustainable animal practices.

04



IoT for Oil & Gas

- Apply IoT for smart monitoring.
- Enhance safety in health and gas.
- Support community well-being.
- Create inclusive tech solutions.

Who Should Participate



- **Startups/Entrepreneurs** – Early-stage ventures aiming to develop and showcase their ideas for NER.
- **Incubated Startups/Innovators** – Individuals or teams from incubation programs looking to scale their tech solutions.
- **College/University Students** – Tech enthusiasts developing future technologies to build impactful careers.

NER Tech Hackathon 2.0

How to Participate



Why to Participate

- ❑ **Exciting Rewards** – Chance to win cash prizes and trophies for top innovations.
- ❑ **Corporate Mentorship** – Winners will receive mentorship from industry leaders and corporate experts.
- ❑ **Startup & Funding Support** – Explore opportunities for mentorship, incubation, and funding.
- ❑ **Media Coverage** – Get featured across North East regional platforms.
- ❑ **Networking Opportunities** – Connect with industry experts, mentors, and like-minded innovators.
- ❑ **Skill Development** – Gain hands-on experience in SO, AI, IoT, and emerging technologies.
- ❑ **Certificates for All** – Every participant will receive an official certificate.
- ❑ **Community Impact** – Build real-world solutions that empower women, youth, and SHGs.
- ❑ **Make a Difference** – Contribute to solving real challenges and driving innovation in the North East Region.

Terms & Conditions

Team Eligibility

- Participants from NEER (NER) can join the hackathon.

Registration & Selection

- Submitting an entry does not guarantee selection; all entries will be screened by experts, and only shortlisted teams will be invited.
- All information provided in the registration form must be accurate and true. Any false information will lead to disqualification.

Team Composition

- A team can have a maximum of 4 members. Participants can also join individually or in pairs.

Innovation & Originality

- The submitted idea must be original; copied or plagiarized business ideas will be disqualified.
- Preference will be given to solutions that address local challenges in the North East region.

PRE – EVENT MEDIA COVERAGE

PRINT PUBLICATIONS

Bangalore

Deccan Herald



NER TECH HACKATHON 2.0 TO BE ORGANIZED IN BANGALORE, KARNATAKA BY NERCORMS AND AMANTYA TECHNOLOGIES, FUNDED BY NORTH EASTERN COUNCIL, MOONER

Bangalore: After the massive success of the NER Tech Hackathon in Guwahati, the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies has announced NER Tech Hackathon 2.0, set to take place on May 12, 2025, at Courtyard Hotel, Bangalore.

Building on the momentum from Guwahati, this second edition of the hackathon aims to bring together brilliant innovators, early-stage startups, and student teams from across the country to design impactful solutions using AI, IoT, AR, and emerging technologies. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, ag-



riculture, smart technology, and IoT applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities,

women, youth and self-help groups.

The hackathon is being organized under the project "Deepening of Scientific Research on MG Das Centre for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

To incentivize participation and recognize groundbreaking ideas, NERCORMS and Amantya Technologies has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. The admission deadline is April 28, 2025.

एनईआर टेक हैकाथॉन 2.0 का आयोजन बेंगलोर में 12 मई से

एनईआरसीओआरएमएस और
अमृत्या टेक्नोलॉजीज द्वारा किया
जाएगा, जिसे उत्तर पूर्वी परिषद,
एमडीओएनईआर द्वारा वित्त पोषित

NER TECH
HACKATHON 2.0

बेंगलोर, 15 अप्रैल (दक्षिण प्रकाश)। गुवाहाटी में एनईआर टेक हैकथॉन की भारी सफलता के बाद, उत्तर पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन सोसाइटी (एनईआरसीओआरएमएस) और अमृत्या टेक्नोलॉजीज ने एनईआर टेक हैकथॉन 2.0 की घोषणा की है, जो 12 मई, 2025 को कोर्टगार्ड हेब्साल, बेंगलोर में आयोजित किया जाएगा।

गुवाहाटी से मिले प्रोत्साहन को आगे बढ़ाते हुए, हैकथॉन के इस दूसरे संस्करण का उद्देश्य देश भर के प्रतिभाशाली इनोवेटर्स, शुरुआती चरण के स्टार्टअप्स और छात्र टीमों को एक साथ लाना है ताकि 5जी, एसओटी, एआई और उभरती हुई

तकनीकियों का उपयोग करके प्रभावशाली समाधान तैयार किए जा सकें।

इस अग्रणी कार्यक्रम का उद्देश्य स्वास्थ्य सेवा, कृषि, पशुपालन और तेल एवं गैस तट्टों में एलओटी अनुप्रयोगों में प्रमुख चुनौतियों का समाधान करने के लिए 5जी तकनीक का लाभ उठाकर डिजिटल नवाचार को बढ़ावा देना है, जिसमें दूरदराज के समुदायों, महिलाओं, युवाओं और स्वयं सहायता समूहों तक पहुँचने पर जोर दिया गया है।

हैकथॉन का आयोजन पूर्वोत्तर क्षेत्र सामुदायिक संसाधन प्रबंधन सोसाइटी (एनईआरसीओआरएमएस) द्वारा समाज

की चुनौतियों के समाधान के लिए 5जी उपयोग मामलों पर वैज्ञानिक अनुसंधान को गहन करना जैसी परियोजना के तहत किया जा रहा है। यह सोसाइटी पूर्वोत्तर क्षेत्र विकास मंत्रालय, भारत सरकार के पूर्वोत्तर परिषद के अंतर्गत आती है।

भागोदारी को प्रोत्साहित करने और अभूतपूर्व विचारों को मान्यता देने के लिए, एनईआरसीओआरएमएस और अमृत्या टेक्नोलॉजीज ने विजेता टीम के लिए 10 लाख रुपये के भव्य पुरस्कार की घोषणा की है, साथ ही 2-2 लाख रुपये के तीन साल्ना पुरस्कार भी दिए जाएंगे। सर्वमिशन की अंतिम तिथि 28 अप्रैल, 2025 है।

Suvarna Times

ಮೇ 12 ರಂದು ಹ್ಯಾಕಥಾನ್

ಬೆಂಗಳೂರು: ಗುಣಮಟ್ಟವನ್ನು ಎತ್ತರಿಸಲು ಬೆಂಗಳೂರು ಹ್ಯಾಕಥಾನ್ ಭವಿಷ್ಯದ ದಿವ್ಯವನ್ನು ಸಂಪದ. ಈಗಾಗಲೇ ಪ್ರಾರಂಭಿಸಿದ ಸಮಯದಿಂದ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಮಿತಿ (ಎನ್‌ಎಚ್‌ಸಿ.ಎಲ್‌ಎಂಎಲ್) ಮತ್ತು ಅಮೆರಿಕನ್ ಟೆಕ್ನಾಲಜೀಸ್ ಎನ್‌ಎಚ್‌ಸಿ.ಎಲ್‌ಎಂಎಲ್ ಹ್ಯಾಕಥಾನ್ 2025 ರಂದು ಮೇ 12, 2025 ರಂದು ಬೆಂಗಳೂರಿನ ಕೋನ್ಸ್ಟ್ರಾಕ್ಟ್ ಹೆಬ್ಬಾಳದಲ್ಲಿ ನಡೆಸಲಾಗುವುದು ಎಂದು ಪ್ರಕಟಿಸಿದೆ.

ಹ್ಯಾಕಥಾನ್ ಈ ವರ್ಷದೇ ಅಭಿವೃದ್ಧಿಯ ಕಡೆ ಮುಖಿಸಿ (ಎಂಪಿಎಸ್‌ಎಲ್ ಆರ್ ಡಿಎಸ್), ಎಂ(ಎಚ್‌ಸಿ.ಎಲ್‌ಎಂಎಲ್ ಎಂಪಿಎಲ್) ಮತ್ತು ಪ್ರವರ್ಧನಾತ್ಮಕ ಉದ್ದೇಶಗಳ ಸಂಪನ್ಮೂಲಗಳನ್ನು ಬಳಸಿಕೊಂಡು ಪರಿಣಾಮಕಾರಿ ಪರಿಹಾರಗಳನ್ನು ಒದಗಿಸಿಕೊಡುವ ಪರಿಹಾರಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು, ಅಭಿವೃದ್ಧಿ ಹೆಚ್ಚಿಸಲು ಸಹಾಯಿಸಲು(ಪ್ರಬ್ಲೆಮ್)ಗಳು ಮತ್ತು ಒದಗಿಸಲು ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಂಪದ ಗುಂಪಿಯಿಂದ.

ಉದ್ದೇಶ ಸರ್ಕಾರದ ಆಜ್ಞೆಯ ಮೇರೆಗೆ ಸಮಯದಿಂದ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಂಪದ (ಎನ್‌ಎಚ್‌ಸಿ.ಎಲ್‌ಎಂಎಲ್). ಈಗಾಗಲೇ ಪರಿಷ್ಕರಿಸಿ, ಈಗಾಗಲೇ ಅಭಿವೃದ್ಧಿ ಸಮಯದಿಂದ ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸಂಪನ್ಮೂಲಗಳನ್ನು ಸಂಪದವು ಕಡೆ ಬಳಸಿಕೊಂಡು ಪ್ರಕಟಿಸಲಾಗುವುದು ಎಂದು ಪ್ರಕಟಿಸಲಾಗಿದೆ. ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಂಪದದ ವೆಬ್‌ಸೈಟ್ ಅನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಿ.

ಉದ್ದೇಶ ಸಂಪದವು ಪ್ರವರ್ಧನಾತ್ಮಕ ಮತ್ತು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸಂಪದವನ್ನು ಗುರುತಿಸಲು, ಸಂಪದವು ಮತ್ತು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸಂಪದವು 10 ರಿಂದ 15 ರವರೆಗೆ ಪ್ರವರ್ಧನಾತ್ಮಕ ಪ್ರಕಟಿಸಲಾಗಿದೆ. ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ ಸಂಪದವು ಸಂಪದವು ಸಂಪದವು ಸಂಪದವು ಪ್ರಕಟಿಸಲಾಗಿದೆ. ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸಂಪದವು - ಒಪ್ಪಿಡ್ 2025 ಅಭಿವೃದ್ಧಿಪಡಿಸಲಾಗಿದೆ.

Indu Sanje

ಎನ್‌ಇಆರ್ ಟೆಕ್ ಹ್ಯಾಕಥಾನ್ 2.0

ಬೆಂಗಳೂರು: ಗುಮಾಹಟಿಯಲ್ಲಿ ಎನ್‌ಇಆರ್ ಟೆಕ್ ಹ್ಯಾಕಥಾನ್‌ನ ಭರ್ಜರಿ ಯಶಸ್ವಿ ಸಂಕರ, ಈಶಾನ್ಯ ಪ್ರಾದೇಶಿಕ ಸಮುದಾಯ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಂಸ್ಥೆ (ಎನ್‌ಇಆರ್‌ಸಿಒಆರ್‌ಎಂಎಸ್) ಮತ್ತು ಅಮೆಂತ್ಯ ಟೆಕ್ನಾಲಜೀಸ್ ಎನ್‌ಇಆರ್ ಟೆಕ್ ಹ್ಯಾಕಥಾನ್ 2.0 ಅನ್ನು ಮೇ 12, 2025 ರಂದು ಬೆಂಗಳೂರಿನ ಕೋಟಾಗ್ನಾರ್ಡ್ ಹೆಬ್ಬಾಳದಲ್ಲಿ ನಡೆಸಲಿದ ಎಂದು ಪ್ರಕಟಿಸಿದೆ.



ಹ್ಯಾಕಥಾನ್‌ನ ಈ ಎರಡನೇ ಆವೃತ್ತಿಯು 5ನೇ ಐ.ಟಿ(ಇಂಟರ್‌ನೆಟ್

ಆಫ್ ಥಿಂಗ್), ಎನ್‌ಆರ್‌ಸಿಒಆರ್ ಇಂಟಿಲಿಜೆನ್ಸ್ ಮತ್ತು ಪ್ರವರ್ಧಮಾನಕ್ಕೆ ಬರುತ್ತಿರುವ ತಂತ್ರಜ್ಞಾನಗಳನ್ನು ಬಳಸಿಕೊಂಡು ಪರಿಣಾಮಕಾರಿ ಪರಿಹಾರಗಳನ್ನು ಎನ್ಯಾನ್ಸೋಗಳನ್ನು ದೇಶಾದ್ಯಂತದ ಅದ್ಭುತ ಸಾಮೀಪ್ಯತೆಯು, ಅರಂಭಿಕ ಹಂತದ ಸಫೋಡ್ಡು(ಸ್ಟಾರ್ಟ್‌ಅಪ್) ಗಳು ಮತ್ತು ಎಡ್ವಾನ್ಸಿಡ್ ತಂಡಗಳನ್ನು ಒಂದಾಗಿ ಸೇರಿಸುವ ಗುರಿ ಹೊಂದಿದೆ.

ಭಾರತ ಸರ್ಕಾರದ ಈಶಾನ್ಯ ವಲಯ ಸಮುದಾಯ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸಂಸ್ಥೆ (ಎನ್‌ಇಆರ್‌ಸಿಒಆರ್‌ಎಂಎಸ್), ಈಶಾನ್ಯ ಮಂಡಳಿ, ಈಶಾನ್ಯ ಪ್ರದೇಶ ಅಭಿವೃದ್ಧಿ ಸಚಿವಾಲಯದ ಅಡಿಯಲ್ಲಿ ಸಮಾಜದ ಸವಾಲುಗಳನ್ನು ಪರಿಹರಿಸಲು 5ನೇ ಬಳಕೆಯ ಪ್ರಕರಣಗಳಲ್ಲಿ ವೈಶ್ವಾಸ್ಯ ಸಂಶೋಧನೆ ಹೆಚ್ಚುವುದು ಯೋಜಿಸಲಾಗಿದೆ ಹ್ಯಾಕಥಾನ್ ಅನ್ನು ಆಯೋಜಿಸಲಾಗುತ್ತಿದೆ.

ಭಾಗವಹಿಸುವಿಕೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸಲು ಮತ್ತು ಅದ್ಭುತ ಆಲೋಚನೆಗಳನ್ನು ಗುರುತಿಸಲು, ನೆರೌಠಾಮ್ಸ್ ಮತ್ತು ಅಮೆಂತ್ಯ ಟೆಕ್ನಾಲಜೀಸ್ ವಿಶೇಷ ತಂಡಕ್ಕೆ 10 ಲಕ್ಷ ರೂ.ಗಳ ರೊಡ್ಡು ಬಹುಮಾನ ಪ್ರಕಟಿಸಿದೆ. ಹೊಸಗೆ ತಲಾ 2 ಲಕ್ಷ ರೂ.ಗಳ ಮೂರು ಸಮಾಧಾನಕರ ಬಹುಮಾನಗಳನ್ನು ಪ್ರಕಟಿಸಿದೆ. ಆರ್ಜಿ ಸಲ್ಲಿಸಲು ಕೊನೆಯ ದಿವಾಂಕ - ಏಪ್ರಿಲ್ 28, 2025 ಆಗಿರುತ್ತದೆ.

04 14-04-2025 To 20-04-2025

NER Tech Hackathon 2.0 to be organized by NERCORMS and Amantya Technologies, Funded by North Eastern Council, MDoNER

Shabd Shastra
Bengaluru (Source) :
After the massive success of the NER Tech Hackathon in Guwahati, the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies has announced NER Tech Hackathon 2.0, set to take place on May 12, 2025, at Courtyard Hebbal, Bangalore.

Building on the momentum from Guwahati, this second edition of the hackathon aims to bring together brilliant innovators, early-stage startups, and student teams from across the country to design impactful solutions using 5G, IoT, AI, and emerging technologies. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities, women, youth and self-help groups.

The hackathon is being organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

NER TECH HACKATHON 2.0

Cash Prizes to winners

- Winner:** INR 10,00,000
- Consolation:** INR 2,00,000

Participation Prizes for those who:
Participation certificates to all the participants and many more benefits

Last date to register: 28th April 2025

For more details visit website: nerhackathon.org or call: 988 888 888

Date: 12th May 2025
Venue: Courtyard Hebbal, Bengaluru

- # 1-2 Members in each team
- # Participants from All India can join the hackathon
- # Students, Entrepreneurs, Innovators, College/University Students can Participate

Themes

- 01 Healthcare
- 02 Agriculture
- 03 Animal Husbandry
- 04 IoT for Oil and Gas

Scan QR to register

NERCORMS

To incentivize participation and recognize groundbreaking ideas, NERCORMS and Amantya Technologies has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. The submission deadline is April 28, 2025.

ಸಮುದಾಯ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನಿಕರತೆಯು ನಡವಿಸಬಹುದು.

ಮೇ 12ಕ್ಕೆ ಟೆಕ್ ಹ್ಯಾಕಥಾನ್ 2.0

ಬೆಂಗಳೂರು: ಈಶಾನ್ಯ ಪ್ರಾದೇಶಿಕ ಸಮುದಾಯ ಸಂಪನ್ಮೂಲ ನಿರ್ವಹಣಾ ಸೊಸೈಟಿ(ಎನ್‌ಐಆರ್‌ಸಿಒಎಸ್‌ಎಸ್‌) ಮತ್ತು ಅಮಂತ್ಯ ಟೆಕ್ನಾಲಜೀಸ್ ಮೇ 12ರಂದು ಹೆಬ್ಬಾಳದ ಕೋರ್ಟ್ ಯಾರ್ಡ್‌ನಲ್ಲಿ ಎನ್‌ಐಆರ್ ಟೆಕ್ ಹ್ಯಾಕಥಾನ್ 2.0 ಆಯೋಜಿಸಿದೆ.

ವೈಜ್ಞಾನಿಕ ಸಂಶೋಧನೆ ಹೆಚ್ಚಿಸುವ ಕುರಿತು ಹ್ಯಾಕಥಾನ್ ಆಯೋಜಿಸಲಾಗಿದೆ. ವಿಜೇತ ತಂಡಕ್ಕೆ ₹10 ಲಕ್ಷ, 3 ತಂಡಗಳಿಗೆ ತಲಾ ₹2 ಲಕ್ಷ ಸಮಾಧಾನಕರ ಬಹುಮಾನ ನೀಡಲಾಗುವುದು. ಏ.28ರೊಳಗೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಬಹುದು.

ಮಾಹಿತಿಗೆ: www.nec5g.org

'5ಜಿ ಬಳಕೆಯ ಪ್ರಕರಣಗಳಲ್ಲಿ

बेंगलुरु, कर्नाटक में नेरकर्मस और अमंत्या टेक्नोलॉजीज द्वारा एन ई आर टेक हैकार्थॉन 2.0 का आयोजन

**उत्तर-पूर्वी परिषद, एन डी ओ
एन ई आर द्वारा वित्त पोषित**

भास्कर ब्यूरो

दिल्ली। गुवाहाटी में आयोजित एन ई आर टेक हैकार्थॉन की जबरदस्त सफलता के बाद, उत्तर-पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकर्मस) और अमंत्या टेक्नोलॉजीज ने एन ई आर टेक हैकार्थॉन 2.0 की घोषणा की है, जो 12 मई 2025 को कोर्टवार्ड हेब्बाल, बेंगलुरु में आयोजित किया जाएगा। प्रतिभागिता को प्रोत्साहित करने और क्रांतिकारी विचारों को सम्मानित करने के लिए, नेरकर्मस और अमंत्या टेक्नोलॉजीज ने विजेता टीम के लिए 10 लाख रुपये का प्रथम

पुरस्कार घोषित किया है, साथ ही 2 लाख रुपये के तीन सांत्वना पुरस्कार भी दिए जाएंगे। प्रस्ताव जमा करने की अंतिम तिथि 28 अप्रैल 2025 है। अधिक जानकारी प्राप्त करने और आवेदन करने के लिए, कृपया www.nec5g.org पर जाएं। यह अग्रणी आयोजन 5जी तकनीक के जरिए नवाचार को बढ़ावा देने का उद्देश्य रखता है, जिससे स्वास्थ्य सेवा, कृषि, पशुपालन, और तेल एवं गैस उद्योग में आई ओ टी अनुप्रयोगों से जुड़ी प्रमुख चुनौतियों का समाधान निकाला जा सके। इस कार्यक्रम का मुख्य फोकस दूरस्थ क्षेत्रों, महिलाओं, युवाओं और स्व-सहायता समूहों तक पहुँच बनाने पर है।

बेंगलुरु, कर्नाटक में नेरकर्मस और अमंत्या टेक्नोलॉजीज द्वारा एन ई आर टेक हैकार्थॉन 2.0 का आयोजन

उत्तर-पूर्वी परिषद, एम डी ओ एन ई आर द्वारा वित्त पोषित

बेंगलुरु। गुवाहाटी में आयोजित एन ई आर टेक हैकार्थॉन की जबरदस्त सफलता के बाद, उत्तर-पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति और अमंत्या टेक्नोलॉजीज ने एन ई आर टेक हैकार्थॉन 2.0 की घोषणा की है, जो 12 मई 2025 को कोर्टयार्ड हेब्बाल, बेंगलुरु में

आयोजित किया जाएगा। प्रतिभागिता को प्रोत्साहित करने और क्रांतिकारी विचारों को सम्मानित करने के लिए, नेरकर्मस और अमंत्या टेक्नोलॉजीज ने विजेता टीम के लिए 10 लाख रुपये का प्रथम पुरस्कार घोषित किया है, साथ ही 2 लाख रुपये के तीन सात्वना पुरस्कार भी दिए जाएंगे। प्रस्ताव जमा करने की अंतिम तिथि 28 अप्रैल 2025 है। अधिक जानकारी प्राप्त करने और आवेदन करने के

लिए, कृपया www.neczg.org पर जाएं। यह अग्रणी आयोजन 5जी तकनीक के जरिए नवाचार को बढ़ावा देने का उद्देश्य रखता है, जिससे स्वास्थ्य सेवा, कृषि, पशुपालन, और तेल एवं गैस उद्योग में आई ओ टी अनुप्रयोगों से जुड़ी प्रमुख चुनौतियों का समाधान निकाला जा सके। इस कार्यक्रम का मुख्य फोकस दूरस्थ क्षेत्रों, महिलाओं, युवाओं और स्व-सहायता समूहों तक पहुँच बनाने पर है।

पंजाब केसरी

बेंगलुरु, कर्नाटक में नेरकर्मस और अमंत्या टेक्नोलॉजीज द्वारा एन ई आर टेक हैकार्थॉन 2.0 का आयोजन नई दिल्ली(घ. म.):- गुवाहाटी में आयोजित एन ई आर टेक हैकार्थॉन की जबरदस्त सफलता के बाद, उत्तर-पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकर्मस) और अमंत्या टेक्नोलॉजीज ने एन ई आर टेक हैकार्थॉन 2.0 की घोषणा की है, जो 12 मई 2025 को कोर्टयार्ड हेब्बाल, बेंगलुरु में आयोजित किया जाएगा। प्रतिभागिता को प्रोत्साहित करने और क्रांतिकारी विचारों को सम्मानित करने के लिए, नेरकर्मस और अमंत्या टेक्नोलॉजीज ने विजेता टीम के लिए 10 लाख रुपये का प्रथम पुरस्कार घोषित किया है, साथ ही 2 लाख रुपये के तीन सात्वना पुरस्कार भी दिए जाएंगे। प्रस्ताव जमा करने की अंतिम तिथि 28 अप्रैल 2025 है। यह अग्रणी आयोजन 5जी तकनीक के जरिए नवाचार को बढ़ावा देने का उद्देश्य रखता है।



बेंगलुरु, कर्नाटक में नेरकर्मस और अमंत्या टेक्नोलॉजीज़ द्वारा एन ई आर टेक हैकैथॉन 2.0 का आयोजन

नई दिल्ली । गुवाहाटी में आयोजित एन ई आर टेक हैकैथॉन की जबरदस्त सफलता के बाद, उत्तर-पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकर्मस) और अमंत्या टेक्नोलॉजीज़ ने एन ई आर टेक हैकैथॉन 2.0 की घोषणा की है, जो 12 मई 2025 को कोर्टयार्ड हेब्बाल, बेंगलुरु में आयोजित किया जाएगा। प्रतिभागिता को प्रोत्साहित करने और क्रांतिकारी विचारों को सम्मानित करने के लिए, नेरकर्मस और अमंत्या टेक्नोलॉजीज़ ने विजेता टीम के लिए 10 लाख रुपये का प्रथम पुरस्कार घोषित किया है, साथ ही 2 लाख रुपये के तीन सांत्वना पुरस्कार भी दिए जाएंगे। प्रस्ताव जमा करने की अंतिम तिथि 28 अप्रैल 2025 है।

PUNE

समाचार
गांवकरी

नेरकॉर्स आणि अमांत्य टेक्नॉलॉजीने ईशान्य क्षेत्र टेक हॅकेथॉन २.० चे आयोजन

पुणे (स. गांवकरी) : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉर्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरुमधील हेब्बाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेरकॉर्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

नेरकॉर्स आणि अमांत्य टेक्नॉलॉजीने ईशान्य क्षेत्र टेक हॅकेथॉन 2.0चे बेंगळुरुमध्ये आयोजन

पुणे (दैनिक संध्या) : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉर्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरुमधील हेब्बाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेरकॉर्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

MUMBAI



नेरकॉम्स आणि अमांत्य टेक्नॉलॉजीची टेक हॅकेथॉन

मुंबई : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉम्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बंगळूरूमधील हेब्बाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी विजेत्या संघासाठी १० लाखांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाखांचे पारितोषिक दिले जाणार आहे. नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

नेस्कॉम्स आणि अमांत्य टेक्नॉलॉजी ने ईशान्य क्षेत्र

टेक हॅकेथॉन २.० चे बेंगळुरूमध्ये आयोजन

मुंबई , : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेस्कॉम्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरूमधील हेब्बाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेस्कॉम्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

नेरकॉर्म्स आणि अमांत्य टेक्नॉलॉजी ने ईशान्य क्षेत्र टेक हॅकेथॉन २.० चे बेंगळुरुमध्ये आयोजन

असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेरकॉर्म्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org अॅस या संकेतस्थळाला भेट द्या.

मुंबई, दि.१४ : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉर्म्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरुमधील हेव्वाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार

• मुंबई • रावणवड • टाणे • पालघर येथून एकाच दिवशी प्रकाशित होणारे दैनिक

RNI NO. MAHAR/2021/81699

आपले साम्राज्य

संपादिका : सीमा प्रमोद मोरे

कार्यकारी संपादिका : अर्णा प्रणय सकपाळ

नेरकॉम्स आणि अमांत्य टेक्नॉलॉजी ने ईशान्य क्षेत्र टेक हॅकेथॉन २.० चे बेंगळुरुमध्ये आयोजन

मुंबई , १७ एप्रिल २०२५ : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉम्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरुमधील हेबबाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेरकॉम्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

CHENNAI



NER Tech Hackathon 2.0 to be organized in Bangalore, Karnataka by NERCORMS and Amantya Technologies, Funded by North Eastern Council, MDoNER

CHENNAI: After the massive success of the NER Tech Hackathon in Guwahati, the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies has announced NER Tech Hackathon 2.0, set to take place on May 12, 2025, at Courtyard Hebbal, Bangalore.

Building on the momentum from Guwahati, this second edition of the hackathon aims to bring together brilliant innovators, early-stage startups, and student teams from across the country to design impactful solutions using 5G, IoT, AI, and emerging technologies. This pioneering event aims to foster digital innovation by leveraging 5G technology to address key challenges in healthcare, agriculture, animal husbandry, and IoT

applications in the Oil & Gas industry—with a strong emphasis on reaching remote communities, women, youth and self-help groups.

The hackathon is being organized under the project “Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society” by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

To incentivize participation and recognize groundbreaking ideas, NERCORMS and Amantya Technologies has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each.

NER Tech Hackathon 2.0 to be organized in Bangalore by NERCORMS and Amantya Technologies

Chennai, 15th April, 2025: After the massive success of the NER Tech Hackathon in Guwahati, the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies has announced NER Tech Hackathon 2.0, set to take place on May 12, 2025, at Courtyard Hebbal, Bangalore.

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The poster for NER Tech Hackathon 2.0 features the following details:

- Cash Prize to winners:**
 - Winner: INR 10,00,000
 - Consolation: INR 2,00,000
- Prizes:** Participation certificates to all the participants and many more benefits.
- Event Info:** Last Date to Register: 28th April 2025. For more details visit: nerhack.org or call: +91 960 8421644.
- Event Details:** Date: 12th May 2025, Venue: Courtyard Hebbal, Bangalore. # 1 to 3 Members in each Team. # Participants from 7th to 10th sem can join the Hackathon. # Students, 1st semester, Institutions: College/University Students can participate.
- Themes:**
 - 01 Healthcare
 - 02 Agriculture
 - 03 Animal Husbandry
 - 04 Oil for Oil and Gas
- QR Code:** Scan to Register online.

es for Solving Challenges of Society” by the North Eastern Region Community Resource Management Society (NERCORMS), a society under the North Eastern Council, Ministry of Development of North Eastern Region, Govt. of India.

To incentivize par-

ticipation and recognize groundbreaking ideas, NERCORMS and Amantya Technologies has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. The submission deadline is April 28, 2025.

HYDERABAD

Surya

नेरकॉर्म्स आणि अमांत्य टेक्नॉलॉजीने ईशान्य क्षेत्र टेक हॅकेथॉन 2.0चे बेंगळुरुमध्ये आयोजन

पुणे (दैनिक संध्या) : गुवाहाटी इथे झालेल्या ईशान्य क्षेत्र टेक हॅकेथॉनच्या भरघोस यशानंतर ईशान्य क्षेत्र सामाजिक संसाधन व्यवस्थापन संस्था (नेरकॉर्म्स) आणि अमांत्य टेक्नॉलॉजी कंपनीने बेंगळुरुमधील हेब्बाल मैदानात १२ मे २०२५ रोजी ईशान्य क्षेत्र टेक हॅकेथॉन २.० होणार असल्याची घोषणा केली. या स्पर्धेतील सहभाग वाढण्यासाठी प्रोत्साहन म्हणून आणि स्पर्धकांच्या अभूतपूर्व कल्पनांना ओळख मिळवून देण्यासाठी नेरकॉर्म्स व अमांत्य टेक्नॉलॉजी कंपनीने विजेत्या संघासाठी १० लाख रुपयांचे पारितोषिक जाहीर केले आहे. याशिवाय तीन सर्वोत्कृष्ट स्पर्धकांना प्रत्येकी २ लाख रुपयांचे पारितोषिक दिले जाणार आहे. यासाठी नावनोंदणीची मुदत २८ एप्रिल २०२५ पर्यंत आहे. अधिक माहितीसाठी व अर्ज करण्यासाठी www.nec5g.org या संकेतस्थळाला भेट द्या.

NER Tech Hackathon 2.0 to be organized in Bangalore, Karnataka by NERCORMS and Amantya Technologies, Funded by North Eastern Council, MDoNER

Hyderabad, 15th April : After the massive success of the NER Tech Hackathon in Guwahati, the North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies has announced NER Tech Hackathon 2.0, set to take place on May 12, 2025, at Courtyard Hebbal, Bangalore. To incentivize participation and

The poster for NER Tech Hackathon 2.0 features a green header with the event title. Below the header, it lists 'Cash Prizes to winners' with two medals: a gold 'Winner' medal for INR 10,00,000 and a silver 'consolation' medal for INR 2,00,000. It also includes event details: 'Date: 12th May 2025', 'Venue: Courtyard Hebbal, Bengaluru', and '1 to 3 Members in each Team'. A list of themes includes Healthcare, Agriculture, Animal Husbandry, and IoT for Oil and Gas. A QR code is provided for submission, and the last date to register is 28th April 2025. Logos for NERCORMS, Amantya Technologies, and AMU-NITYA are at the top.

recognize groundbreaking ideas, NERCORMS and Amantya Technologies has announced a grand prize of INR 10 lakhs for the winning team, along with three consolation prizes of INR 2 lakhs each. The submission deadline is April 28, 2025. For more information and to apply, visit www.nec5g.org.

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[pao.net/epSubPageExtractor.asp?src=education.Education_Announcements.Edn_Ann_2025.NER_Tech_Hackathon_2_0_at_Bengaluru_20250515](https://e-pao.net/epSubPageExtractor.asp?src=education.Education_Announcements.Edn_Ann_2025.NER_Tech_Hackathon_2_0_at_Bengaluru_20250515)

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Date of Publication: 19th May 2025



POST – EVENT MEDIA COVERAGE

PRINT PUBLICATIONS

Newspaper Coverage Post Hackathon

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हासिल करने में विफल रहा। अपना मामूला जात स 16 स जात हासिल का। आकाष करपप का भा

एनईआर टैक हैकाथॉन 2.0 बेंगलुरु में 60 टीमों ने लिया हिस्सा

बेंगलुरु, 15 मई (एजेसी)। उत्तर पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकॉर्म्स) और अमंत्या टेक्नोलॉजीज ने 12 मई 2025 को बेंगलुरु में



एनईआर टैक हैकाथॉन 2.0 का सफल आयोजन किया। इस हैकाथॉन में भारत भर के कॉलेजों और स्टार्टअप्स से आई 60 टीमों ने भाग लिया। यह हैकाथॉन नेरकॉर्म्स द्वारा आयोजित परियोजना समाज की मुश्किलों को हल करने के लिए 5जी उपयोग मामलों पर वैज्ञानिक अनुसंधान को गहन करने के अंतर्गत आयोजित किया गया, नेरकॉर्म्स उत्तर पूर्वी परिषद (एनईसी), उत्तर पूर्वी क्षेत्र के विकास मंत्रालय, भारत सरकार के अंतर्गत कार्यरत एक संस्था है। इस कार्यक्रम का उद्घाटन मुख्य अतिथि श्री सतिंदर कुमार भल्ला, माननीय सचिव, उत्तर पूर्वी परिषद (एनईसी) द्वारा किया गया। उन्होंने उत्तर पूर्वी क्षेत्र में 5जी तकनीक की भूमिका को विकास और आर्थिक वृद्धि के दृष्टिकोण से महत्वपूर्ण बताया। श्री लोरहो फोजे, पूर्व उपाध्यक्ष, उत्तर पूर्व सांसद मंच ने अपने विचार साझा करते हुए कहा, यह हैकाथॉन, जो कि डोनर और उत्तर

पूर्वी परिषद (एनईसी) के तत्वावधान में आयोजित किया गया है, दर्शाता है कि 5जी कैसे एक के बाद एक, अनगिनत योगदान के मार्ग खोलता है—जो नवाचारकों

को, उत्तर पूर्व को भारत के दक्षिण-पूर्व एशिया से जोड़ने में उन्हें सशक्त बनाएगा। इस कार्यक्रम में कई विशिष्ट अतिथि और तकनीकी क्षेत्र के अग्रणी विशेषज्ञ भी उपस्थित थे, जिनमें शामिल थे श्री कायियो कायिना टी.एच, प्रबंध निदेशक, नेरकॉर्म्स, श्री डोनाल्ड मावलोटे, मैनेजर-आईसीटी, नेरकॉर्म्स; श्री साजी राधाकृष्णन, बी2बी नेटवर्क प्रमुख, एयरटेल कर्नाटक; डॉ. साजन कपिल, प्रोफेसर, आई आईटी, गुवाहाटी; डॉ. अमृता आनंद, वैज्ञानिक शोधकर्ता, भारतीय कृषि अनुसंधान संस्थान, दिल्ली; श्री प्रदीप गरानी, वरिष्ठ उपाध्यक्ष-जियो प्लेटफॉर्म; श्री दीपक अग्रवाल, मैनेजिंग पार्टनर, वेंचर कैटालिस्ट्स; श्री गौरव अग्रवाल, उपाध्यक्ष-जियो प्लेटफॉर्म; श्री श्रीनिवास राव पुदीपत्ला, डिसॉल्ट सिस्टम्स। इनके अलावा अन्य सम्मानित अतिथिगण एवं तकनीकी क्षेत्र के अग्रणी भी उपस्थित रहे।

एनईआर टैक हैकाथॉन 2.0 बेंगलुरु में 60 टीमों ने लिया हिस्सा

बेंगलुरु, 15 मई। उत्तर पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकॉर्म्स) और अमंत्या टेक्नोलॉजीज़ ने 12 मई 2025 को बेंगलुरु में एनईआर टैक हैकाथॉन 2.0 का सफल आयोजन किया। इस हैकाथॉन में भारत भर के कॉलेजों और स्टार्टअप्स से आई 60 टीमों ने भाग लिया। इसका उद्घाटन मुख्य अतिथि श्री सतिदर कुमार भट्टा, माननीय सचिव, उत्तर पूर्वी परिषद (एनईसी) द्वारा किया गया। उन्होंने उत्तर पूर्वी क्षेत्र में 5जी तकनीक की भूमिका को विकास और आर्थिक वृद्धि के दृष्टिकोण से महत्वपूर्ण बताया। इस पर आगे उन्होंने कहा कि मेरे लिए इस एनईआर टैक हैकाथॉन की असली ताकत इसका मल्टीप्लायर प्रभाव है यहां जो समाधान सामने आएंगे, वे केवल एक समस्या का समाधान नहीं करेंगे, बल्कि पूरे उत्तर पूर्व क्षेत्र में विभिन्न क्षेत्रों में योगदान की एक शृंखला को उत्प्रेरित करेंगे। लौरहो फोजे, पूर्व उपाध्यक्ष, उत्तर पूर्व सांसद मंच ने अपने विचार साझा किया। इस कार्यक्रम में कई विशिष्ट अतिथि और तकनीकी क्षेत्र के अग्रणी विशेषज्ञ भी उपस्थित थे, जिनमें कायियो कायिना टीएच, प्रबंध निदेशक, नेरकॉर्म्स, डोनाल्ड मावलो, मैनेजर आईसीटी, नेरकॉर्म्स; साजी राधाकृष्णन, बी2बी नेटवर्क प्रमुख, एयरटेल कर्नाटक; डॉ. साजन कपिल, प्रोफेसर, आई आईटी, गुवाहाटी; डॉ. अमृता आनंद, वैज्ञानिक शोधकर्ता, भारतीय कृषि अनुसंधान संस्थान, दिल्ली; प्रदीप गरानी, वरिष्ठ उपाध्यक्ष जियो प्लेटफॉर्म; दीपक अग्रवाल, मैनेजिंग पार्टनर, वेंचर कैटालिस्ट्स; गौरव अग्रवाल, उपाध्यक्ष जियो प्लेटफॉर्म; श्रीनिवास राव पुदीमला, डिसॉल्ट सिस्टम्स शामिल थे। इनके अलावा अन्य सम्मानित अतिथिगण एवं तकनीकी क्षेत्र के अग्रणी भी उपस्थित थे।

60 teams battle for 5G breakthroughs at NER Hackathon

Guwahati/ Bengaluru: The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event saw participation from 60 teams representing colleges and start-ups across India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The 1st edition of the hackathon was held on March 11th, 2025 in Guwahati, Assam. The 2nd edition received participation from over 1000+ entries with a variety of ideas under the themes – Healthcare, Agriculture, Animal Husbandry and IoT for Oil & Gas. Sixty (60) entries were shortlisted for the Bengaluru edition. The event was inaugurated by the Chief Guest, Shri Satinder Kumar Bhalla, Hon'ble Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the Northeastern Region. "For me, the true power of this NER Tech Hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of contributions across sectors in the North East" - Shri Satinder Kumar Bhalla. "This hackathon, under the aegis of DoNER and the North Eastern Council, demonstrates how 5G opens countless avenues for contribution—empowering innovators to position the North East as India's gateway to Southeast Asia." Said Shri Lorho Ploze, Former Vice Chairman, North East MPs Forum. Also present at the event were Mr. Kayio Kayina Th, Managing Director, NERCORMS; Mr. Donald Manjot, Manager – ICT, NERCORMS; Mr. Saji Radhakrishnan, B2B Network Head, Airtel Karnataka; Dr. Sajan Kapil, Professor, IIT Guwahati; Dr. Amrita Anand, Scientific Researcher, Indian Agricultural Research Institute, Delhi; Mr. Pradeep Garani, SVP – Jio Platforms; Mr. Deepak Agarwal, Managing Partner, Venture Catalysts; Mr. Gaurav Aggarwal, VP – Jio Platforms; Mr. Sreenivasa Rao Pudipatla,

Dassault Systems; along with other guests and technology leaders. "The technologies being developed today shall help the end users in the

Hackathon 2.0 in Bengaluru, organized by NERCORMS and Amantya Technologies and funded by the Northeastern Council



North Eastern Region. The key lies in identifying the right problem statement—it's about the target market, the demand for the solution you're building. After the initial idea, the real challenge is achieving the right market fit and taking it to the next step," said – Raj Narula, CEO – INCA Synergies while addressing the participants. "At Amantya Technologies, we're proud to build world-class 5G solutions from India for the world. Our eight 5G labs across the North-East Region offer free access to cutting-edge test platforms—empowering youth and start-ups to turn bold ideas into reality. The NER Tech Hackathon is more than a competition—it's a launchpad to push boundaries, fuel growth, and shape the region's connected future." – Rajiv Agarwal, COO – Amantya Technologies. Following an intense showcase of innovation at the NER Tech

and the Ministry of Development of North Eastern Region (MDoNER), Government of India, the winners were officially announced with Manipur-based team AkumenAI, led by Thiyam Akuvan, clinching the Grand Prize of Rs. 10 lakh for their standout 5G-driven solution; the Runners Up, each receiving Rs.2 lakh, included OncoALERT from Assam represented by Jayanti Kumari, DESIGO formed by IIT Guwahati alumni Mahavir Bishnoi, Pooja Bishnoi, and Ashwin Mahawadi, and Zeuron.ai from Bengaluru led by Siddharth Shivakumar Nair, all recognized for their cutting-edge contributions to advancing technological innovation for the North Eastern Region of India. All teams showcased problem-solving skills for their projects, demonstrating potential real-world applications coupled with proof of concepts and live running demos of their solution.

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গাজেজাভহআহ সেবৰ মুৰব্বী দীক্ষান দাৰ কম প্ৰাৰ্থনাধাৰ-প্ৰদৰ্শন হৈ আহিছে।

‘এন ই আৰ টেক হেকাথন ২.০’ত প্ৰতিদ্বন্দ্বিতা ৬০টা দলৰ

গুৱাহাটী, ১৫ মে’ত চলিত বৰ্ষৰ ১২ মে’ত বেংগালুকত এনইআৰ টেক হেকাথন ২.০ৰ যৌথভাৱে সফলতাপূৰ্বক সামৰণি মাৰে নৰ্থ ইষ্টাৰ্ণ বিজনেল কমিউনিটি ৰিচাৰ্চ মেনেজমেণ্ট ছ’চাইটি আৰু অমন্ত্ৰ টেকন’লজিছে। এই প্ৰতিযোগিতাত ভাৰতৰ বিভিন্ন প্ৰান্তৰ মহাবিদ্যালয় আৰু ষ্টাৰ্টআপৰ পৰা মুঠ ৬০টা দলে অংশগ্ৰহণ কৰে। উল্লেখ্য যে, নেৰক’মছৰ ‘সমাজৰ প্ৰত্যাহ্বান সমাধানৰ বাবে এজিৰ ব্যৱহাৰৰ ক্ষেত্ৰত গভীৰ বৈজ্ঞানিক গৱেষণা’ প্ৰকল্পৰ অধীনত এই হেকাথনখনৰ আয়োজন কৰা হয়। উল্লেখযোগ্য যে, নেৰক’মছ হৈছে উত্তৰ-পূৰ্বাঞ্চল পৰিষদ, ভাৰত চৰকাৰৰ উত্তৰ-পূৰ্বাঞ্চল উন্নয়ন মন্ত্ৰণালয়ৰ অধীনস্থ এটি সংস্থা। এই অনুষ্ঠানৰ শুভ উদ্বোধন কৰে উত্তৰ-পূৰ্বাঞ্চল পৰিষদৰ সন্মানীয় সচিব সত্ৰীন্দৰ কুমাৰ ভায়্যাই। অনুষ্ঠানৰ উদ্বোধনী অনুষ্ঠানত ভাষণ প্ৰদান কৰি তেওঁ উত্তৰ-পূব ভাৰতৰ উন্নয়ন আৰু অৰ্থনৈতিক বিকাশত এজি প্ৰযুক্তিৰ গুৰুত্বপূৰ্ণ ভূমিকাৰ ওপৰত আলোকপাত কৰে। আনহাতে, এই উদ্বোধনী অনুষ্ঠানত লগতে উপস্থিত থাকে নেৰক’মছৰ পৰিচালন সঞ্চালক কহিয়ো কহিনা থো, নেৰক’মছ আইটিচিৰ মেনেজাৰ ড’নাৰ্ড মডিলট, এয়াৰটেল কৰ্পাৰেচন ৰি টু বি নেটৱৰ্ক মুৰব্বী সাজী ৰাধাকৃষ্ণন, আই আই টি গুৱাহাটীৰ অধ্যাপক ড° চাজন কপিল, দিল্লীৰ ভাৰতীয় কৃষি গৱেষণা প্ৰতিষ্ঠানৰ বৈজ্ঞানিক গৱেষক ড° অমৃত আনন্দ, জিঅ’ প্লেটফৰ্মছৰ এছ ভি পি প্ৰদীপ গৰাণী, ভেগাৰ কেটালিষ্টৰ পৰিচালন অংশীদাৰ দীপক আগৰৱাল, জিঅ’ প্লেটফৰ্মছৰ ভিপি গৌৰৱ আগৰৱাল আৰু ডক্সাণ্ট চিষ্টেমছৰ প্ৰতিনিধি শ্ৰীনিবাস ৰাও পুডিপাটীলাৰ লগতে প্ৰযুক্তি জগতৰ আন বহু অতিথি আৰু নেতৃবৃন্দ। ইফালে, প্ৰতিযোগিতাৰ অন্তত এন ই আৰ টেক হেকাথন

২.০ বেংগালুকৰ বিজয়ীসকলৰ নাম ঘোষণা কৰা হয়। আকুমেণএআই (মণিপুৰ) শীৰ্ষ পুৰস্কাৰ (১০ লাখ টকা)- থিয়ম আকুভান, অংক’এগাৰ্চি (অসম) ৰানাৰ্ছ আপ (২ লাখ টকা)- জয়ন্তী কুমাৰী ডেচিগ’ (আইআইটি গুৱাহাটীৰ প্ৰাক্তন শিক্ষার্থী)- ৰানাৰ্ছ আপ (২ লাখ টকা)- মহাবীৰ বিয়েগাই, পূজা বিয়েগাই, অশ্বিন মহাবাড়ী, জিউবনএআই (বেংগালুক) ৰানাৰ্ছ আপ (২ লাখ টকা)- সিদ্ধাৰ্থ শিৱকুমাৰ নায়াৰ। এই হেকাথনত সকলো দলেই নিজৰ প্ৰকল্পত সমস্যা সমাধানৰ উৎকৃষ্ট দক্ষতা প্ৰদৰ্শন কৰিবলৈ সক্ষম হয়। তেওঁলোকে সজাব্য ব্যৱহাৰিক প্ৰয়োগ, ধাৰণাটোৰ প্ৰমাণ আৰু তেওঁলোকৰ উদ্ভাৱনৰ লাইভ ডেমো উপস্থাপন কৰি আকৰ্ষণীয় উদ্ভাৱন দক্ষতা প্ৰদৰ্শন কৰিবলৈ সক্ষম হয়।

গল্পেজ্ঞা ভাইআই শেখৰ মুৰব্বী দীৰ্ঘদিন ধৰি কম প্ৰাতিদানিত্ব-প্ৰদৰ্শন হৈ আহিছে।

‘এন ই আৰ টেক হেৰাথন ২.০’ত প্ৰতিদ্বন্দ্বিতা ৬০টা দলৰ

গুৱাহাটী, ১৫ মে’ঃ চলিত বৰ্ষৰ ১২ মে’ত বেংগালুৰুত এনইআৰ টেক হেৰাথন ২.০ৰ যৌথভাৱে সফলতাপূৰ্বক সামৰণি মাৰে নৰ্থ ইষ্টাৰ্ণ বিজ’নেল কমিউনিটি ৰিচ’ৰ্চ মেনেজমেণ্ট ছ’চাইটি আৰু অমন্ত্ৰ টেকন’লজিছে। এই প্ৰতিযোগিতাত ভাৰতৰ বিভিন্ন প্ৰান্তৰ মহাবিদ্যালয় আৰু ষ্টাৰ্টআপৰ পৰা মুঠ ৬০টা দলে অংশগ্ৰহণ কৰে। উল্লেখ্য যে, নেৰক’মছৰ ‘সমাজৰ প্ৰত্যাহ্বান সমাধানৰ বাবে এজিৰ ব্যৱহাৰৰ ক্ষেত্ৰত গভীৰ বৈজ্ঞানিক গৱেষণা’ প্ৰকল্পৰ অধীনত এই হেৰাথনখনৰ আয়োজন কৰা হয়। উল্লেখযোগ্য যে, নেৰক’মছ হৈছে উত্তৰ-পূৰ্বাঞ্চল পৰিষদ, ভাৰত চৰকাৰৰ উত্তৰ-পূৰ্বাঞ্চল উন্নয়ন মন্ত্ৰণালয়ৰ অধীনস্থ এটি সংস্থা। এই অনুষ্ঠানৰ শুভ উদ্বোধন কৰে উত্তৰ-পূৰ্বাঞ্চল পৰিষদৰ সন্মানীয় সচিব সতীশ্চন্দ্ৰ কুমাৰ ভায়াই। অনুষ্ঠানৰ উদ্বোধনী অনুষ্ঠানত ভাষণ প্ৰদান কৰি তেওঁ উত্তৰ-পূব ভাৰতৰ উন্নয়ন আৰু অৰ্থনৈতিক বিকাশত এজি প্ৰযুক্তিৰ গুৰুত্বপূৰ্ণ ভূমিকাৰ ওপৰত আলোকপাত কৰে। আনহাতে, এই উদ্বোধনী অনুষ্ঠানত লগতে উপস্থিত থাকে নেৰক’মছৰ পৰিচালন সঞ্চালক কাহিৰো কাহিনা খো, নেৰক’মছ আইটিচিৰ মেনেজাৰ ড’নাল্ড মাউলট, এয়াৰটেল কৰ্ণাটকৰ বি টু বি নেটৱৰ্ক মুৰব্বী সাজী ৰাধাকৃষ্ণন, আই আই টি গুৱাহাটীৰ অধ্যাপক ড° চাৰ্জন কপিল, দিল্লীৰ ভাৰতীয় কৃষি গৱেষণা প্ৰতিষ্ঠানৰ বৈজ্ঞানিক গৱেষক ড° অমৃতা আনন্দ, জিঅ’ গ্লেটফৰ্মছৰ এছ ডি পি প্ৰদীপ গবানী, ডেপুটী কেটালিষ্টৰ পৰিচালন অংশীদাৰ দীপক আগৰৱাল, জিঅ’ গ্লেটফৰ্মছ ডিপি গৌৰৱ আগৰৱাল আৰু ডছল্ট চিষ্টেমছৰ প্ৰতিনিধি শ্ৰীনিবাস ৰাও পুডি পাটীলাৰ লগতে প্ৰযুক্তি জগতৰ আন বহু অতিথি আৰু নেতৃবৃন্দ। ইফালে, প্ৰতিযোগিতাৰ অন্তত এন ই আৰ টেক হেৰাথন

২.০ বেংগালুৰুৰ বিজয়ীসকলৰ নাম ঘোষণা কৰা হয়। আকুমেণএআই (মণিপুৰ) শীৰ্ষ পুৰস্কাৰ (১০লাখ টকা)- থিয়ম আকুডান, অংক’এলটি (অসম) বানার্ছ আপ (২লাখ টকা)- জয়ন্তী কুমাৰী ডেচিগ’ (আইআইটি গুৱাহাটীৰ প্ৰাক্তন শিক্ষার্থী)- বানার্ছ আপ (২ লাখ টকা)- মহাবীৰ বিয়েগাই, পূজা বিয়েগাই, অশ্বিন মহাবাডী, জিউৰন.এআই (বেংগালুৰু) বানার্ছ আপ (২ লাখ টকা)- সিদ্ধাৰ্থ শিৱকুমাৰ নায়াৰ। এই হেৰাথনত সকলো দলেই নিজৰ প্ৰকল্পত সমস্যা সমাধানৰ উৎকৃষ্ট দক্ষতা প্ৰদৰ্শন কৰিবলৈ সক্ষম হয়। তেওঁলোকে সজ্ঞা ব্যৱহাৰিক প্ৰয়োগ, ধাৰণাটোৰ প্ৰমাণ আৰু তেওঁলোকৰ উদ্ভাৱনৰ লাইভ ডেমো উপস্থাপন কৰি আকৰ্ষণীয় উদ্ভাৱন দক্ষতা প্ৰদৰ্শন কৰিবলৈ সক্ষম হয়।

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60 teams compete at NER Tech Hackathon 2.0 Bengaluru

BENGALURU, MAY 16:— The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event saw participation from 60 teams representing colleges and start-ups across India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NER-CORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

The 1st edition of the hackathon was held on March 11th, 2025 in Guwahati, Assam. The 2nd edition received participation from over 1000+ entries with a variety of ideas under the themes – Healthcare, Agriculture, Animal Husbandry and IoT for Oil & Gas Safety (O&G) entries were shortlisted for the Bengaluru edition.

The event was inaugurated by the Chief Guest, Satinder Kumar Bhalla, Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the northeastern region. "5G is the true pow-

er of this NER Tech Hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of contributions across sectors in North East," said Satinder Kumar Bhalla.

"This hackathon, under the aegis of DoNER and the North East-



ern Council demonstrates how 5G opens countless avenues for contribution — empowering innovators to position the North East as India's gateway to Southeast Asia," said Latha Pooja, Former Vice Chairman, North East MIPs Forum.

Also present at the event were Kayo Kayira TB, MD, NER-CORMS; Donald Mahto, Manag-

er – ICT, NERCORMS; Saji Radhakrishnan, B2B Network Head, Airtel Karnataka; Dr. Sajan Kapil Professor, IIT Guwahati; Dr. Anvita Anand, Scientific Researcher, Indian Agricultural Research Institute, Delhi; Pradeep Garani, SVP – Jo Platforms; Deepak Agarwal, Managing Partner, Venture Catal-

ysts; Gaurav Aggarwal, VP – Jo Platforms; Sreenivasa Rao Pudeppa, Dassault Systems; along with other guests and technology leaders.

"The technologies being developed today shall help the end users in the North Eastern Region. The key lies in

identifying the right problem statement—it's about the target market, the demand for the solution you're building. After the initial idea, the real challenge is achieving the right market fit and taking it to the next step," said Raj Narula, CEO, INCA Synergies while addressing the participants.

"At Amantya Technologies, we're proud to build world-class 5G so-

lutions from India for the world. Our eight 5G labs across the North-East Region offer free access to cutting-edge test platforms—empowering youth and start-ups to turn bold ideas into reality. The NER Tech Hackathon is more than a competition—it's a launchpad to push boundaries, fuel growth, and shape the region's connected future," said Rajiv Agarwal, COO, Amantya Technologies.

After the competition, the following winners of NER Tech Hackathon 2.0, Bengaluru, were announced as follows:

- AkumenAI (Manipur) – Grand Prize (₹ 10L) - Thyam Akuan
- OncoALERT (Assam) - Runners Up (₹ 2L) - Joyanti Kumar
- DESIGO (IIT Guwahati Alumni) - Runners Up (₹ 2L) - Mahavir Bishtnoi, Pooja Bishtnoi, Aashwin Mahawadi
- Zeurto.ai (Bengaluru) – Runners Up (₹ 2L) - Siddharth Shivakumar Nair

All teams showcased problem-solving skills for their projects, demonstrating potential real-world applications coupled with proof of concepts and live running demos of their solution.

NET BUREAU

AkumenAI wins big as NER Tech Hackathon 2.0 catalyzes 5G innovation for Northeast in Bengaluru

Gangtok: Sixty teams from across India competed in the NER Tech Hackathon 2.0, held in Bengaluru and jointly organized by NERCORMS and Amantya Technologies. Funded by the North Eastern Council (NEC) under the Ministry of Development of North Eastern Region (MDoNER), the event focused on leveraging 5G to address societal challenges in the Northeast. Held under the theme "Deepening of Scientific Research on 5G Use Cases," the hackathon saw participation from over 1,000 entries, with final themes spanning healthcare, agriculture, animal husbandry, and IoT for oil and gas.

The grand prize of ₹10 lakh was bagged by Manipur's AkumenAI, followed by three runners-up including Assam-based OncoALERT. NEC Secretary Shri Satinder Kumar Bhalla, the



chief guest, emphasized the event's transformative potential. "Solutions from this hackathon will trigger a chain of contributions across sectors

in the Northeast," he stated. Amantya COO Rajiv Agarwal hailed the hackathon as a "launchpad to shape the region's connected future."

Manipur

60 teams compete at NER Tech Hackathon 2.0 Bengaluru, organized by NERCORMS and Amantya Technologies

Aizawl: The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event has seen participation from 60 teams representing colleges and start-ups across India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The 1st edition of the hackathon was held on March 11th, 2025, in Guwahati, Assam. "The event was inaugurated by the chief guest, Shri Satinder Kumar Bhalla, Hon'ble Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the Northeastern Region. "For me, the true power of this NER Tech Hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of contributions across sectors in North East" - Shri Satinder Kumar Bhalla. "This hackathon, under the aegis of DoNER and the North Eastern Council, demonstrates how 5G opens countless avenues for contribution—empowering innovators to position the North East as India's gateway to Southeast Asia." Said Shri Lortho Pfoze, Former Vice Chairman, North East MPs Forum. "After the initial idea, the real challenge is achieving the right market fit and taking it to the next step." said - Raj Narula, CEO - INCA Synergies, while addressing the participants. "At Amantya Technologies, we're proud to build world-class 5G solutions from India for the world." - Rajiv Agarwal, COO - Amantya Technologies.

মণিপুরগী অকুমেণ এ আই চাউনা মায় পাক্লে

বেঙ্গলুরু, মে ১৪ (এজেন্সী):

বেঙ্গলুরু নরকোর্মসনা অমন্ট্যা টেক্সলোজিসগা খুংশম্মদুনা শিল্লিবা এন ঙ্গ আর টেক হেকাথোন ২.০ দা মণিপুরদা বেজ তৌবা অকুমেণ এ আইনা মখেয়গী এ আই-পরাদ সোলুশনগীদমক লুপা লাফ ১০ গী মনা ফংবা ওমশ্রে।

টেক হেকাথোন অসিদা লৈবাক অসিগী নহাশিংনা অরাং নোংপোজা মীয়ান্না থেংনরিবা খুদেংচাদবশিংগী

সোলুশন টেক্সলোজিগী মতেংনা পুরকপা ওল্লবা হেংনরি। নোর্থইষ্টার্ন কাউন্সিল, মিনিষ্টি ওফ দোনরনা শৌগৎপা ইভেন্ট অসিদা মীওই লীশিং ১ হেনবনা শরুক য়ারি। মণিপুরগী অকুমে এ আইনা টেক হেকাথোন অসিদা চাউনা মায় পাকখিবসিনা মণিপুরগী লোকেল ওম্মপ্রে নরশিংবু হেমা পুক্টিং যৌগৎলগনি হায়না ষ্টাটঅপ সিগী ফাউন্ডরনা ফোওদোকখি।

NER Tech Hackathon 2.0 showcases 5G talent, Manipur's AkumenAI wins top prize in Bengaluru

Agartala : NERCORMS, in collaboration with Amantya Technologies and supported by the North Eastern Council (NEC), Ministry of DoNER, successfully concluded the NER Tech Hackathon 2.0 in Bengaluru. The initiative, part of the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society," attracted



over 1,000 entries nationwide, with 60 top teams shortlisted for the final event. Manipur-based start-up AkumenAI emerged as the grand prize winner, receiving ₹10 lakh. Runners-up included OncoALERT (Assam), DESIGO (IIT Guwahati alumni), and Zeuron.ai (Bengaluru), each awarded ₹2 lakh. Finalists demonstrated real-world 5G applications in healthcare, agriculture, animal husbandry, and IoT for oil & gas, with live demos and proof-of-concept presentations. Chief Guest Shri Satinder Kumar Bhalla, NEC Secretary, praised the hackathon's potential for economic transformation in the Northeast. Industry leaders from Airtel, Jio Platforms, IIT Guwahati, and others participated in mentoring and judging sessions. "Agartala see high relevance. "Solutions from this platform could address local healthcare gaps and digital agriculture needs, offering direct market benefits," said a tech incubator executive. "Amantya CDO Rajiv Agarwal reaffirmed commitment to Northeast innovation, citing the company's eight regional 5G labs as enablers of scalable, inclusive growth.

Arunachal Pradesh

60 teams compete at NER Tech Hackathon 2.0 Bengaluru, organized by NERCORMS and Amantya Technologies

ITANAGAR, MAY 16:

The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event has seen participation from 60 teams representing colleges and start-ups across India. The hackathon was organized

under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The 1st edition of the hackathon was held on March 11th, 2025, in Guwahati, Assam.

The event was inau-

gurated by the chief guest, Shri Satinder Kumar Bhalia, Hon'ble Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the Northeastern Region. "For me, the true power of this NER Tech Hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of con-

tributions across sectors in North East" - Shri Satinder Kumar Bhalia. "This hackathon, under the aegis of DoNER and the North Eastern Council, demonstrates how 5G opens countless avenues for contribution—empowering innovators to position the North East as India's gateway to Southeast Asia." Said Shri Lorho Ploze, Former Vice Chairman,

North East MPs Forum. "After the initial idea, the real challenge is achieving the right market fit and taking it to the next step," said - Raj Narula, CEO - INCA Synergies, while addressing the participants. "At Amantya Technologies, we're proud to build world-class 5G solutions from India for the world." - Rajiv Agarwal, COO - Amantya Technologies.

NER Tech Hackathon 2.0 spurs 5G start-up momentum, Manipur's AkumenAI bags Rs 10 lakh in Bengaluru

Kohima: The NER Tech Hackathon 2.0, hosted in Bengaluru and backed by the North Eastern Council (NEC) under MDoNER, concluded with strong signals of a growing 5G innovation ecosystem in India's Northeast. Organized by NERCORMS and Amantya Technologies, the event attracted 1,000+ national entries, with 60 teams competing in the final round across themes such as healthcare, agriculture, animal husbandry, and IoT for oil & gas.

AkumenAI (Manipur) won the grand prize of ₹ 10 lakh, while OncoALERT (Assam), DESIGO (IIT Guwahati alumni), and Zeuron.ai (Bengaluru) secured ₹ 2 lakh each as runners-up. Solutions presented included live demos and proof-of-concept applications tailored for societal challenges in the region.

NEC Secretary Shri Satinder Kumar Bhalla emphasized the hackathon's potential to trigger cross-sectoral growth. Investors from Jio Platforms, Airtel, and Venture Catalysts highlighted market scalability and demand alignment. In Kohima, growing youth-led start-up culture is seen as fertile ground for such solutions. "5G-backed innovations in agri-tech and healthcare could transform local economies, improving logistics and digital reach," said a tech entrepreneur. Amantya COO Rajiv Agarwal described the hackathon as a launchpad for 5G-driven regional development, powered by free-access labs across Northeast India.

60 teams compete at NER Tech Hackathon 2.0 Bengaluru

BENGALURU, MAY 18: The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event saw participation from 60 teams representing colleges and start-ups across India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NER-CORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India.

The 1st edition of the hackathon was held on March 1st, 2025 in Guwahati, Assam. The 2nd edition received participation from over 1000+ entries with a variety of ideas under the themes – Healthcare, Agriculture, Animal Husbandry and IoT for Oil & Gas. Sixty entries were shortlisted for the Bengaluru edition.

The event was inaugurated by the Chief Guest, Satinder Kumar Bhalla, Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the Northeastern Region. "For me, the true pow-

er of the NER Tech hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of contributions across sectors in North East," said Satinder Kumar Bhalla.



"The hackathon, under the aegis of DoNER and the North Eastern Council, demonstrates how 5G opens countless avenues for contribution — empowering innovators to position the North East as India's gateway to Southeast Asia," said Lortho Phoze, Former Vice Chairman, North East MPs Forum.

Also present at the event were Kayla Kayina Th, MD, NER-CORMS; David Maxwell, Manag-

er – ICT, NER-CORMS; Soji Radhakrishnan, B2B Network Head; Akhil Kantawala; Dr. Sajan Kapil, Professor, IIT Guwahati; Dr. Anil Kumar Arand, Scientific Researcher, Indian Agricultural Research Institute, Delhi; Praveen Gauri, SVP – Jio Platform;

Deepak Agarwal, Managing Partner, Venture Catalysts; Gaurav Aggarwal, VP – Jio Platform; Seemima Rao Purdumala, Dassault Systems; along with other guests and technology leaders.

"The technologies being developed today shall help the end users in the North Eastern Region. The key lies in identifying the right problem statement—it's about the target market, the demand for the solution you're building. After the initial idea, the real challenge is achieving the right market fit and taking it to the next step," said Raj Narula, CEO, NCA Synergies while addressing the participants.

"At Amantya Technologies, we're

proud to build world-class 5G solutions from India for the world. Our eight 5G labs across the North-East Region offer free access to cutting-edge test platforms—empowering youth and start-ups to turn bold ideas into reality. The NER Tech Hackathon is more than a competition—it's a launchpad to push boundaries, fuel growth, and shape the region's connected future," said Rajiv Agarwal, COO, Amantya Technologies.

After the competition, the following winners of NER Tech Hackathon 2.0 Bengaluru were announced as follows:

- AkumenAI (Manipur) - Grand Prize (₹ 10L) - Thiyam Akivan
- OncoALERT (Assam) - Runners Up (₹ 2L) - Jayanti Kumari
- DESIGO (IIT Guwahati Alumni) - Runners Up (₹ 2L) - Mahavi Bishnoi, Pooja Bishnoi, Aashwin Mahawadi.
- Zeurmo.ai (Bengaluru) - Runners Up (₹ 2L) - Siddharth Shiva Kumar Nair

All teams showcased problem-solving skills for their projects, demonstrating potential real-world applications coupled with proof of concepts and live running demos of their solution.

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एनईआर टैक हैकार्थॉन 2.0 बेंगलुरु में 60 टीमों ने लिया हिस्सा

भास्कर समाचार सेवा

दिल्ली। उत्तर पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकोईम) और अमृत्य टेक्नोलॉजीज ने 12 मई 2025 को बेंगलुरु में एनईआर टैक हैकार्थॉन 2.0 का सफल आयोजन किया। इस हैकार्थॉन में भारत भर के कनेक्टेड और स्टार्टअप से आई 60 टीमों ने भाग लिया। यह हैकार्थॉन नेरकोईम द्वारा आयोजित परियोजना "समाज की मुश्किलों को हल करने के लिए 5जी डायलॉग मामलों पर वैज्ञानिक अनुसंधान को सहन करने" के अंतर्गत आयोजित किया गया, नेरकोईम उत्तर पूर्वी परिसर (एनईसी), उत्तर पूर्वी क्षेत्र के विकास मंत्रालय, भारत सरकार के अंतर्गत कार्यरत एक संस्था है। इस कार्यक्रम का उद्घाटन मुख्य अतिथि श्री सरिंदर कुमार भाला, सचिव, उत्तर पूर्वी परिसर (एनईसी) द्वारा किया गया। उन्होंने उत्तर पूर्वी क्षेत्र में 5जी तकनीक की भूमिका को विकास और आर्थिक वृद्धि के दृष्टिकोण से महत्वपूर्ण बताया। "श्री लोगो

फोने, पूर्व उपाध्यक्ष, उत्तर पूर्व संसद मंच ने अपने विचार साझा करते हुए कहा, "यह हैकार्थॉन, जो कि क्षेत्र और उत्तर पूर्वी परिसर (एनईसी) के तालमेल में आयोजित किया गया है, दर्शाता है कि 5जी कैसे एक के बाद एक, अमंगलत योगदान के मार्ग खोलता है। इस कार्यक्रम में कई विशिष्ट अतिथि और तकनीकी क्षेत्र के अग्रणी विशेषज्ञ भी उपस्थित थे, जिनमें शामिल थे श्री कनिश कविता टी.एच., प्रबंध निदेशक, नेरकोईम, श्री डॉनल्ड मावतोद, मैनेजर - आईसीटी, नेरकोईम, श्री साजी राधाकृष्णन, सी२बी नेटवर्क प्रमुख, एपार्टेल कनाटक; डॉ. साजन कपिल, डोफेसर, आई आईटी, मुंबाई; डॉ. अमृत आनंद, वैज्ञानिक सौधकर्ता, भारतीय वृषि अनुसंधान संस्थान, दिल्ली; श्री प्रदीप गहनी, वरिष्ठ उपाध्यक्ष झ जियो प्लेटफॉर्म; श्री दीपक अडवाल, मैनेजिंग पार्टनर, वेंचर कैटलिस्ट्स; श्री गौरव अडवाल, उपाध्यक्ष - नियो प्लेटफॉर्म; श्री श्रीनिवास राव पुरीवाल, डायरेक्टर सिस्टम्स।

एनईआर टैक हैकार्थॉन 2.0 बेंगलुरु में 60 टीमों ने लिया हिस्सा

नई दिल्ली, 19 मई (प.स.): उत्तर पूर्वी क्षेत्रीय सामुदायिक संसाधन प्रबंधन समिति (नेरकॉर्मस) और अमृत्या टेक्नोलॉजीज ने एनईआर टैक हैकार्थॉन 2.0 का सफल आयोजन किया। इस हैकार्थॉन में भारत भर के कॉलेजों और स्टार्टअप्स से आई 60 टीमों ने भाग लिया। यह हैकार्थॉन नेरकॉर्मस द्वारा आयोजित परियोजना -समाज की मुश्किलों को हल करने के लिए 5जी उपयोग मामलों पर वैज्ञानिक अनुसंधान को गहन करने- के अंतर्गत आयोजित किया गया, नेरकॉर्मस उत्तर पूर्वी परिषद (एनईसी), उत्तर पूर्वी क्षेत्र के विकास मंत्रालय, भारत सरकार के अंतर्गत कार्यरत एक संस्था है।

60 Teams Compete at NER Tech Hackathon 2.0 Bengaluru

PRESS TRUST OF INDIA ■ New Delhi

The North Eastern Regional Community Resource Management Society (NERCORMS) and Amantya Technologies concluded the NER Tech Hackathon 2.0 Bengaluru on May 12, 2025. The event saw participation from 60 teams representing colleges and start-ups across India. The hackathon was organized under the project "Deepening of Scientific Research on 5G Use Cases for Solving Challenges of Society" by NERCORMS, a society under the North Eastern Council (NEC), Ministry of Development of North Eastern Region, Government of India. The event was inaugurated by the Chief Guest Satinder Kumar

Bhalla, Hon'ble Secretary, North Eastern Council (NEC), who emphasized the role of 5G in development and economic growth in the Northeastern Region. "For me, the true power of this NER Tech Hackathon lies in its multiplier effect—solutions born here won't just tackle one problem, they will trigger a chain of contributions across sectors in North East" - Shri Satinder Kumar Bhalla. "This hackathon, under the aegis of DoNER and the North Eastern Council, demonstrates how 5G opens countless avenues for contribution—empowering innovators to position the North East as India's gateway to Southeast Asia." Said Lorho Pfoze, Former Vice Chairman, North East MPs Forum.

Event Photos







Impact of Hackathons

- Emergence of high-potential prototypes aligned with NER needs
- Increased interest in research and entrepreneurship
- Strengthened institutional innovation culture
- National-level attention through media coverage
- Strong student exposure to 5G technologies

The hackathons became catalysts for innovation, bringing together talent, technology, and real-world problem-solving under a single platform. They played a pivotal role in the project's success by inspiring students, empowering community innovators, and creating meaningful prototypes for the region.

Annexure 2: Product/solutions/IPs developed Details

S.No.	Name	State	Brief
1	Server Drone	Manipur	Smart. Autonomous. Life-Saving integrated drone system combining long-range drones for medical supply delivery
2	JalSwasth WiFi	Nagaland	Wi-Fi-enabled systems allow remote and continuous tracking of critical water quality parameters such as temperature, pH, and dissolved oxygen. These solutions provide real-time data and control, helping optimize fish growth and reduce mortality rates. By enabling data-driven decision-making and minimizing human intervention, this technology enhances efficiency, promotes sustainability, and improves profitability in aquaculture operations
3	JalRakshak 4G	Nagaland	4G connectivity supports remote and continuous monitoring of water quality parameters such as temperature, pH, and dissolved oxygen. With stable data transmission, farmers can access real-time information, optimize fish growth, and reduce mortality rates. This technology facilitates data-driven decision-making, lowers manual intervention, and improves the overall efficiency and profitability of aquaculture operations

S.No.	Name	State	Brief
4	NeerWatch 5G	Nagaland	5G technology enables ultra-reliable, low-latency, and high-speed monitoring of critical water parameters like temperature, pH, and dissolved oxygen. Real-time insights and instant control actions ensure optimal fish growth conditions and rapid response to environmental changes. With its capacity to handle large-scale IoT sensor networks, 5G enhances precision, sustainability, and profitability in aquaculture while reducing human effort through automation and intelligent data management
5	GrihRaksha - WiFi	Nagaland	An IoT-enabled device equipped with Passive Infrared (PIR) sensors detects unauthorized movement and transmits real-time alerts over Wi-Fi. Continuous monitoring ensures quick response, improved security, and reduced human dependency for theft prevention
6	Flood Monitoring System	Assam	Real Time flood monitoring This project proposes a smart, IoT-based flood monitoring and mapping system that combines ground-level sensors with aerial drones to give cities the visibility and speed they need during flood emergencies
7	Water Quality Monitoring System	Tripura	Lack of real-time monitoring and management of water quality and usage leads to wastage, contamination, and inefficient resource utilization.
8	3D Printing	Tripura	Visually impaired individuals face challenges in navigation, and lack of accessible spatial awareness tools limits their independent movement

S.No.	Name	State	Brief
9	HydroSense	Tripura	Inadequate monitoring of water pH, dissolved oxygen levels, and other parameters leads to poor fish health and mortality in aquaculture systems
10	Nibiaa Devices Team	Manipur	The oil, gas, and mining industries face significant challenges in ensuring personnel safety, communication, and monitoring in remote locations
11	AkumenAI	Manipur	Focused on building indigenous assistive technologies for the visually impaired, elderly, and individuals with developmental or neurological disabilities
12	IndiMeat	Assam	Developing a cluster of women livestock farmers for high demand natural meat protein and value added products with block chain traceability
13	DESIGO®	Assam	Proposes to establish tech-driven, women-led, zero-plastic milk production and distribution hubs in the North East
14	RakshakNet 4G	Nagaland	A 4G-enabled IoT device with Passive Infrared (PIR) sensors detects unauthorized movement and transmits real-time alerts via 4G networks. It enables continuous remote monitoring, quick notifications, and reliable security, even in areas with limited Wi-Fi access
15	SurakshaBeam 5G	Nagaland	A 5G-enabled IoT device with PIR sensors provides ultra-fast, low-latency theft detection with real-time monitoring and instant alerts. Its high bandwidth supports large-scale deployment of connected security devices, ensuring

S.No.	Name	State	Brief
			seamless data transmission, rapid response, and enhanced automation for smarter security systems.
16	RakshaView AI	Nagaland	Design a comprehensive theft detection system using IoT-enabled sensors such as PIR (Passive Infrared) to detect unauthorized movement. The system continuously monitors activity and sends real-time alerts via 4G, 5G, or Wi-Fi connectivity. By integrating remote monitoring, automated notifications, and data logging, this solution enhances security, reduces response time, and minimizes human intervention, providing a scalable and efficient approach to theft prevention
17	Hydroponic Farming	Nagaland	Method of growing plants without soil using nutrient-rich water solutions, offers several advantages over traditional agriculture, making it a valuable use case in various contexts
18	Portable Alexa Device	Nagaland	Personal assistant that can go anywhere with you
19	VayuCheck WiFi	Meghalaya	An IoT device equipped with PM2.5/PM10 dust sensors and an LCD display monitors air quality in real time. Data is transmitted over Wi-Fi, allowing users to track pollution levels continuously and make informed decisions to maintain a healthy environment.
20	AirRakshak 4G	Meghalaya	A 4G-enabled IoT device with PM2.5/PM10 sensors provides remote, continuous air quality monitoring. Real-time data transmission ensures users can access pollution levels

S.No.	Name	State	Brief
			from anywhere, supporting timely actions to reduce exposure and improve environmental safety.
21	VayuSuraksha 5G	Meghalaya	A 5G-enabled IoT system with PM2.5/PM10 dust sensors and LCD display offers ultra-fast, low-latency monitoring of air quality. Large-scale deployments are possible with seamless, real-time data streaming, enabling advanced analytics, instant alerts, and smarter environmental management.
22	AirDrishti AI	Meghalaya	A smart IoT dashboard solution monitors PM2.5 and PM10 levels in real time using dust sensors and an LCD interface. Data is transmitted over Wi-Fi, 4G, or 5G networks, enabling continuous tracking of air quality from anywhere. The dashboard provides live readings, historical trends, and alerts, empowering users to make data-driven decisions for environmental safety. Its connectivity options support scalable deployments, instant notifications, and efficient management of multiple monitoring sites
23	Touch Based Theft Detection	Meghalaya	Visually impaired individuals face challenges in navigation, and lack of accessible spatial awareness tools limits their independent movement
24	Smart Waste Segregation Bin	Meghalaya	Design and Implementation of a Smart Waste Segregation Bin Using Fuzzy Logic

S.No.	Name	State	Brief
25	HelmetNetra	Assam	A smart helmet equipped with alcohol detection sensors, GPS, accelerometer, and a buzzer provides real-time safety monitoring. Connected via 4G, the IoT-enabled device transmits data continuously to a remote dashboard, enabling instant alerts in case of alcohol detection, accidents, or unsafe driving behavior. This system enhances rider safety, supports timely interventions, and allows data-driven monitoring for preventive measures
26	SurakshaHelmet 4G	Assam	A 4G-connected smart helmet combines alcohol detection, GPS tracking, accelerometer sensing, and buzzer alerts for real-time rider safety. Remote monitoring over 4G ensures instant notifications to users or guardians, enabling quick responses to accidents or unsafe driving behavior, even in areas without Wi-Fi coverage.
27	KavachPro	Assam	Detection of different gas as urgent for health and safety concern in mining industry as well as for household solution
28	UltraKavach 5G	Assam	A 5G-enabled smart helmet offers ultra-fast, low-latency monitoring with alcohol detection sensors, GPS, accelerometer, and buzzer alerts. Real-time data streaming supports advanced analytics, large-scale fleet monitoring, and instant intervention for accidents or unsafe driving. This solution maximizes safety, automation, and smart connectivity for modern transportation systems.

S.No.	Name	State	Brief
29	GasGuard WiFi	Assam	Gas Guard is a 5G-enabled IoT device equipped with LPG and buzzer sensors for real-time monitoring of gas leaks in agricultural or other field environments. Ultra-fast, low-latency 5G connectivity ensures instant transmission of critical alerts, enabling immediate action to prevent accidents and ensure safety
30	Smart Locks & Access Control	Mizoram	Keys can get lost, stolen, or copied without you knowing. It's also hard and unsafe to share keys with family, guests, or workers. Normal locks can be picked or broken easily. If someone loses a key or moves out, you often have to change the whole lock to keep things secure.
31	Face Tracking System with Laser	Mizoram	A Face Tracking System with Laser is a system that detects and follows a person's face in real-time and uses a laser pointer or laser module to point or interact based on that tracking. In defense or robotics projects, it can be used to aim a laser or device toward a target (like a face or person).
32	Automatic light using PIR Sensor	Mizoram	If lights are not turned off, they stay on even when no one is there, especially at night. This uses more electricity and makes your bill go up. Also, when lights are used too much, they stop working faster. So, you will have to change them more often and spend more money on fixing them.

S.No.	Name	State	Brief
33	Water Level Monitoring	Mizoram	Traditional water monitoring methods are manual, time-consuming, and often fail to provide real-time data, leading to problems such as overflow, wastage, or dry conditions. In many rural and urban areas, water tanks and reservoirs lack intelligent systems to monitor and manage water levels effectively. There is a critical need for an automated, reliable, and cost-effective solution to monitor water levels in real-time and provide alerts when water reaches critical levels (too high or too low). Such a system can prevent overflow, detect leakage, support water conservation efforts, and reduce human intervention.
34	Smart Farming	Mizoram	Traditional farming practices often rely on manual monitoring and guesswork for critical parameters such as soil moisture, temperature, and humidity. This results in inefficient use of water and resources, poor crop yield, and increased operational costs. Farmers face challenges in understanding the precise needs of their crops due to a lack of real-time environmental data. Over-irrigation or under-irrigation, unmonitored temperature fluctuations, and humidity variations can severely affect crop health and productivity.
35	NPK-Mitra	Pashighat	A 5G-enabled NPK-Mitra system offers ultra-fast, low-latency monitoring of soil nutrients. It supports large-scale sensor networks, seamless data streaming, and advanced

S.No.	Name	State	Brief
			analytics, helping optimize fertilization, maximize crop yield, and promote sustainable farming practices.
36	MeghAlert Pro	Pashighat	MeghAlert Pro is a 5G-enabled IoT device integrating NPK, wind, rainfall, and Raspberry Pi-based sensors for real-time monitoring of agricultural field conditions. High-speed, low-latency 5G connectivity allows continuous data transmission to a cloud platform, enabling instant insights, alerts, and predictive analysis for better crop management and decision-making.
37	KrishiVayu Monitor	Pashighat	KrishiVayu Monitor is a 5G-enabled IoT device integrating CO ₂ , humidity, temperature sensors, and Raspberry Pi for real-time monitoring of agricultural field conditions. High-speed, low-latency 5G connectivity ensures continuous data transmission, enabling instant insights, alerts, and data-driven decision-making for optimized crop management.
38	SoilSanket	Pashighat	The solution consolidates real-time data from all sensors, displaying soil nutrient levels, historical trends, and alerts. Farmers can visualize field conditions, track multiple plots, and make informed decisions on fertilizer application, irrigation, and crop management. Connectivity via Wi-Fi, 4G, or 5G ensures continuous, remote monitoring and efficient agricultural management.

S.No.	Name	State	Brief
39	VarshaDrishti	Pashighat	The solution consolidates real-time data from all sensors, displaying soil nutrients, wind speed, rainfall levels, and historical trends. Farmers can monitor multiple fields remotely, receive instant notifications of adverse conditions, and take timely, data-driven actions to optimize productivity, reduce losses, and enhance sustainable farming practices.
40	MausamWatch	Pashighat	The solution aggregates real-time data from all sensors, displaying CO ₂ levels, humidity, temperature trends, and historical data. Farmers can remotely monitor multiple fields, receive timely alerts for adverse conditions, and make informed decisions to enhance crop health, productivity, and sustainability.
41	Kokborok to ISL	Tripura	The project aims to bridge this communication gap by developing a digital repository that links English, Bengali, and Kokborok words with Indian SignLanguage (ISL) videos, thereby creating an inclusive, multilingual platform for learning and communication.
42	SignLator Tech	Tripura	Deaf users and sign-language communities (ISL, ASL, etc.) lack real-time translation into local spoken languages.

S.No.	Name	State	Brief
43	Design and Implementation of Location Based Alert System Using Esp32	Manipur	This project focuses on the development of a real-time location tracking system using the ESP32 microcontroller. The system integrates a GPS module to acquire precise location data and employs GSM connectivity for secure data transmission. Cloud technology is utilized for reliable data storage and management. A web-based interface allows real-time visualization of location data, demonstrating the effectiveness of IoT technology in location-based applications and enabling timely alerts and efficient monitoring.
44	Smart Home Automation and Monitoring System	Manipur	The main objective is to design a system with capabilities of monitoring critical environmental and electrical parameters within a home environment to improve safety, energy efficiency, and automation
45	Cold Storage	Manipur	We are training an AI model capable of analyzing crop health based on sensor data. The model predicts soil quality, moisture levels, and potential crop diseases. We have started collecting training data from real-world agricultural conditions.
46	PashuWatch 4G	Assam	Livestock monitor belt - 4G - tracking livestock movement in a field can provide insights into their metabolism. Livestock activity levels, including how much they move around, can be a good indicator of their overall health and energy expenditure.

S.No.	Name	State	Brief
47	PashuMitra 5G	Assam	Livestock monitor belt - 5G tracking livestock movement in a field can provide insights into their metabolism. Livestock activity levels, including how much they move around, can be a good indicator of their overall health and energy expenditure.
48	TextPehchaan	Manipur	TextPehchaan is an OCR (Optical Character Recognition) solution designed to read and digitize data from legacy meters. By capturing and processing meter readings in real time, it eliminates manual entry errors, improves efficiency, and enables seamless integration with modern IoT or data management systems.
49	SwasthJal	Assam	Wi-Fi-enabled systems allow remote and continuous tracking of critical water quality parameters such as temperature, pH, and dissolved oxygen. These solutions provide real-time data and control, helping optimize fish growth and reduce mortality rates. By enabling data-driven decision-making and minimizing human intervention, this technology enhances efficiency, promotes sustainability, and improves profitability in aquaculture operations

S.No.	Name	State	Brief
50	AquaView	Sikkim	The solution consolidates real-time data from all sensors, displaying soil nutrients, wind speed, rainfall levels, and historical trends. Farmers can monitor multiple fields remotely, receive instant notifications of adverse conditions, and take timely, data-driven actions to optimize productivity, reduce losses, and enhance sustainable farming practices.
51	KrishiAir Pro	Sikkim	KrishiAir Pro is a 5G-enabled IoT device integrating CO ₂ , humidity, temperature sensors, and Raspberry Pi for real-time monitoring of agricultural field conditions. High-speed, low-latency 5G connectivity ensures continuous data transmission, enabling instant insights, alerts, and data-driven decision-making for optimized crop management.
52	SoilSync IoT	Sikkim	A 5G-enabled SoilSync IoT system provides high-speed, low-latency monitoring of soil nutrients. It facilitates large-scale sensor integration, continuous data streaming, and advanced analytics, enabling precise fertilization, improved crop yield, and sustainable agricultural practices.

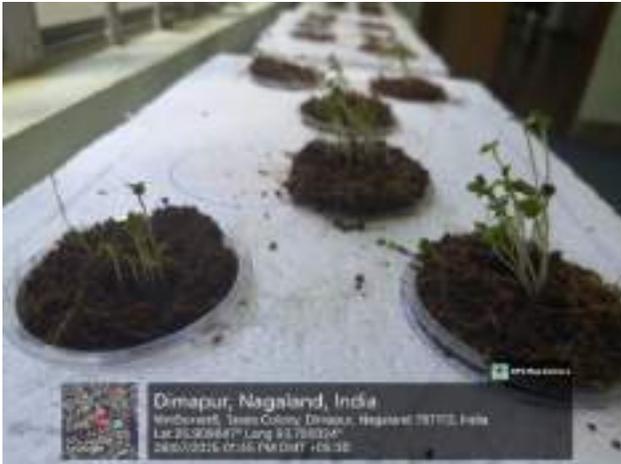
Pasighat – IOT Weather KIT



Portable Alexa



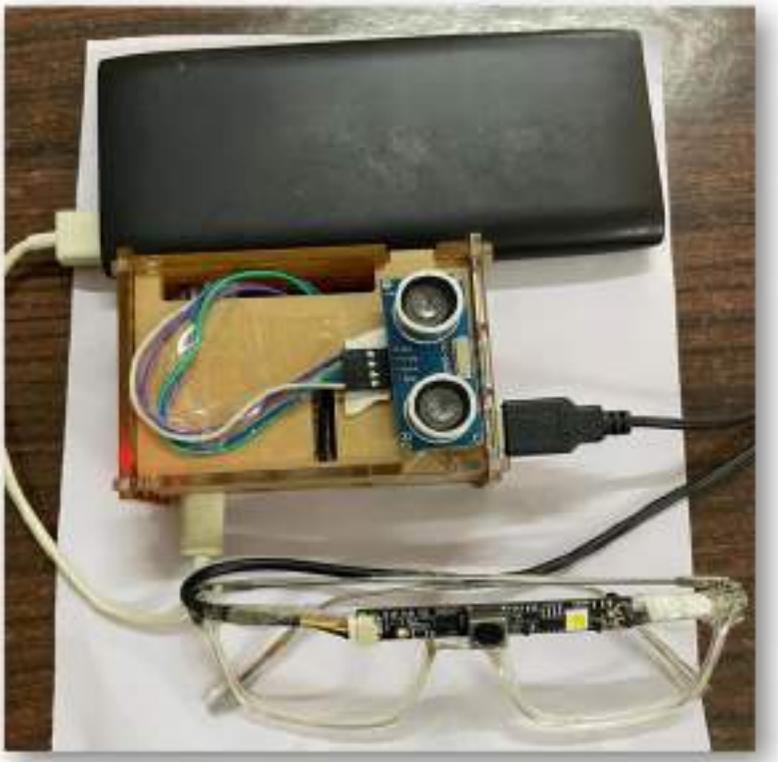
Hydroponic Farming



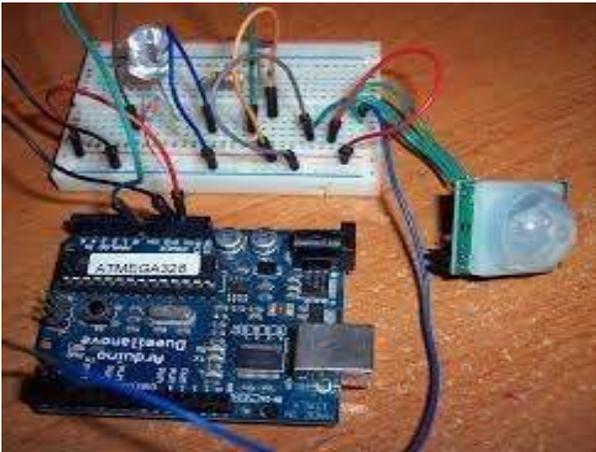
Water Quality Monitoring System



3D Printing



Smart Light Using PIR Sensor



Air Alert Wifi



Smart Segregation Kit



Smart Home Automation



IOT Based Water Monitoring System



Smart Helmet



Serve Drone



Livestock Monitoring Belt



Course Details

S. No.	COURSE NAME	5G LAB LOCATION	STUDENTS ENROLLED
1	Evolution From 1G to 5G	Coa, Pasighat Tripura University Immanuel College Nehu Sanchaman Limboo Govt Degree College Mit Tech City Govt Serchhip College	625
2	Introduction To 5G	Coa, Pasighat Nehu Immanuel College Tripura University Govt Serchhip College Mit Sanchaman Limboo Govt Degree College Tech City	605
3	Spectrum Bands	Mit Immanuel College Nehu Coa, Pasighat Sanchaman Limboo Govt Degree College Govt Serchhip College Tripura University Tech City	327
4	5G RAN & Scenarios	Sanchaman Limboo Govt Degree College Mit Coa, Pasighat Tripura University Immanuel College Tech City Nehu Govt Serchhip College	220
5	5G Core	Tripura University Sanchaman Limboo Govt Degree College Mit Coa, Pasighat Nehu Immanuel College Tech City Govt Serchhip College	82
6	Testing Equipment Validation	Immanuel College Nehu Tripura University Coa, Pasighat Tech City Govt Serchhip College Sanchaman Limboo Govt Degree College Mit	3

S. No.	COURSE NAME	5G LAB LOCATION	STUDENTS ENROLLED
7	Use Cases of 5G in Various Sectors	Immanuel College Tripura University Govt Serchhip College Coa, Pasighat Nehu Sanchaman Limboo Govt Degree College Mit Tech City	286
8	5G and IoT Fundamentals	Nehu Coa, Pasighat Tripura University Mit Govt Serchhip College Immanuel College Sanchaman Limboo Govt Degree College Tech City	203
9	Embedded Systems & IoT Integration	Immanuel College Tripura University Nehu Govt Serchhip College Coa, Pasighat Mit Tech City Sanchaman Limboo Govt Degree College	160
10	5G Fundamentals & Use Cases	Coa, Pasighat Mit Tripura University Govt Serchhip College Nehu Immanuel College Sanchaman Limboo Govt Degree College Tech City	648
11	Embedded Software	Coa, Pasighat Mit Govt Serchhip College Tripura University Immanuel College Sanchaman Limboo Govt Degree College Tech City Nehu	135
12	5G Enabled IoT Connectivity	Tripura University Coa, Pasighat Immanuel College Mit Govt Serchhip College Nehu Sanchaman Limboo Govt Degree College Tech City	136
13	IoT System Design and Implementation	Mit Tripura University Coa, Pasighat Immanuel College Govt Serchhip College Nehu Sanchaman Limboo Govt Degree College Tech City	124

S. No.	COURSE NAME	5G LAB LOCATION	STUDENTS ENROLLED
14	SMORIC (Service Management and Orchestration (SMO) with a Radio Intelligent Controller (RIC))	Mit Tripura University Coa, Pasighat Immanuel College Govt Serchhip College Nehu Sanchaman Limboo Govt Degree College Tech City	10
15	5G AI/ML	Mit Tripura University Coa, Pasighat Immanuel College Govt Serchhip College Nehu Sanchaman Limboo Govt Degree College Tech City	17

Annexure 3: Workshop Information

Focus Areas of Workshops:

- **Orientation Sessions on 5G Infrastructure and its Applications:**

These sessions laid the foundational knowledge for participants, unpacking the complexities of 5G infrastructure and demonstrating its far-reaching potential across various industries. From network design to deployment strategies, attendees gained a comprehensive understanding of how 5G will reshape communication and drive technological evolution. The goal was to demystify the technology, offering all participants—from students to professionals—the tools they need to become active contributors in the 5G revolution.

- **Training on Use Case Development in Healthcare, Agriculture, and Smart City Domains:**

These specialized training sessions took practical applications of 5G into real-world scenarios, focusing on how the technology can transform key sectors like healthcare, agriculture, and smart cities. Participants didn't just learn the theory—they were trained to develop actionable use cases, ranging from telemedicine solutions that bridge healthcare gaps, to precision farming techniques that use IoT and 5G to boost crop yield and sustainability. In the smart city domain, participants explored how 5G can drive intelligent infrastructure, improve urban mobility, and enhance citizen engagement. These sessions empowered innovators to create solutions that address some of the region's most pressing challenges.

- **Awareness Programs for Startups and Entrepreneurs to Leverage 5G for Scalable Solutions:**

Startups and entrepreneurs are at the forefront of innovation, and these awareness programs gave them the knowledge and resources to harness 5G's full potential for creating scalable solutions. By engaging with industry experts and learning how 5G can fuel business growth, participants were introduced to a world of endless possibilities, from launching smart products to developing game-changing apps. The programs also highlighted the economic advantages of 5G, enabling entrepreneurs to see how they can tap into global markets, expand their reach, and accelerate growth by integrating 5G into their offerings.

- **Hands-On Sessions for Students and Faculty to Encourage Experimentation and Product Development:**

These hands-on sessions were designed to ignite a culture of experimentation and entrepreneurship within the academic community. Students and faculty didn't just attend lectures—they were given the chance to roll up their sleeves and work on real-life projects, turning ideas into working prototypes. The sessions encouraged out-of-the-box thinking, where participants were able to test their ideas, troubleshoot, and iterate on products that could have a lasting impact on the 5G ecosystem. This environment fostered a dynamic, innovation-driven mindset, where learning and development went hand-in-hand with actual product creation.

Impact:

- **Strengthened the Capacity of Local Talent to Design and Test Innovative Solutions**

The workshops significantly enhanced the capabilities of local talent, providing them with hands-on exposure to advanced 5G tools, technologies, and frameworks. This allowed participants to not just learn, but to create. The knowledge gained has equipped a new generation of innovators to design, prototype, and test real-world solutions that can address local and global challenges. As a result, the region is now home to a growing pool of talent that can contribute to the global 5G ecosystem, with a deep understanding of how to innovate and scale.

- **Enabled Grassroots Innovators to Address Regional Challenges Through Technology:**

By empowering grassroots innovators with access to cutting-edge technology, the workshops were able to bridge the gap between the digital divide and regional problem-solving. Local innovators now have the skills and tools to tackle specific challenges faced by their communities, whether it's improving agricultural productivity, enhancing healthcare accessibility, or advancing urban infrastructure. The focus on regional, technology-driven solutions means that 5G can be a force for positive change, tackling issues that matter most to local populations.

- **Promoted a Culture of R&D and Entrepreneurship Within the North Eastern Region (NER):**

The workshops have played a key role in cultivating a strong culture of research and development (R&D) across the NER. By actively involving students, faculty, and entrepreneurs in real-world technological problem-solving, the

initiative has ignited an entrepreneurial spirit that wasn't there before. Participants are now driven to explore new avenues for R&D, with many eager to start businesses, create startups, and conduct research that will continue to shape the region's technological future. The long-term effect of these workshops is a thriving ecosystem of R&D that will sustain innovation and entrepreneurship in the NER for years to come.

- **Enhanced Participation of Youth, Particularly from Tier-2 and Tier-3 Cities, in Advanced Telecom Research:**

One of the most remarkable impacts of these workshops was the increased participation of youth, especially from Tier-2 and Tier-3 cities, in advanced telecom research. For the first time, young minds from these often overlooked regions had the opportunity to engage in high-level technological research, providing them with a platform to contribute to cutting-edge advancements in the field of 5G. This shift not only democratized access to advanced telecom research but also empowered a new generation of youth from all corners of NER to actively shape the future of the telecom sector.

Annexure 4: Use Cases Developed by Students, Startups & Innovators Details

The following events were organized across the North Eastern Region (NER) states 5G Lab, showcasing innovation and 5G use case demonstrations by students, startups, and local innovators.

1. Nagaland

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 25th Aug 2025
- *Venue:* Immanuel college Lingrejan, Dimapur, Nagaland 797112
- *Total Attendees -* 55

Chief Guest:

Dr Soumya Chakraborty, Hon'ble Director cum Dean of National Institute of Medical science and Research Kohima, was invited as the chief guest. She inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region

Teams Details:

A total of 5 teams presented their ideas. Below are the details of teams:

S.No	Team Name	College/Startup	Theme
1	Hydroponic Farming	Immanuel College	Agriculture
2	Aquatic Farming	Immanuel College	Agriculture
3	Marathon Guard	NIT Nagaland	IOT
4	GrihRaksha Wifi	NIT Nagaland	IOT
5	SurakshaBeam 5G	NIT Nagaland	IOT

Live Media Coverage link:

<https://youtu.be/pmw67B26Y6c?si=SOBaUEJXPrxwjr7>

<https://www.youtube.com/live/BhoIGLPRIqU?si=67ueqYzzjuZc6B7t>

Event Photos



2. Tripura

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 29th Aug 2025
- *Venue:* Tripura University, Agartala, Tripura, 799022
- *Total Attendees* - 65

Chief Guest:

Mr. Bijay Kumar Upadhyay, Hon'ble Principal of Tripura Institute of Technology, was invited as the chief guest. He inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region.

Teams Details:

A total of 4 teams presented their ideas. Below are the details of teams:

S.No	Team Name	College/Startup	Theme
1	Water Monitoring System	Tripura University	IOT
2	3D Printing	Tripura University	IOT
3	Kokborok to ISL	Tripura University	IOT
4	SignLator Tech	Tripura University	IOT
1	Water Monitoring System	Tripura University	IOT

Live Media Coverage link:

<https://prathamtripura.com/article.php?v=5723>

Event Photos



3. Arunachal Pradesh

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 02nd Sep 2025
- *Venue:* 5G Training & innovation Lab, College of Agriculture, GTC, Pasighat, Dist. East siang, Arunachal Pradesh, 791102
- *Total Attendees* - 80

Chief Guest:

Mr. Gumsen lollen, State President, BJP Kishan Morcha, was invited as the chief guest. He inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region.

Teams Details:

A total of 3 teams presented their ideas. Below are the details of teams:

S.No	Team Name	College/Startup	Theme
1	NPK Mitra	College of Agriculture	Agriculture
2	KrishiVayu Monitor	College of Agriculture	Agriculture
3	KrishiDrishti	College of Agriculture	Agriculture

Live Media Coverage link:

<https://www.facebook.com/share/v/19Sxy6VMYk/?mibextid=wwXlfr>

Event Photos



4. Mizoram

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 09th Sep 2025
- *Venue:* Govt Serchhip College, Serchhip, Mizoram, 796181
- *Total Attendees* - 200

Chief Guest:

Mr. Paul L Khuma, Hon'ble Deputy Commissioner of Mizoram, was invited as the chief guest. He inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region.

Teams Details:

A total of 4 teams presented their ideas. Below are the details of teams:

S.No	Team Name	College/Startup	Theme
1	IOT Based Water Monitoring System	Govt Serchhip College	IOT
2	Smart Farming using IOT	Govt Serchhip College	IOT
3	Smart Light Using by PIR Sensor	Govt Serchhip College	IOT
4	Smart Room System	Govt Serchhip College	IOT

Live Media Coverage link:

<https://chruaitea63.pixieset.com/5gprogram/>

Event Photos



5. Manipur

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 15th Sep 2025
- *Venue:* Manipur Institute of Technology, Manipur University Campus, Manipur-795003
- *Total Attendees* - 85

Chief Guest:

Prof. N Basanta Singh, Principal of Manipur Institute of Technology as the Chief Guest, was invited as the chief guest. He inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region.

Industry Speaker:

Shri W Khellachandra Singh, Assistant Director of Department of Telecommunications, Manipur.

Guest Speaker:

- Dr Jayanta Singh Yumnam, Executive Director of NIELIT, Akampat, Manipur.
- Dr Kishorjit Nongmeikapam, Registrar of Indian institute of information technology, Manipur.
- Shri Rakshpal Giri, Director of Department of Telecommunications, Manipur

Live Media Coverage link:

https://www.youtube.com/live/QXZZcDbkeDw?si=xbsU_0vDJLtxBQu5

<https://drive.google.com/file/d/1FhEBrdUD71mbFMrGfqSYpK4vsSokkllt/view?usp=sharing>

Teams Details:

A total of 7 teams presented their ideas. Below are the details of teams:

S.No	Team Name	College/Startup	Theme
1	Design and implementation of location-based alert	Manipur Institute of Technology	IOT
2	Smart Home automation & Monitoring system	Manipur Institute of Technology	IOT
3	IOT based cold storage for NER	IIIT, Manipur	IOT
4	Modular Water level indicator	NEWBIEQUEST(STARTUP)	IOT
5	Long Range Digital Video Transmission system	SERVA DRONE(STARTUP)	IOT
6	AkumenAI	AKUMEN AI (STARTUP)	IOT
7	Nebiaa Device- Personnel Tracking & Monitoring using P2P Mesh Network in Oil & Gas, Mining Industry	Nibiaa Device (STARTUP)	IOT

Event Photos



6. Meghalaya

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 25th Sep 2025
- *Venue:* NEHU, Mawlai, East Khasi Hills, Shillong, Meghalaya, 793022
- *Total Attendees* - 97

Chief Guest:

Prof. S. Umdor, Hon'ble Pro Vice Chancellor of NEHU, Shillong, Meghalaya, was invited as the chief guest. He inaugurated the event with the speech and shared the insights on 5G innovation in the Northeast region.

Industry Speaker:

Prof. Md. Iftexhar Hussain, Dean, School of technology, NEHU, Shillong

Live Media Coverage link:

https://youtu.be/-syXAhB35Y0?si=9kQvNA8ARKL_oQyQ

<https://highlandpost.com/5g-demonstration-showcased-at-nehu/>

Teams Details:

A total of 6 teams presented their ideas. Below are the details of teams:

S. No	Team Name	College/Startup	Theme
1	SoilSync IoT	NEHU	Agriculture
2	AgroMegh	NEHU	Agriculture
3	VayuCheck WiFi	NEHU	Agriculture
4	Smart Waste Segregation Bin	NEHU	Agriculture
5	Touch Based Security Device	NEHU	Agriculture
6	Gas Guard	NEHU	Governance

Event Photos



7. Assam

Event Details:

- *Event Name:* 5G Use Cases Developed by Students, Startups & Innovators
- *Date:* 15th Oct 2025
- *Venue:* 5G Experience Center, Tech City, Near IIIT, Guwahati, Assam – 781015
- *Total Attendees* – 80+

Industry Speaker:

1. Mr. Sudip Mazumdar, Deputy CTO, RF JIO.
2. Mr. Raj Narula, Founder and CEO, InCa Synergies

Live Media Coverage link:

<https://www.youtube.com/live/V92h3HJw93U?si=HvavGleG-Qe9iNp>

Teams Details:

A total of 10 teams presented their ideas. Below are the details of teams:

Team Name	Details	Institute Name
MeghAlert Pro	Agrikit - Wind & Rainfall	Assam Don Bosco University
VayuSuraksha 5G	Real-Time Air Quality Monitoring System - PM2.5/PM10 - 5G	Girijananda Chowdhury University
Kavach Pro	Suraksha Helmet wifi	Girijananda Chowdhury University

Team Name	Details	Institute Name
RakshakNet 4G	Theft detection - 4G	Girijananda Chowdhury University
Gas Guard WiFi	LPG Detector with Buzzer - Wifi	Girijananda Chowdhury University
JalRakshak 4G	Aqua Farming - Water quality & Temperature - 4G	Girijananda Chowdhury University
PashuMitra 5G	Livestock monitor belt - 5G	Girijananda Chowdhury University
Zeta	IoT Based ERP System	Assam Down Town University
AkumenAI	AI Glasses	Start Up
IndiMeat	Agriculture	Start Up

Event Photos





Annexure 5: Major Evens, Workshops & Training Conducted in 5G lab Details

1. IDEATHON – Meghalaya

Event Details:

- *Event Name:* IDEATHON
- *Date:* 28th June 2025
- *Venue:* NEHU, Mawlai, East Khasi Hills, Shillong, Meghalaya, 793022

Team Details

Members Name	Team Name	Domain
1. Anurag Saud 2. Sazeed Taj 3. Indraneel Chowdhury	SmartAid: AI-Powered 5G Ambulance Triage System	Healthcare
1. Ananya 2. Abhijnan borah 3. Aditya Gupta	5G Enhanced MBS (Multiomic Bioresonance Scanner) for early detection of disease	Healthcare
1. Aayushi 2. Nidhi Pradhan	Emergency Auto-Dispatch from wearable healthcare devices via 5G	Healthcare
1. Shiva Sai Naluvala 2. Anjali Chaurasia	5G-Enabled Real-Time Mental Health Monitoring & Intervention for Students	Healthcare
1. Mohit Kumar 2. Ashish Kumar Sah 3. Lanjewar Mrunank Suresh	5G Synergy: Empowering Agriculture and Healthcare for a smarter Tomorrow	Agriculture / Healthcare
1. Aritra Chakrabarti 2. Samriddha Roy 3. Vipin	Integrated Hospital Management System (IHMS)	Healthcare

Ymphaidien Sutong	Emergency DroneMedic System for Remote Marginalized Areas	Healthcare
1. Puduri Vinay Kumar 2. Anikesh Arya	Mitra: Connect, Detect, Treat	Agriculture

Winner List

S. No.	Team Name	Participants	Winner
1	Mitra: Connect, Detect, Treat	Puduri Vinay Kumar, Anikesh Arya	Winner
2	5G Enabled Real Time Mental Health Monitoring & Intervention for students	Shiva Sai Naluvala, Anjali Chaurasia	1st Runner Up
3	Integrated Hospital Management System	Aritra Chakrabarti, Samriddha Roy Vipin	2nd Runner Up

Event Photos:



2. Internal HACKATHON – Manipur

Chief Guest:

The program began with a **welcome address by Mrs. Selina Khoirom**, Convenor of the Organising Committee, Internal Hackathon 2025. The event was graced by distinguished dignitaries including **Chief Guest, Prof. N. Basanta Singh, Dean, School of Engineering, Manipur University**, who delivered an insightful speech highlighting the importance of student innovation in governance and regional development. The session also featured a **Presidential Speech by Prof. Th. Suresh Singh, Principal, MIT, Manipur University**, emphasizing the role of academia in fostering entrepreneurship and technical problem-solving

Participants List:

S. No.	Team Name	Member Name
1	VOID	Rajkumar Noel Thoujanba
		Phanjoubam
		Diamond Yurembam
		Chitaraj Wahengbam
		Meitankeishangbam Merina Devi
		Ayekpam Lalkishan
2	Early Bird	Tadaroi Thokchom
		Boris Nongmaithem
		Irom Haorish
		Meishamn Likash Singh
		Thomash Maibam
		Pemoshree Sapam
3	The Aura Hack	Olivia Chingakham
		Sanhabi Khwairakpam

		Yohenba Khumukcham
		Kanglam Thomson Singh
		Prajal Irungbam
4	HaVide	Rinloson Waikhom
		Sanaybam Moitail Singh
		Ranjan Laishram
		Nongmaithem Ranjngi Devi
		Nebo Kumar
5	MechMinds	Mairemabam Ranna Singh
		Lenin Khadim
		Longjam Livingston
		Sonibash Heikham
		Royally Ningthoujam
6	RRRSLB-1	Leishangthem Rup Singh
		Meiraba Khumukcham
		Md Rohit Uddin Laskar
		Salam Lundraj Meitei
		Meghajit Nongyambam
7	Error 404	Nima Inranta Singh
		Priyash Bhagat
		Thokchom Priyanshi
		Jayashwati Gangmei
8	Protega	Chongtham Soumya
		Moirangthem Roji
		Kenneth R Pamei
		Atobi Akom

		Kahiril Inam
9	Impute Chimera	Nongmeikapam Birdash Singh
		Nameirakpam Chaoba Chanu
		Gairekpam Bobby
		Naroron Neheli Devi
		Ningthoujam Nibash Singh
10	Cloud Surfers	Magal Laisram
		Thomas Hendro Singh
		Pukhriham Sanachaoba Devi
		Laishram Ramesh Singh
		Bidyutkumar Khongbantabam
11	Innovolt	Lathusenten Alex
		Maibam Priyans Singh
		Md Riyajuddin
		Binaysh Glory
		Eranbam Sanjay
12	Tech Titans	Onewdo Nongthonbam
		Nongallei Noren
		Angamba Nongthombam
		Ningthoujam Robindro
		Rajkumar Jasmine Devi

Event Photos:



5G Awareness Program – Manipur



5G Awareness Program – Nagaland



NABARD Training Event:

Topic Details:

Date	Topics
23-09-2025	From Tradition to Technology: The Rise of Precision Farming.
	Understanding the 1G–5G Evolution and 5G Architecture
24-09-2025	5G Essentials: Features, Spectrum Bands, and RAN Scenarios
	5G Core Network and Its Applications in Smart Agriculture

Date	Topics
	Experience 5G: Demonstration & Interactive Session
25-09-2025	IoT Basics: From Concept to Architecture
	Communication Protocols & Sensor Applications in IoT
	Smart Farming with IoT: Soil, Water & Weather Monitoring
26-09-2025	IoT Platforms & Dashboards for Smart Applications
	IoT Hardware Essentials: Components in Lab and Kits
	IoT Data Flow: From Devices to Analytics Dashboards
27-09-2025	Introduction to Drones: Basics and Types
	Drone Parts Explained: Camera, Propellers, Battery & GPS
	Smart Farming with Drones: Applications in Agriculture
29-09-2025	Drone Safety Essentials: Maintenance, Battery & Troubleshooting
	Flying Drones the Right Way: DGCA Rules & Regulations
	Drone Flight Basics: Hands-On Practice
30-09-2025	3D Printing Essentials: FDM, SLA & SLS Techniques
	3D Printer Components and Common Printing Materials
	3D Printing for Agriculture: From Tools to Irrigation Parts
01-10-2025	3D Printing Process: CAD Design to Final Print
	3D Printing Workflow: File Preparation and Safe Practices
	3D Printing: Maintenance, Troubleshooting & Custom Tool Design
03-10-2025	Full day Exposure Visit to Techcity Guwahati.
04-10-2025	Feedback about the program
	Assesment
	Valedictory Session, Certificate Distribution & Closing Note

Teams Details:

A total of 40 participants presented their ideas. Below are the details of teams:

Name	Gender	City	Current Occupation
Karken Doke	Male	Pasighat	ENTERPRENEUR
Sujatakhamhoo	Female	Namsai	Student
Tsering Deki Sagro	Female	Namsai	Student
Irom Monia Devi	Female	Namsai	Student
Naimo Moinyak	Female	namsai	student
Lipun Apang	Male	Namsai	Student
Prerna Kumawat	Female	Pasighat	PhD student
Kabom Jamoh	Male	Boleng	Student
Aku Tamut	Female	Pasighat	Bsc botany
Rojjin Mungray	Female	Miao	Student
Marina Pame	Female	Aalo	Student
Grace Muang	Female	Pangin	Student
Yumpi Modo	Female	Tirbin	Student
Arinlu Mam	Female	Tezu	Student
Aimi Pertin	Female	Roing	Student

Mingki Megu	Female	Pasighat	Student
Panong Taye	Male	Pasighat	Student
Alia Khatoon	Female	Pasighat	Student
Angel Taku	Female	Pasighat	Student
Narmi Taboh	Male	Kaying	Student
Sumasri Paul	Female	Pasighat	Student
Katem Jamoh	Male	Pasighat	Student
Joseph Padung	Male	Pasighat	Student
Asir Tayeng	Female	Mebo	Student
Khona Keno Longkho	Female	Doimukh	Student
Yamem Tamuk	Female	Pasighat	Student
Giogi Zara	Female	Itanagar	Student
Millo Anya	Female	Itanagar	Student
Aido Burang	Female	Papum Pare	Student
Ayang Pajing	Female	Doimukh	Student
Kofa Jomoh	Male	Doimukh	Student
Raj Sen	Male	Doimukh	Student
Ayang Pertin	Female	Roing	Student

Apuk Hilli	Female	Doimukh	Student
Nangram Bomi	Female	Koloriang	Student
Apin Taten	Female	Doimukh	Student
Meylin Mossang	Female	Doimukh	Student
Nabam Biro	Female	Nirjuli	Student
Neyang Nokar	Female	Yingkiong	Student
Laikangbam Phonia	Female	Pasighat	Student

Event Photos:







Annexure 6: Operational & Physical Condition of each facility developed/supplied by the project

State – Nagaland

Location: Immanuel college Lingrejan, Dimapur , Nagaland 797112

Images- Attached below



State – Manipur

Location: Manipur Institute of technology, 5G Lab, Manipur university, Imphal, Manipur – 795003.

Images- Attached below



State – Mizoram

Location: Govt Serchhip College, Serchhip, Mizoram, 796181.

Images- Attached below



State – Meghalaya

Location: Department of ECE, NEHU, Mawlai, East Khasi Hills, Shillong, Meghalaya, 793022.

Images- Attached below



State – Arunachal Pradesh

Location: 5G Training & innovation Lab, College of Agriculture, GTC, Pasighat, Dist. East siang, Arunachal pradesh, 791102

Images- Attached below



State – Tripura

Location: Tripura University, Agartala, Tripura, 799022.

Images- Attached below



State – West Sikkim

Location: Sanchaman Limboo Govt Degree College, Geyzing, West Sikkim, 737111.

Images- Attached below



State – Assam

Location: 5G Experience Center, Tech City, Guwahati, NH17, Bijoyagar - Jalukbari Rd, Bongora, Guwahati, Assam
781015 Near IIIT

Images- Attached below



Annexure 7: Monitoring Plan of the indicators





Certificate Issued



Sanchaman Limboo ...



NEHU

Annexure 8: Lesson Learnt Recommendation

