

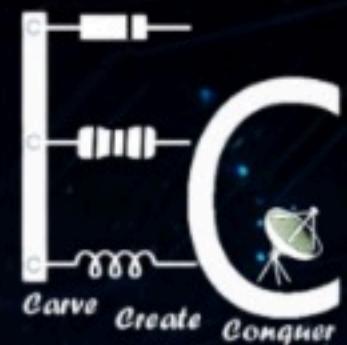


The National Institute of Engineering, Mysuru

(An Autonomous Institute under VTU, Belagavi)

Recognized by AICTE, New Delhi | Accredited by NAAC, New Delhi

Department of Electronics and Communication Engineering



Presents

NAVANIE1

24 HOUR NATIONAL LEVEL HACKATHON - HARDWARE



PRIZE POOL
₹80k



Scan to
Register



DEFENSE



HEALTHCARE



**SUSTAINABILITY
& AGRICULTURE**



**DISASTER
MANAGEMENT**



DJB, NIE (South campus)



3-5 members



4th & 5th March 2026

Registration Fee: 250/- per head

Register by: 15th February

Dr. K C Manjunath
Principal

Dr. Likith Kumar M V
Vice Principal

Dr. Rohini Nagapadma
Chief Innovation Officer

Convenor

Dr. Rajalekshmi Kishore
HoD-ECE

Faculty coordinator

Dr. Ashok K
Associate Professor, ECE

Student Coordinator

Harsha B
79756 19415

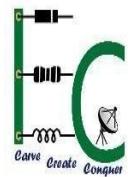
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★ NAVANIETI – 24-Hour National Level National Hardware Hackathon

Organized by the Department of Electronics & Communication Engineering

The National Institute of Engineering (NIE), Mysuru

1. About the Event

NAVA(NIE)TI is an exclusive **24-hour National Level Hardware Hackathon** designed to bring together young innovators, engineers, and problem-solvers from across India. Hosted by the **Department of Electronics & Communication Engineering, NIE Mysuru**, the hackathon serves as a dynamic platform for students to ideate, prototype, and develop transformative hardware solutions aligned with real-world challenges. With themes rooted in the **United Nations Sustainable Development Goals (SDGs)**, the event emphasizes innovation that has **social, technological, and environmental impact**. Students get the rare opportunity to work under time pressure, think critically, collaborate efficiently, and convert their innovative ideas into tangible, working prototypes.

2. Event Tracks

Participants must choose **one** of the four carefully curated tracks. Each track reflects high-priority national and global problem statements:

■ Defence

- Surveillance, battlefield communication, soldier safety
- UAV/UGV hardware, secured embedded systems
- Rapid-response, mission-critical prototypes

■ Healthcare

- Assistive devices and biomedical sensing hardware
- Remote diagnostics, wearable health monitoring
- Low-cost, scalable clinical solutions aligned with SDG-3

Sustainability & Agriculture

- Smart irrigation systems
- Soil and crop monitoring hardware
- Climate-aware solutions supporting SDG-2 (Zero Hunger) & SDG-12

Disaster Management

- Early warning systems
- Real-time sensing networks for floods, landslides, earthquakes
- Rapid rescue hardware solutions

3. Who Can Participate

The hackathon is open to:

- **All engineering students** across India (any year, any discipline)
- **Interdisciplinary teams** (highly encouraged)
- Students passionate about **hardware development, embedded systems, IoT, and prototyping**

4. Team Structure

- Each team must consist of **3–4 members**
- Cross-disciplinary collaboration is appreciated
- Only **one project per team** is allowed

5. Nature of the Hackathon

This is a **strictly hardware-oriented hackathon**, where:

- **A working hardware prototype is mandatory**
- Software components may be integrated
- Pure software projects are *not* permitted
- Judging emphasizes innovation, feasibility, technical depth & SDG relevance

6. Registration Process

Participants must follow a two-step registration process:

Step 1: Online Registration

- Teams must register online and upload a **project synopsis**
- Registration closes on **15th February 2026**
- Problem statements will be based on SDGs

Step 2: Proposal Review

- Expert panel reviews submissions using a structured evaluation rubric
- Shortlisted teams will be notified officially
- Final participation fee: **₹250 per team member**

7. Support for Shortlisted Teams

To help bring ideas to life, the following support will be provided:

- **Component procurement assistance up to ₹3,000 per team**
- Access to labs, tools, and test equipment
- Teams may include self-funded components if desired
- Teams must submit a **Bill of Materials (BoM)** prior to the event

8. Judging & Evaluation

Each track will be evaluated by:

- **1 Industry Expert**
- **1 Academic Expert**

Judging criteria include:

- Innovation & creativity
- Technical complexity
- Working hardware prototype quality
- Relevance to SDGs
- Presentation & documentation

9. Awards & Recognition

- **Total Prize Pool: ₹80,000**
- **Participation certificates** for all attendees
- **Winner & Runner-up certificates + trophies/prizes**

10. Facilities Provided

During the 24-hour event, participants will be given:

- Food & refreshments (multiple rounds)
- Accommodation for outstation teams
- 24x7 workspace access
- High-speed Wi-Fi
- Power backup, tables, chairs & project spaces
- Technical & lab support
- First-aid and safety facilities

11. Event Scale & Expected Participation

- Expected registrations: **300 teams (~1200 students)**
- Shortlisted for finals: **30 teams (~120 students)**
- Total estimated event budget: **₹3,40,000**

12. Important Dates

- **Registration Deadline:** 15 February 2026
- **Hackathon Dates:** 4th & 5th March 2026
- **Venue:** *DJB Block, NIE (South Campus), Mysuru*

13. Poster & Registration Link

You may place the following in bold inside the Word file:

Registration Link: <https://tinyurl.com/NavaNIEtiNIECE>

Poster:

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Department of Electronics and Communication Engineering

 Presents

NAVANIETI

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Website: https://navanieti2026.github.io/NIE_National_level_hackathon_2026/