



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ

**BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Autonomous Institution Under VTU)

Yelahanka, Bengaluru -560119

## Student Achievements – Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering (ECE) at BMS Institute of Technology & Management takes immense pride in the outstanding achievements of its students at national and international platforms. These accomplishments reflect the department's strong emphasis on Outcome-Based Education (OBE), innovation-driven learning, industry relevance, and experiential exposure. The achievements showcased students' excellence in innovation, research, leadership, teamwork, and societal impact.

Sl. No.	Academic Year	Student(s) Name	Achievement / Event	Level	Outcome / Recognition
1	2023–24	Alan Biju and Team (3rd Sem)	<b>Smart India Hackathon (SIH) 2024</b>	National	Winners: Project selected by the <b>Ministry of Jal Shakti, Govt. of India</b> , with ₹14 Lakhs funding and 1-year implementation opportunity
2	2023–24	ECE Student Team	<b>IEEE YESIST12 – Grand Finale</b> at IEEE UKM, Malaysia	International	Selected and represented the institute at the <b>global IEEE innovation platform</b>
3	2023–24	ECE Student Team	<b>Project “SkyPulse”</b>	International (IEEE)	Awarded a <b>USD 8,100 grant</b> from EPICS in IEEE for a socially impactful engineering solution
4	2023–24	Jayashree & Ananya	<b>IEEE EMBS MSA Initiative Fund</b>	International (IEEE EMBS)	Received <b>USD 2,500 funding</b> to organize “Mediverse” technical and healthcare innovation event

Collectively, these achievements captured through photographs and documented evidence illustrate the **holistic development of ECE students** in areas such as innovation, research, teamwork, leadership, and global engagement. The department continuously supports students through mentoring, access to advanced laboratories, participation in professional societies, and exposure to national and international competitions. These accomplishments stand as strong evidence of the department's academic rigor, innovation ecosystem, and commitment to producing industry-ready and socially responsible engineers.



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**Winners of Smart India Hackathon 2024 - Alan Biju and Team (3<sup>rd</sup> Sem)**  
(Their project has been selected for financial funding by the Ministry of Jalshakti,  
Govt. of India, worth 14 Lakhs and 1 year implementation)

One of the most significant achievements of ECE students is winning the **Smart India Hackathon 2024**, one of the largest innovation-driven competitions organized by the **Government of India**. A team led by **Alan Biju** (3rd Semester) emerged as winners, and their project was selected for **financial funding** worth ₹14 lakhs by the **Ministry of Jal Shakti, Government of India**, along with a **one-year implementation opportunity**. This achievement demonstrates the students' ability to develop **practical, scalable, and socially relevant engineering solutions** aligned with national priorities.



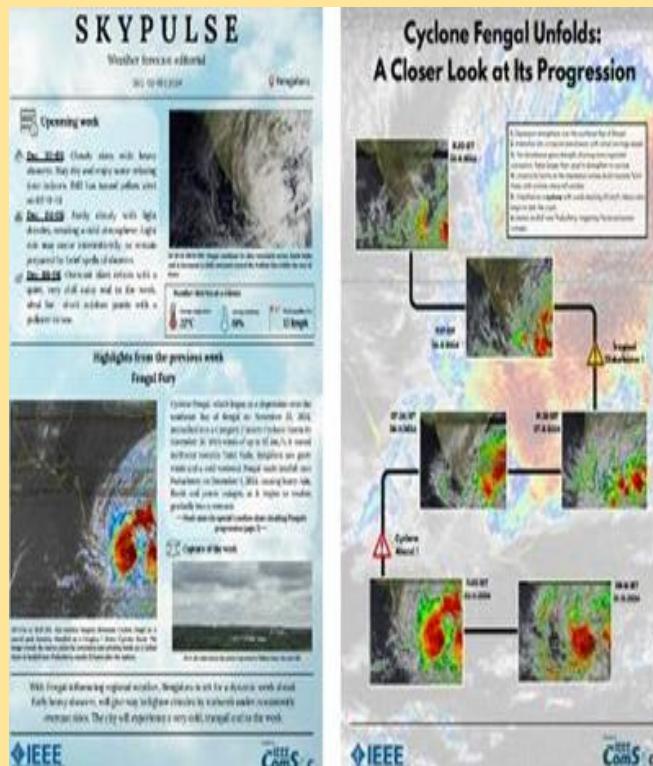
IEEE YESIST12 Grand Finale at IEEE UKM Malaysia



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ECE students have also demonstrated global competence by reaching the **IEEE YESIST12 Grand Finale**, held at **IEEE UKM, Malaysia**. Participation at this international platform reflects the department's encouragement of students to engage with **global professional bodies**, present innovative ideas, and compete at international levels. Such exposure significantly enhances students' technical confidence, cross-cultural collaboration skills, and professional outlook.



**Project SkyPulse, has secured a prestigious USD 8,100 grant from EPICS in IEEE**

Another remarkable student accomplishment highlighted in the presentation is **Project "SkyPulse"**, which secured a prestigious **USD 8,100 grant from EPICS in IEEE**. This funding supports the development of technology-driven solutions with a strong **social and humanitarian focus**, reinforcing the department's commitment to engineering for societal benefit. The recognition of this project underscores students' ability to integrate technical knowledge with real-world problem-solving.



**Jayashree and Ananya received prestigious IEEE EMBS MSA INITIATIVE FUND of 2500 USD to conduct an Mediverse event**



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Further strengthening the department's achievements, students **Jayashree and Ananya** received the esteemed **IEEE EMBS MSA Initiative Fund of USD 2,500** to organize and conduct the "**Mediverse**" event. This achievement highlights students' leadership, organizational capability, and active involvement in professional societies such as the **IEEE Engineering in Medicine and Biology Society (EMBS)**. It also reflects the department's encouragement of student-led initiatives that bridge technology and healthcare applications.



- Developed ECQMS-Environmental and Climate Quality Monitoring System using Industry grade Sensors
- SYMBIoT-2025 National Level Hackathon – First Prize
- UVCE KAGADA 20 – Second Prize-Project Expo
- Shrishti National Level Project Expo–Second place, Acharya Institute of Technology
- SAMSUNG ANVESHANA – Third Prize
- AVISKARA-2025 Project Expo
- SYMBIoT-2025 National Level Hackathon – First Prize



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**CONGRATULATIONS  
TEAM SPATIKA**

Inter college Project Exhibition at ATME college of Engineering hosted by CEDA, IEEE Bangalore section and Mysore subsection

**SECOND PLACE**

Title - Smart Automated Feeding and Environmental Monitoring System for Sericulture

Date : 25/10/2025

Team Members

Tarun Patil 1BY23EC113  
Sri Srujan Hari T 1BY23EC105  
Harshitha K V 1BY23EC049  
Nithin K S 1BY23EC052  
5<sup>th</sup> semester, ECE Dept.

**HARDWARE HACKATHON HELD  
IN BNMIT ON 29TH AUGUST 2025**

**SECOND RUNNER UP**

Project name  
Emergency vehicle detection system using acoustic fingerprint system, to control traffic lights

Team: Signotech

B Suraj - 1BY24EC032  
P Achyuth - 1BY24EC178  
Curudatt N - 1BY24EC053





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2nd runner up  
Neo Nexus 36.0  
(National level Hackathon  
non-stop innovation challenge)

BITM Ballari on 6th and 7th September 2025.

Project Title: "Predictive integrated system for detecting outdoor AQI, HTC and Acid Rain".

Student Team (ECE) : Mr Tarun Patil, Sri Srujan Hari T, Mr Nitish K S and Ms Harshitha KV

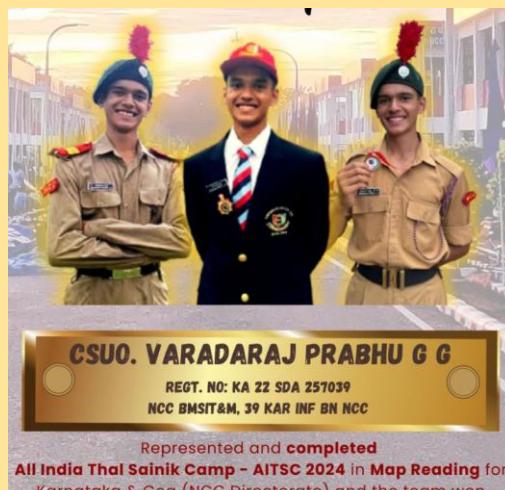
Concept Mentor: Dr Rajesh Gopinath, Department of Civil Engineering & Key Liaison OIKOS.

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*Environmental and Climate Quality Monitoring System (ECQMS) deployed on BMSIT&M campus in association with the Eco Club*

Tarun Patil, Nitish K. S & Sri Srujan Hari T under the guidance of Dr. Rajesh Gopinath

The device continuously measures environmental parameters such as Carbon Monoxide, Suspended Particulate Matter (PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>), Temperature, Humidity and National Air Quality Index (NAQI) at regular intervals.





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## SPORTS



### Prerana Kulkarni

- Represented BMSIT and VTU in the Inter university south zone Table Tennis tournament in January 2025.
- Representing VTU for the South Zone Inter University Table Tennis Tournament.
- VTU Bengaluru North Division Table Tennis - First Prize
- State-level Table Tennis - 3rd position



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## Hari Rajiv

- Selected for VTU Cricket Team
- BMSIT&M Cricket team won the VTU Bengaluru, North Division Cricket tournament under the captainship of Hari Rajiv.