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**JSSATE**  
BENGALURU



**IEEE**  
**Information**  
**Theory Society**

**JSS ACADEMY OF TECHNICAL EDUCATION**

JSS Campus, Dr. Vishnuvaradhan Road, Bengaluru -60  
Department of Information Science & Engineering

***IEEE Information Theory Society Student Branch Chapter Bangalore Section***  
***(JSSATEB-IEEE ITS)***

**CORE COMMITTEE MEMBERS**

SL.No	Name	Designation	Signature
1	Dr. Nethravathi B	Faculty Advisor	
2	Mr. Harsha B R	Chair	
3	Ms. Deeksha B	Vice -Chair	
4	Ms. Divya S Deshpande	Secretary	
5	Ms. Visalakshi P L	Treasurer	



**JSSATE**  
BENGALURU



**IEEE**  
Information  
Theory Society

## JSS ACADEMY OF TECHNICAL EDUCATION

JSS Campus, Dr. Vishnuvaradhan Road, Bengaluru -60

Department of Information Science & Engineering

*IEEE Information Theory Society Student Branch Chapter Bangalore Section  
(JSSATEB-IEEE ITS)*

### Executive COMMITTEE MEMBERS

SL.No	Name	Designation	Signature
1.	Mr. Parikshith V	Design Team	
2.	Mr. Harsha L	Designing and PR	
3.	Mr. A V Ranganath	Coordinators	
4.	Mr. Chandan G S	Design team and Coordinator	
5.	Ms. Gauri S Desai	Coordinators	
6.	Mr. Dhanush C N	Coordinators	
7.	Mr. Bhargava R Nadig	Coordinators	
8.	Ms. Anusha B	Coordinators	
9.	Ms. Avani D S	Coordinators	
10.	Ms. Anagha S	Web designing team	
11.	Mr. Aryan Shettar	Web designing team	
12.	Mr. Haridev	Web designing team	
13.	Mr. Samartha Sinha	Web designing team	
14.	Ms. Sanjana S K	Web designing team	
15.	Ms. Advika chaitra	Web designing team	
16.	Ms. Sahana R	Design Team	

Unit: JSS  
Academy of  
Technical Education-Bangalore,IT12 (SBC65781A)

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Position Title	Reported Officers ?
<b>Executive Officers</b>	
<input type="checkbox"/> Chair	<input checked="" type="checkbox"/> Harsha B R
<b>Other</b>	
<input type="checkbox"/> Advisor	<input checked="" type="checkbox"/> Nethravathi B
<input type="checkbox"/> Secretary	<input checked="" type="checkbox"/> Divya S Deshpande
<input type="checkbox"/> Treasurer	<input checked="" type="checkbox"/> VISALAKSHI PL
<input type="checkbox"/> Vice Chair	<input checked="" type="checkbox"/> Deeksha B
<input type="checkbox"/> Webmaster	<i>Position Vacant</i>

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Welcome to your event administration dashboard! Recent, upcoming, and draft events are available for management.

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Showing top 30 recent, upcoming and draft events that you can manage below.

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Title	OU	Date	Reported On	Options
Inter-Department MUN Debate Competition – “Unmute the Debate: Unfiltered” (/m/523343)	SBC65781A, CH10956	21 Nov 2025		<a href="/m/523343">View (/m/523343)</a>   <a href="/tego_/event/manage/523343">Manage (/tego_/event/manage/523343)</a> <a href="#">File Report</a>
Gamified Cybersecurity Treasure Hunt Workshop (/m/523340)	SBC65781A, CH10956	19 Nov 2025		<a href="/m/523340">View (/m/523340)</a>   <a href="/tego_/event/manage/523340">Manage (/tego_/event/manage/523340)</a> <a href="#">File Report</a>



Events that you've worked on during this session will be listed below for convenience.

**Session Activity** 



(/tego\_/event/manage/52  
Inter-Department ...  
(/m/523343)



(/tego\_/event/manage/52  
Significance of AI i...  
(/m/523341)



(/tego\_/event/manage/52  
Gamified Cybersec...  
(/m/523340)

IEEE Day 2025 (/m/513918)	STB65781, SBC65781, SBC65781A	29 Oct 2025	11 Nov 2025 UTC	<a href="#">View (/m/513918)</a>   <a href="#">Manage (/tego_/event/manage/513918)</a>
Significance of AI in Operating Systems (/m/523341)	SBC65781A, CH10956	27 Jul 2025	<a href="#">File Report</a>	<a href="#">View (/m/523341)</a>   <a href="#">Manage (/tego_/event/manage/523341)</a>
National Conference on Advancements in Information Technology (NCAIT) (/m/519093)	SBC65781A, CH10956	28 May 2025	<a href="#">File Report</a>	<a href="#">View (/m/519093)</a>   <a href="#">Manage (/tego_/event/manage/519093)</a>
Orientation Program of TechnoServe India : TNS India Foundation (TNSIF) (/m/519097)	SBC65781A, CH10956	16 May 2025	<a href="#">File Report</a>	<a href="#">View (/m/519097)</a>   <a href="#">Manage (/tego_/event/manage/519097)</a>
Inaugural Ceremony of ITS – Student Chapter (/m/500398)	SBC65781A, STB65781, CH10956	03 May 2025	10 Sep 2025 UTC	<a href="#">View (/m/500398)</a>   <a href="#">Manage (/tego_/event/manage/500398)</a>

Displaying **all 7** events



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## LIST OF ACTIVITIES CONDUCTED UNDER THE CHAPTER

1. Inaugural Ceremony of ITS – Student Chapter
2. Orientation Program of TechnoServe India: TNS India Foundation (TNSIF)
3. National Conference on Advancements in Information Technology (NCAIT)
4. Significance of AI in Operating Systems
5. IEEE Day 2025
6. Gamified Cybersecurity Treasure Hunt Workshop
7. Inter-Department MUN Debate Competition – “Unmute the Debate: Unfiltered”





## EXPENSES OF THE ACTIVITIES CONDUCTED BY THE CHAPTER

SL.NO	NAME OF THE ACTIVITY	EXPENSES
1	Inaugural Ceremony of ITS – Student Chapter	Rs.4685
2	Orientation Program of TechnoServe India: TNS India Foundation (TNSIF)	NIL
3	National Conference on Advancements in Information Technology (NCAIT)	Rs.18,296
4	Significance of AI in Operating Systems	NIL
5	IEEE Day 2025	Rs.30,000
6	Gamified Cybersecurity Treasure Hunt Workshop	NIL
7	Inter-Department MUN Debate Competition – “Unmute the Debate: Unfiltered”	Rs.1960



# IEEE Information Theory Society – Student Chapter, JSSATEB

## A Report on the Inaugural Ceremony of ITS – Student Chapter

The Department of Information Science and Engineering of JSS Academy of Technical Education, Bengaluru (JSSATEB), inaugurated the Student Chapter of IEEE – Information Theory Society (ITS) on 3rd May, 2025. The chapter aims to promote student engagement in key areas like information theory, signal processing, machine learning, wireless communication, and emerging technologies. It serves as a platform for learning, innovation, and collaboration through technical sessions, workshops, and expert interactions.

### Event Poster:

**INAUGURATION CEREMONY**

Join us for the grand inauguration of the **IEEE ITS Student Branch** — where innovation meets inspiration at **JSSATE, Bengaluru**.

**Our Honored Guests & Speakers**

**DR. PREMANANDA B.S**  
Chair, IEEE ITS Bangalore Chapter, Associate Professor, RVCE Bengaluru.  
**Chief Guest:**

**SHARATH S RAO**  
Tech Lead for R&D Zyni Innovations Pvt. Ltd.  
**Keynote:**  
The Art of Prompt Engineering: Bridging Information Theory and AI interaction

**VISHNU B.V**  
Tech Lead Zyni Innovations Pvt. Ltd.  
**Keynote:**  
Building Real-World Applications Using Generative AI

**DATE: 03 MAY 2025**  
**TIME: 11:00 AM**  
VENUE: SEMHALL-1, JSSATEB BENGALURU-560060

REGISTRATION:

: ieee.jssateb

This poster is an official invitation for the inauguration ceremony of the IEEE ITS Student Branch at JSSATEB, Bengaluru, hosted in collaboration with the IEEE Bangalore Section and the IEEE Information Theory Society, Bangalore Chapter.

**Event Details:**

**Date:** May 3<sup>rd</sup>, 2025

**Number of Attendees:** 50

**Venue:** SEM Hall-1, JSSATEB

**Timings:**

1. **Inaugural Event** – 11:00 am to 11:30am
  - a) Introduction-opening remarks and welcome note
  - b) Badge Distribution for Core Committee and Executive Members
2. **Speaker Session:**
  - a) Session-1: 11:30am to 12:15pm
  - b) Session-2: 12:15pm to 12:45pm
  - c) Session-3: 12:45pm to 01:30pm

**Dignitaries in Attendance:**

1. **Chief Guest** –  
Dr. Premananda B.S., Chair, IEEE Information Theory Society (ITS), Bangalore Chapter, Associate Professor, Department of Electronics and Communication Engineering, RV College of Engineering (RVCE), Bengaluru.
2. **Guests of Honor-**
  - a) Mr. Sharath S Rao, Tech Lead for R&D, Zyni Innovations Pvt. Ltd.
  - b) Mr. Vishnu B.V, Tech Lead, Zyni Innovations Pvt. Ltd.

**Session Details:****1. Session 1:**

**Speaker:** Dr. Premananda B.S.

**Summary:**

Dr. Premananda B.S. emphasized the transformative role of IEEE in a student's academic and professional journey. He spoke about how IEEE opens doors to a vast pool of resources including conferences, workshops, technical societies, and access to cutting-edge research publications. By being part of IEEE, students can not only improve their technical knowledge but also develop essential soft skills like leadership, communication, and project management. He motivated students to take full advantage of IEEE activities and platforms to enhance their learning beyond the classroom and build a strong foundation for their careers.

He also highlighted how IEEE is not limited to students alone but serves as a valuable resource for faculty members and researchers as well. Faculty can publish their work in IEEE journals, participate in conferences, and collaborate with professionals and researchers across the globe. Dr. Premananda encouraged faculty to actively involve themselves in IEEE activities to stay updated with the latest research trends and to

guide students more effectively through project-based learning and innovation-driven thinking.

One of the core messages from his speech was the importance of networking and collaboration. Dr. Premananda sir stressed that IEEE provides a unique space where students, educators, industry professionals, and researchers come together as a community. Through IEEE, members get the opportunity to attend national and international events, interact with experts from various fields, and be part of a global network of innovators. He emphasized that these connections often lead to mentorship, collaborations, and even career opportunities, which can be game-changing for young professionals.

His session was not just a formal address, but a genuinely inspiring interaction filled with insights, real-life experiences, and practical guidance. Dr. Premananda's words gave a clear picture of how IEEE is more than just an organization — it's a platform for empowerment, learning, and leadership. The attendees were left with a stronger understanding of how to leverage IEEE in their own journeys, whether as a student exploring technology or as a researcher aiming for global impact.

## **2. Session 2:**

**Speaker:** Mr. Sharath S Rao

**Topic:** The Art of Prompt Engineering: Bridging Information Theory and AI Interaction

**Summary:**

Mr. Sharath S Rao, Tech Lead for R&D at Zyni Innovations Pvt. Ltd., delivered an insightful address on the topic “The Art of Prompt Engineering: Bridging Information Theory and AI Interaction.” He began by introducing the concept of prompt engineering, emphasizing its role as a key interface between human intelligence and AI systems. With clarity and enthusiasm, he explained how well-structured prompts can significantly influence the output of large language models, making AI systems more responsive, accurate, and useful.

He then provided a comprehensive overview of the Transformer architecture, the core technology behind today's advanced AI models. Mr. Sharath broke down the working of transformers by explaining the key concepts helping the audience grasp how models like ChatGPT interpret and generate language. He pointed out how a deeper understanding of such architectures enables developers and users to design more effective prompts.

Throughout his session, Mr. Sharath emphasized the interdisciplinary nature of prompt engineering, showing how it draws from linguistics, logic, and information theory. He demonstrated various real-life applications, including AI-based writing tools, chatbots, and content generators, highlighting how different prompting strategies can be applied to achieve desired outcomes.

The session was highly engaging, as Mr. Sharath encouraged curiosity, welcomed questions, and presented live examples to illustrate the importance of prompt design. His talk not only provided technical insights but also inspired the audience to explore the evolving space of AI interaction with a more analytical and creative approach.

### 3. Session 2:

**Speaker:** Mr. Vishnu B.V

**Topic:** Building Real-World Applications Using Generative AI.

**Summary:**

Mr. Vishnu B V, Tech Lead at Zyni Innovations Pvt. Ltd., delivered a highly impactful session on “Building Real-World Applications Using Generative AI.” He opened his talk by explaining the rapid rise and adoption of Generative AI technologies, and how they are revolutionizing the way we approach problem-solving, creativity, and automation in industries today. With relatable examples and an energetic delivery, he broke down complex concepts to make them easily understandable for the student audience.

He shed light on how generative models, particularly Large Language Models (LLMs), are being used to build intelligent systems in sectors like content creation, code generation, healthcare, design, and virtual assistance.

One of the session’s most appreciated aspects was Mr. Vishnu's emphasis on bridging the gap between theory and practice. He demonstrated how students and developers can start building real-world tools using platforms like OpenAI, and other accessible AI APIs. He also discussed common challenges faced while working with generative AI, and shared best practices to overcome them.

Mr. Vishnu encouraged the students to start small but stay consistent in experimenting with these technologies. He emphasized the importance of building practical projects, contributing to open-source, and staying updated with the fast-evolving AI landscape. The session was extremely motivating, especially for those aspiring to apply AI knowledge to solve real problems and innovate in their own domains.

### Photos of the Events:







**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA  
Approved by All India Council for Technical Education, New Delhi  
UG programs accredited by NBA: E & IE, E&C, CSE  
Accredited by NAAC with A+ Grade

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**Department of Information Science and Engineering**

**Date: 16/05/25**

**Title of the program: Orientation program of TechnoServe India : TNS India Foundation(TNSIF) for the Academic year 2025 on 16 may 2025.**

**Brief report**

Department of Information Science and Engineering having Memorandum of Understanding (MoU's) – with TechnoServe India : TNS India Foundation(TNSIF) for the Academic year 2025 has arranged orientation program for pre-final year students of ISE, CSE, AIML and ECE. The programs are fully Free of charge for students and this C2TC program- from Accenture –CSR initiative is for BPL (Below Poverty Lane) students only. More than 100 students were present. Total 100 students were present. Dr. Nethravathi B, TNS-SPOC, welcomed all.

The resource person were 1.Vidyangana Shree, Program Specialist- Soft Skills Trainer (Bangalore), TNS India Foundation, 2. Hemavathi D, Program Specialist- Technical Trainer (Bangalore), TNS India Foundation. 3. Madhu, Program Specialist- Soft Skills Trainer (Bangalore), TNS India Foundation. All three resource person addressed the students about the course and the registration process is done successfully. Dr. Abhijith H V , TPO, gave vote of thanks. Dr. Sharana Basava Gowda, Placement coordinator and Dr. Nagamani NP, HOD, ISE department were also present in the orientation program.

## Photographs with captions





**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**

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Approved by All India Council for Technical Education, New Delhi  
UG programs accredited by NBA: E & IE, E&C, CSE  
Accredited by NAAC with A+ Grade

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**Department of Information Science and Engineering**

**Date:31/05/25**

**Title of the program: National Conference on Advancements in Information Technology (NCAIT-2025) at JSS Academy of Technical Education, Bangalore on 28<sup>th</sup> May 2025.**

**Brief report**

The Dept. of ISE at JSSATEB, proudly hosted the 11th edition of the National Conference on Advancements in Information Technology (NCAIT-2025). This annual conference, organized under the Samyog Student Forum, has been a hallmark tradition of the department, successfully conducted for the past 11 consecutive years. The theme for this year's conference was "AI Brains & Infinite Memory", emphasizing the evolving landscape of artificial intelligence and its limitless potential in the field of information technology. We received 72 research papers from more than 15 participating institutes and 46 were considered for publication as part of conference proceedings in our in-house journal - JSS Journal of Scientific Studies.

The inauguration ceremony of the the 11th edition of the National Conference on Advancements in Information Technology (NCAIT-2025) was held at JSS Academy of Technical Education, Bangalore and was organized by Department of Information Science and Engg., JSSATEB on 28<sup>th</sup> May 2025. The program started at 11.00 AM at seminar hall 1, with various participants from more than 15 engineering colleges across India. The Chief Guest was Mr. Pradeep M. P, Head of Cloud Security, Privacy & Compliance – Europe & Americas – Ericsson, Bengaluru. The inauguration was attended by Honorable Principal Dr. Bhimasen Soragaon, Dean Academics Dr. Rekha P.M and Dean Research Dr. Mahesh M and section heads of other departments in the institute. Associate Professor and HOD, Dr Nagamani N P welcomed the participants and dignitaries. Dr. Sowmya K.N, Associate Professor and NCAIT 2025 Coordinator briefed about the annual conference to the audience.

The Chief Guest Mr. Pradeep M. P delivered an insightful keynote address highlighting the benefits of the IEEE ITS Branch Chapter for students. He emphasized how AI is rapidly evolving from basic automation to advanced intelligence with limitless memory, enabling continuous learning and wide application. He gave real world examples of how it is revolutionizing industries—from healthcare to finance—by enhancing decision-making and operations. He highlighted how this shift opens new research frontiers in ethical AI, cognitive computing, and autonomous systems for human-centric

innovation. The Presidential Address was delivered by Principal Dr. Bhimasen Soragaon, who appreciated the efforts of the organizing team and motivated students to actively participate, exchange ideas and learn new things. The event concluded with a heartfelt Vote of Thanks by NCAIT 2025 coordinator Dr. Nethravathi B, Associate Professor, Dept. of ISE. She expressed gratitude to all the dignitaries, session chairs, reviewers, participants, and volunteers who contributed to the success of the event. IEEE – ITS Bangalore chapter was thanked for their sponsorship for the best paper award. The inaugural session ended at 12 PM followed by a paper presentation in 5 different session tracks. Lunch was arranged for all participants. The conference concluded at 4.00 pm and the prize winners for each track were announced and honoured.

### Photographs with captions



Pic 1: Lighting the Lamp by . Dignitaries. On the dais 1.Dr. Mahesh B, Dean Research 2.Dr. Sowmya K.N, Associate Professor &Coordinator NCAIT -2025 3. Chief Guest Mr. Pradeep M. P, Head of Cloud Security, Privacy & Compliance – Europe & Americas – Ericsson, Bengaluru 4.Dr. Nagamani N P, Associate Professor & HOD, Dept of ISE, 5. Dr. Nethravathi B, Associate Professor &Coordinator NCAIT -2025 , 6 Dr. Bhimasen Soragaon Principal, JSSATE 7 Dr. Rekha P M, Dean Academics



ಉತ್ತರಹಳ್ಳಿ ಮುಖ್ಯರಸ್ತೆಯಲ್ಲಿರುವ ಜೆಎಸ್‌ಎಸ್ ಕಾಲೇಜಿನಲ್ಲಿ ಮಾಹಿತಿ ವಿಜ್ಞಾನ ಮತ್ತು ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ ಏರ್ಪಡಿಸಿದ್ದ ರಾಷ್ಟ್ರೀಯ ಕಾರ್ಯಾಗಾರದ ಉದ್ಘಾಟನೆ ವೇಳೆ ಕ್ಲೌಡ್ ಸೆಕ್ಯೂರಿಟಿ ಮುಖ್ಯಸ್ಥ ಎಂ.ಪಿ. ಪ್ರದೀಪ್‌ಕುಮಾರ್, ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಭೀಮಸೇನ ಸೊರಗಾಂವ್, ಸಂಯೋಜಕಿ ಡಾ.ಬಿ. ನೇತ್ರಾವತಿ, ಡಾ.ಕೆ. ಎನ್. ಸೌಮ್ಯಾ, ಸಂಚಾಲಕಿ ಡಾ.ನಾಗಮಣಿ ಎನ್. ಪುರೋಹಿತ್ ಮತ್ತಿತರಿದ್ದರು.

Pic 2. Media Coverage in Vijaya Karnataka on 31/05/2025 of NCAIT - 2025 Inaugural Event



Pic 3. Session Chairs Dr. Bhagyashree, RNSIT and Dr. D.V Ashoka with NCAIT 2025 Coordinators & Students



Pic 4. Session Chairs Dr. Seemanthini K, BMSCE and Dr. Rekha P.M with NCAIT 2025 Coordinators & Students



Pic. 5 Dept. of ISE Faculty Fraternity with Honourable Principal and Chief Guest Pradeep M.P , Ericson



Pic. 6 Session Chairs Dr. Nagaveni V, AMC College and Dr. Naidilla S with NCAIT 2025 Coordinators & Students

## Paper Details:

No. of papers Submitted	No. of papers Accepted	No. of papers Rejected	No. of papers Presented
73	46	27	44

## Best Paper Award details:

Track No.	Student Names	College Name	Paper Title	Prize amount
1	Mukunda M A V Ranganath Pramith S Chandan G S	JSSATE, Bengaluru	AI - Powered Genetic Inheritance Analysis Tool: Gene Vision	Rs. 1000/-

<b>2</b>	<b>Shreya Gore Satwik G Vaidya Rachana Deepak Kadkol Mamatha G</b>	<b>JSSATE, Bengaluru</b>	<b>AI-Powered Resilience System for Urban Flood Mitigation and Heat Climate Adaptation: A Review</b>	<b>Rs. 1000/-</b>
<b>3</b>	<b>Suhruth S K Deepa N P Jamuna S Skanda P Bhatta Vinay K</b>	<b>Dayanand Sagar College of Engineering, Bengaluru</b>	<b>Developing LDPC MinSum Decoder for NAND Flash Memory</b>	<b>Rs. 1000/-</b>
<b>4</b>	<b>Ramya B N Khushi S Sorathia Jyothish S Prabhava R Bhat Monisha Bharadwaj M H</b>	<b>Jyothi Institute of Technology, Bengaluru</b>	<b>Accelerated Lunar Landing with Rainbow DQN</b>	<b>Rs. 1000/-</b>
<b>5</b>	<b>Poojitha K Mowlya B A Swarnashree S</b>	<b>BGS college of Engineering and Technology, Bengaluru</b>	<b>Deep Dive into Predictive Analytics of Employee Attrition</b>	<b>Rs. 1000/-</b>



Date: 27-07-2025

## Department of Information Science & Engineering

Brief report on

### Significance of AI in Operating Systems

With the divine blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, a session on “Significance of AI in Operating Systems” was held on 27/09/2025 from 11.00 to 12.00 PM for 3<sup>rd</sup> semester students.

The resource person for the session AI in Operating Systems was Dr. Vijaya Kumar B P, Professor and Head, Artificial Intelligence & Data Science, MSRIT. Sir began the session by reminding students about the importance of using AI tools **ethically**, stressing that AI should support learning and not replace genuine effort. During the session, he explained how Artificial Intelligence is becoming an essential part of modern operating systems by making them smarter, more secure, and more efficient. He spoke about AI’s ability to manage system resources intelligently, detect threats, optimize power usage, and enhance the overall user experience. The talk helped students understand how AI is transforming operating systems and shaping the future of computing.





**Dr. Vijaya Kumar addressing the 3<sup>rd</sup> Semester students**

**Faculty Coordinators**

**Dr. Naidila Sadashiv  
Dr. Basamma U Patil  
Ms. Kavya T. C**

**HOD-ISE**

# IEEE Information Theory Society – Student Chapter, JSSATEB

A report on IEEE Day – Oct 29<sup>th</sup>, 2025

Theme: Leveraging Technology for a better tomorrow

The Department of Information Science and Engineering (ISE) and the Department of Robotics and Automation (R&A) of JSS Academy of Technical Education, Bengaluru, jointly celebrated IEEE Day 2025 on 29th October 2025. The event, themed “Leveraging Technology for a Better Tomorrow”, aimed to inspire innovation and collaboration among students. It featured insightful panel discussions and hands-on workshops in areas like PCB design, Python & Robot Kinematics, and Machine Learning. The celebration provided a dynamic platform for UG students to explore emerging technologies and exchange ideas.

## Event Poster:

**JSS ACADEMY OF TECHNICAL EDUCATION**  
Celebrates  
**IEEE DAY**

**Event Highlights:**

- Inauguration and Keynote Address
- Panel Discussion on “Recent Trends in AI, Robotics and Information Technology”
- Workshops on
  - Robot Kinematics with Python
  - PCB Design
  - Machine Learning (ML)

29th OCTOBER 2025 AT 9AM  
A Block Sem Hall-1

**REGISTER NOW!!**

**Registration Fee for Workshop:**  
IEEE Members : Free  
Non-IEEE Member: 100

**Faculty Coordinators:**  
Dr. Nethravathi B  
IEEE ITS Faculty Adviser  
Dr. Ramya M V  
Branch Counselor,  
IEEE RAS Adviser

**JSS ACADEMY OF TECHNICAL EDUCATION**  
**PANEL DISCUSSION**  
Topic : Recent trends in AI, Robotics, and Information Technology

**CHIEF GUEST**

**A. Vaidyanathan**  
Founder & Managing Director, Personal Air Quality Systems Pvt. Ltd.

**PANELISTS**

**Dr. Premananda B.S**  
Associate Professor, Dept. of E&TC Engg., RV College of Engineering, Chair, IEEE ITS Bangalore Chapter

**Dr. Prashanth N**  
Ph.D., MIEEE, HoD (Incharge), Dept. of Robotics & AI, NMIT, Vice Chair, IEEE RAS Society – Bangalore Section

**EVENT DETAILS**

**Date: 29.10.2025**  
**Time: 9:30 AM**  
**Venue: Seminar Hall 1**  
**Audience: UG Students**

**Hitesh Jain**  
Visiting Professor / Robotics Engineer

**Dr. Deb Singdeo**  
Senior Customer Success Engineer, MathWorks

This poster is an official invitation for the IEEE Day 2025 celebration and Panel Discussion organized at JSSATEB, Bengaluru, hosted jointly by the Departments of Information Science and Engineering (ISE) and Robotics and Automation (R&A).

**Event Details:**

**Date:** Oct 29<sup>th</sup>, 2025

**Number of Attendees:** 100

**Venue:** SEM Hall-1, JSSATEB

**Timings:**

1. **Assemble and Inauguration** – 9:00am to 9:30am
2. **Key note Address by Chief Guest** – 9:30am to 10:30am
3. **Tea Break** – 10:30am to 10:45am
4. **Panel Discussion** – 10:45am to 12:30pm
5. **Lunch Break** – 12:30pm to 1:30pm
6. **Workshop** – 1:30pm to 4:00pm

**Dignitaries in Attendance:****1. Chief Guest-**

A. Vaidyanathan, Founder & Managing Director of Personal Air Quality Systems Pvt. Ltd.

**2. Panel Members-**

- a) **Dr. Premananda B.S** - Associate Professor, Department of Electronics and Communication Engineering, RV College of Engineering (RVCE), Bengaluru, Chair, IEEE ITS Bangalore Chapter
- b) **Dr. Prashanth N** - PhD, MIEEE, HoD (In charge), Department of Robotics & AI, NMIT, Vice Chair, IEEE RAS Society – Bangalore Section
- c) **Hitesh Jain** - Visiting Professor/Robotics Engineer
- d) **Dr. Deb Singdeo** - Senior Customer Success Engineer, MathWorks

**Session Details:****Key note session:**

Mr. A. Vaidyanathan is the Founder and Managing Director of Personal Air Quality Systems (PAQS), Bengaluru. He is a technologist and entrepreneur working in the field of air quality monitoring and health-focused IoT solutions. His company develops innovative sensor-based systems and analytics platforms to provide hyper-local air quality data and smart health applications that help combat air pollution and improve respiratory wellness.

With a strong vision to make clean air accessible to all, he has pioneered smart inhaler technologies and context-aware environmental monitoring systems. His efforts bridge the gap between technology, environment, and public health, bringing practical solutions to everyday air quality challenges. Under his leadership, PAQS continues to contribute significantly toward building a healthier and more sustainable future.

## Panel Discussion on Recent Trends in AI, Robotics and Information Technology

Moderators for this session:

- a) A V Ranganath, 5<sup>th</sup> Sem, ISE
- b) Chandan G S, 5<sup>th</sup> Sem, ISE

The panel discussion on “Recent Trends in AI, Robotics, and Information Technology” brought together eminent speakers — **Dr. Prashant, Mr. Hitesh, Dr. Deb Singdeo, and Dr. Premananda** who shared valuable insights on the rapidly evolving landscape of artificial intelligence and robotics. The session explored how emerging technologies are reshaping industries, redefining human work, and raising important ethical, technical, and policy-related questions.

The discussion delved into key trends such as the rise of humanoid robots, advances in edge computing, quantum computing, multimodal AI systems, and open-source innovation. Panelists debated whether scaling up large AI models alone can lead to Artificial General Intelligence (AGI) or if new paradigms like embodiment, consciousness, and efficient co-design are needed.

Critical ethical and societal concerns were also raised, including accountability for AI-driven decisions, emotional manipulation by social robots, copyright ownership in AI-generated art, and the sustainability of AI’s energy demands. The experts emphasized the growing importance of human-centric skills like creativity, empathy, and critical thinking in an AI-saturated world.

The session further touched upon India’s role in the global AI and robotics ecosystem, the need for stronger regulatory frameworks, and the significance of collaboration between academia, startups, and industry. The speakers encouraged students to adopt responsible innovation, focus on real-world applications, and contribute to making India a hub for robotics and intelligent systems research.

The session concluded with a strong message that while AI and robotics are revolutionizing every domain, human insight, creativity, and ethical responsibility must remain at the core of technological progress. The panel encouraged young engineers to pursue innovation with purpose blending technical excellence with social consciousness to shape a smarter and more sustainable future.



## Workshop Program

Parallel hands-on workshops on PCB Design, Robot Kinematics with Python, and Machine Learning provided 80+ participants with practical exposure and interactive learning experiences.



**Photos of the Event:**





**Date: 21-11-2025**

## **Department of Information Science & Engineering**

### **Brief report:**

With the divine blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, the Inter-Department MUN Debate Competition “Unmute the Debate: Unfiltered” was successfully organized by MUNSOC, Department of Information Science & Engineering. The event aimed to provide a platform for students to articulate informed perspectives on socio-political and ethical issues, fostering critical thinking and public speaking skills.

### **Key Highlights:**

**Organiser: MUNSOC, Department of ISE, JSSATEB**

**Date & Venue: 21 November 2025, Seminar Hall-1**

**Participants: 32 Debaters | Teams: 16 | Matches: 7 | Duration: 3 hours**

- **Participation:** The event witnessed enthusiastic participation from **32 debaters (16 teams)**, competing across 7 matches over a duration of 3 hours.
- **Structure:** The debate followed a structured format comprising three rounds:
  - *Round 1 (Knockout):* Focused on societal issues like exam integrity and media independence.
  - *Round 2 (Semi-Finals):* Covered complex topics such as the Pink Tax and international economic policies.
  - *Grand Final:* A deep dive into the Manipur Crisis and the role of education in radicalization.
- **Judging Panel:** The participants were evaluated by an expert panel including **Mrs. Reshma B., Ms. Sukrutha C. Basappa, Dr. Abhilash C. B., and Dr. Roopashree**, ensuring a comprehensive assessment of logic, delivery, and factual accuracy.
- **Outcomes:** The event successfully enhanced the analytical abilities and confidence of the students, aligning with the institution's vision of holistic development.

### **Results:**

- **Winners:** Team Homies (Shrihan Reddy and Abhinav Trivedi)
- **Runners-Up:** Team Cipher (Kushala R and Heerabai Bilgundi)

### **MUN Core Committee Members:**

Joydeep -President  
Shreya setty vn -vice President  
Darshan and shravani -finance  
Sameeksha ,Varsha and Tejal -logistics  
Samir , tanmae and Keerthana research and journalism  
Rajshekhhar and Kishor Ganesh - technical  
Preethi and Kumar -design  
Spoorthi and Venugopal -media



PRINCIPAL AWARDING THE WINNERS.



PRINCIPAL AWARDING THE RUNNER-UP.



MUNSOC Committee Members

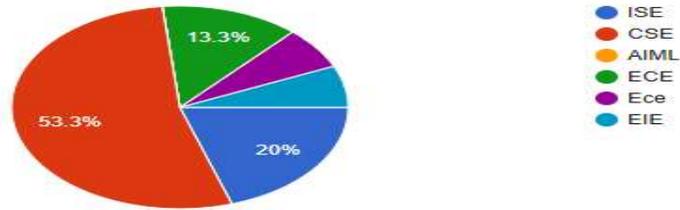
**Faculty Coordinator  
Dr. Naidila Sadashiv**

**HOD-ISE**

**Principal**

## BRANCH

15 responses



How would you rate the overall organisation and flow of the debate event?

[Copy chart](#)

16 responses



How would you rate your overall experience as a participant in the debate?

[Copy chart](#)

16 responses



How relevant and engaging did you find the debate topics?

16 responses

Great topics which are very relevant in today's world, has great pros and cons to both sides

It was relevant to the current problems and was very engaging

Some of the topics were a little biased but very good set of topics were given

Pretty relevant

It was relevant to the current time and was very engaging

All great

the topics were actually very good and yes relevant as well