

A Report on

IEEE Section Student Congress 2K25 Organized by

IEEE Hyderabad Section

On 13th December 2025 at Vardhaman College of Engineering

1. Introduction

The IEEE Section Student Congress (SSC) 2025 was successfully conducted on 13th December 2025 at Vardhaman College of Engineering. The congress aimed to bring together IEEE student members, branch counselors, faculty advisors, and industry professionals on a common platform

to promote leadership, innovation, technical excellence, and professional networking among students.

SSC 2025 provided an opportunity for students to understand the importance of IEEE, explore emerging technologies, gain valuable industry insights, and build strong professional and academic connections.

Total of 320+ Participants.(Non-IEEE Students-110, IEEE Student Members-215, IEEE Professionals-40) 38 different colleges participated in the event.

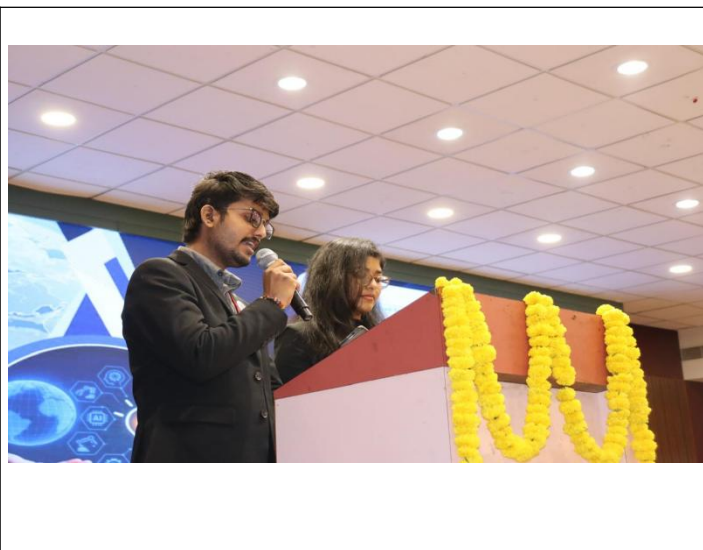
2. Programme Schedule Overview

S. No.	Event / Session	Time
1	Registration	09:00 AM – 10:00 AM
2	Inaugural Session	10:00 AM – 10:30 AM
3	Opening Address	10:30 AM – 10:40 AM
4	Principal's Address	10:40 AM – 10:50 AM
5	IEEE Hyderabad Section Leadership Addresses	10:50 AM – 11:10 AM
6	Chief Guest Address	11:10 AM – 11:30 AM
7	Technical Seminar (Low Power VLSI Design)	11:30 AM – 12:00 PM
8	Refreshment Break	12:00 PM – 12:10 PM
9	Interactive / Special Sessions	12:10 PM – 01:30 PM
10	Lunch Break	01:30 PM – 02:10 PM
11	Project Expo	02:10 PM – 03:30 PM
12	Best Student Branch Competition	02:10 PM – 03:30 PM
13	Student Branch Counselors' Meeting	02:10 PM – 03:30 PM
14	Valedictory Session	03:30 PM – 04:00 PM
15	Certificate Distribution & Group Photo	04:00 PM onwards

Inaugural Ceremony (09:00 AM to 09:45 AM):

The IEEE Section Student Congress (SSC) 2025 commenced with the formal introduction of dignitaries, followed by the traditional candle lamp lighting ceremony. The inaugural proceedings set a respectful and enthusiastic tone for the event.

The entire event was smoothly anchored by **Ms. Ratnamani Likitha** - SN Member, Hyderabad section and **Mr. Siddha Sankalp** - SN Member, Hyderabad section, who effectively engaged the audience and ensured seamless coordination throughout the program.



Opening Address

The first address was delivered by **Mr. Mahesh Nirati Sir**, Convener of Section Student Congress 2025 and Immediate Past Vice Chair – Student Activities Community, IEEE Hyderabad Section. He began his speech by expressing gratitude to the distinguished guests, speakers, organizers, and participants. On behalf of the IEEE Hyderabad Section Chair, who could not attend the event, Mr. Mahesh Sir shared a brief note conveying best wishes for the success of SSC 2025.



Inaugural Ceremony



Inaugural Ceremony



Speech by **Mr. Mahesh Nirati Sir**



Speech by **Mr. Bala Prasad sir**

He then outlined the schedule and main theme of the congress, emphasizing student development, leadership, innovation, and industry engagement. He concluded by appreciating the efforts of all IEEE student branches, branch counselors, and volunteers for their cooperation and active participation.

Address by the Principal

Following this, **Dr. JBR Ravindra Sir**, Principal of Vardhaman College of Engineering, addressed the gathering. He highlighted the importance of IEEE as a global professional organization and stressed the value of networking, collaboration, and connecting with like-minded professionals to enhance both academic and career growth.

IEEE Hyderabad Section Leadership Addresses

Mr. Bala Prasad Peddigeri Sir, Vice Chair, IEEE Hyderabad Section (2025), spoke about the wide range of opportunities offered by IEEE. He advised students to continuously build their skills in areas such as Artificial Intelligence, Cyber Security, Core Engineering, and Critical Problem Solving, while also upholding strong character and ethical values. He emphasized that IEEE not only enhances technical knowledge but also teaches critical thinking, communication skills, ethical decision-making, and situational handling. He encouraged participants to actively network during the event and leverage IEEE connections throughout their professional lives. He also briefed the audience on various initiatives and offerings by the IEEE Hyderabad Section.

Mr. N. Venkatesh Sir, Secretary, IEEE Hyderabad Section (2025), emphasized that doing unique and meaningful work makes an individual stand out. He thanked the management and Principal of Vardhaman College of Engineering for coordinating and hosting the event successfully. He then introduced the Chief Guest of the event.



Guest Speaker Session



Guest Speaker Session



Technical Session

Chief Guest Address

The Chief Guest, **Mr. Shrikant Sinha Sir**, CEO – TASK Telangana, delivered an inspiring and insightful address on upskilling, reskilling, innovation, and the IEEE ecosystem in India. He explained how IEEE has evolved in India and continues to function effectively in supporting students and professionals. He actively interacted with the audience by posing critical problem statements and encouraged students to participate in hackathons as they provide a pathway toward research and innovation.

He discussed the concept of general-purpose Artificial Intelligence and explained how AI connects multiple domains through real-world examples. He highlighted what industries look for in graduates and shared five key success principles. He concluded his session by addressing the issue of electrical waste and its environmental impact.

As a mark of appreciation, **Mr. Shrikant Sinha Sir** was felicitated by **Mr. Mahesh Sir**, **Mr. Bala Prasad Sir**, and **Mr. N. Venkatesh Sir**.



Technical session



Felicitaton



Felicitation to Guest Speaker

Key Sessions and Discussions

1. Importance of IEEE Membership

The speakers highlighted the various benefits of IEEE membership, including:

- Access to IEEE resources, journals, and research publications
- Opportunities to work on real-world problem statements
- Membership discounts, rebates, and faculty membership benefits
- Funding opportunities, sponsorships, and research grants
- Exposure to global technical communities and professional networks

2. Industry Exposure and Career Guidance

The sessions provided guidance on bridging the gap between academia and industry, focusing on:

- The role of industry mentors and role models
- Internship opportunities and career pathways
- Portfolio building and talent development
- Connecting students with industry ecosystems and professional platforms

3. Emerging Technologies and Innovation

Several talks emphasized the significance of emerging technologies, particularly:

- Artificial Intelligence (AI) and its real-world applications
- AI as a productivity-enhancing and problem-solving tool
- General-purpose AI and its cross-domain usage
- The importance of interdisciplinary learning, including AI, Cyber Security, and core engineering domains

- Innovation through critical thinking and problem-solving

4. Leadership and Professional Skills

The importance of leadership and professional development was highlighted through discussions on:

- Situational leadership and adaptability
- Effective communication skills
- Ethical decision-making and character building
- Teamwork, responsibility, and critical thinking

IEEE was presented as a platform that nurtures both technical expertise and leadership excellence among students.



Technical Session

A technical seminar on **Low Power VLSI Design and Hold-Time Fundamentals** was delivered by **Mr. Yachareni Santosh Sir** from the Silicon Design Team. The session covered the importance of low-power design, design methodologies, milestones in low-power VLSI, risks and challenges, and future outlook with a focus on sustainability. The session provided valuable industry-oriented knowledge to the participants. Mr. Santosh Sir concluded by thanking IEEE for providing the opportunity to interact with students. He was later felicitated by the organizing team. A short refreshment break was provided from **11:30 AM to 11:40 AM**.

Special and Interactive Sessions

After the break, the session was handed over to **Mr. Sri Charan Lakkaroju**, Founder & CEO of Student Tribe. His session was highly interactive and served as an effective ice-breaking segment. He discussed the practical uses of Artificial Intelligence and addressed common misconceptions, stating that AI will create more jobs rather than eliminate them. His engaging interaction with students made the session lively and informative. He was felicitated by **Mr. Bala Prasad Sir** and **Mr. N. Venkatesh Sir**.

Following this, **Mr. Pankaj Diwan**, Founder of Idealabs – Future Tech Venture & Talent Arm (AI), began his session with a video demonstrating AI-based graphic design and creative thinking. He shared the powerful statement, *"You will do well when you do what you truly want to do."* He also showcased an AI tutor (Copilot) video presented by **Mr. N. Venkatesh Sir**, explaining how AI assists users in thinking and problem-solving

rather than simply providing final answers. It was announced that efforts are being made to provide free access to AI Copilot for IEEE members. **Mr. Pankaj Diwan Sir** and **Mr. N. Venkatesh Sir** were felicitated by **Mr. Bala Prasad Sir**.



Best SB and other Events

Later, **Mr. Manish Gupta**, Venture Partner and Advisor, delivered a session on understanding the real-world impact of AI and Enterprise AI. He explained the concept of enterprise systems, industry realities, and how students can learn and prepare for Enterprise AI roles. His interactive approach kept the audience highly engaged. He was felicitated by **Mr. Bala Prasad Sir**.

Post-Lunch Parallel Sessions and Student Engagement

A lunch break was observed from **1:30 PM to 2:10 PM**. After lunch, multiple parallel sessions were conducted:

1. **Project Expo**
2. **Best Student Branch Competition (Poster Presentation)**
3. **Student Branch Counselors' Meeting**

Student Branch Counselors' Meeting: The Student Branch Counselors' Meeting was attended by Student Branch Counselors from various IEEE Student Branches, along with **Mr. Bala Prasad Sir**, **Mr. Mahesh Sir**, **Dr. Y. Vijayalata Reddy Mam**, **Mr. Pankaj Diwan**

Sir, **Mr. N. Venkatesh Sir**, and **Mr. Jasti Sir** (online). Key discussions included delayed funds and rebates, membership discounts, and revised financial processes.

Mr. Pankaj Diwan Sir delivered a short industry-oriented presentation covering industry mentorship, role models, resource and industry management, internships, and strategies for students to build strong portfolios and develop talent. Plans for the next meeting were also discussed, especially with the return of the Section Chair. **Mr. Jasti Sir** explained the updated process for funds and rebates. The meeting concluded with clarification of queries raised by the branch counselors.



Meeting of IEEE Student Branch Counsellors

Project Expo and Best Student Branch Competition

Simultaneously, the Project Expo was evaluated by **Mr. Saurav Sir**, **Mr. Manish Sir**, **Mr. Yachareni Santosh Sir** and other evaluators. The Best Student Branch Competition (Poster Presentation) was conducted and evaluated by designated judges, including two representatives from AMD and one representative from Silicon Labs—the event sponsors—along with Mr. N. Venkatesh Sir. Meanwhile, participants present in the auditorium were actively engaged through ice-breaking activities conducted by **Ms. Likitha** and **Mr. Siddha Sankalp**.

At 3:40 PM, Mr. Mahesh Sir announced the winners of the Project Expo—

First Prize: Team ASRA ROVER (Muffakham Jah college of engineering)

Second Prize: AI Smart Dustbin (Pulla Reddy Engineering College)

Third Prize: Team BOLD (SR University)

and the Best Student Branch Competition

First Place: VNR VJIET College

Second Place: Vardhaman College of Engineering

Third Place: Methodist College

marking the successful conclusion of the parallel technical and competitive activities.



Project-Expo

Conclusion

The IEEE Section Student Congress (SSC) 2025 concluded with a formal vote of thanks delivered by **Mr. Vivin Chandrra Paasam**, SSR, IEEE Hyderabad Section. The event ended on a joyful note with group photographs, marking the successful completion of a highly informative, interactive, and inspiring congress.

Overall, SSC 2025 proved to be a grand success, strengthening student engagement, leadership development, technical learning, and industry interaction. The event reinforced IEEE's role in shaping future-ready engineers, innovators, and leaders.



vote of thanks by Vivin Chandrra Paasam - SSR



Group Photo