

# B.M.S COLLEGE OF ENGINEERING

Bull Temple Road, Basavanagudi, Bangalore - 560 019, Karnataka, India



## “IEEE-Signal Processing Society Event Report”

Department of Electronics and Communication Engineering



2025 – 2026

Under the guidance of

**Dr. Poornima G**

# Introduction

This report highlights a series of successful events organized by the BMSCE IEEE SPS (Signal Processing Society) Department of Electronics and Communication, in collaboration with the IEEE Signal Processing Society Bangalore Chapter. Held in the year 2025-2026, These events covered key areas such as intelligent signal processing, emerging technologies, sustainable systems, and strategic problem solving. Each session was designed to enhance technical knowledge, encourage innovation, and promote active student participation, while aiming to expand knowledge, foster innovation, and promote engagement among students, faculty, and industry professionals. **Dr. Abhishek M Appaji**, the current Chair of the IEEE Signal Processing Society (SPS) Bangalore Chapter, played a significant role in supporting and strengthening these initiatives.

Guided by the support and mentorship of our **Faculty Advisor: Dr. Poornima G** ma'am, the events were executed with great precision and impact.

The driving force behind the success of these initiatives was our dedicated core team:

- **Chairperson:** Sankalp Kulkarni
- **Vice Chairperson:** Malavika Kancherla
- **Secretary:** Virat Malviya
- **Secretary:** Sannidhi U
- **Treasurer:** Ritikha Raj
- **Operations Head:** Shreeharsha Hegde
- **Technical Lead:** Neha Bhaskar

With their unwavering commitment, these events provided participants with the opportunity to deepen their technical expertise, foster valuable connections, and remain at the forefront of industry advancements. The overwhelmingly positive feedback is a testament to the team's hard work and passion.

# Event Report

## SQUID Game

Date: 10th May, 2025

Time: 10:00 AM onwards

Venue: CR 406, 4th Floor, PJ Block

Organized by: IEEE SPS, BMSCE

**Introduction:** On the occasion of UTSAV'25, a thrilling and engaging event titled “**SQUID GAME**” was organized to provide participants with a unique blend of entertainment, strategy, and teamwork. Inspired by the popular survival game concept, the event aimed to test participant’s physical, mental, and decision-making abilities.



The event attracted enthusiastic participation from students across departments as well as different colleges. A total of 37 teams with over 70+ people registered for the event, and the overall response was extremely positive, with the mini-game “Dalgona Candy” receiving the most praise. The program was conducted in an energetic and competitive atmosphere, making it one of the highlights of UTSAV’25.

**Event Overview:** The event was conducted on **10th May, 2025**, starting at **10:00 AM** in **CR 406, PJ Block**. Participants competed in teams of two and paid a registration fee of **₹100 per head**. The event featured a series of challenging and entertaining rounds inspired by the Squid Game concept.

The competition consisted of multiple levels, including Red Light Green Light, Tug of War, Dalgona Challenge, Marbles, and Deal or Ditch. Each round tested different skills such as coordination, strategy, presence of mind, and teamwork.

Teams that successfully cleared one round progressed to the next, making the competition intense and exciting. The Marbles and Deal or Ditch rounds, in particular, required strong analytical and negotiation skills, adding depth to the gameplay.

With a prize pool of ₹4560, the event was well-organized and professionally managed. Volunteers ensured smooth coordination, fair play, and participant safety throughout the program. The event concluded successfully with enthusiastic participation and positive feedback from the students.



## Key Highlights and Objectives of the Event:

### Key Highlights:

- 37 teams or 70+ members participated in the event.
- Total sponsorship was raised to ₹24,500.
- Exciting multi-round competition inspired by Squid Game.
- Team-based participation promoting collaboration and coordination.
- Challenging rounds including Red Light Green Light, Tug of War, Dalgona, Marbles, and Deal or Ditch.
- Prize pool of ₹4560.
- High level of enthusiasm and sportsmanship among participants.
- Smooth and well-managed execution of the event.

### Objectives:

- To provide students with an engaging and entertaining competitive platform.
- To enhance teamwork and leadership skills.
- To encourage strategic thinking and decision-making abilities.
- To promote active participation in cultural and technical events.
- To create a memorable experience as part of UTSAV celebrations.



**Acknowledgement:** We express our sincere gratitude to all the teams participating for their valuable support, which contributed significantly to the success of the event. We also extend our heartfelt thanks to the faculty members, organizing committee, and volunteers for their continuous guidance, coordination, and efforts in making this event a grand success. Special appreciation is extended to all the participants for their enthusiastic involvement and sporting spirit throughout the competition.

**Conclusion:** The event “SQUID GAME” was a highly successful and memorable program conducted as part of UTSAV’25. It provided participants with an exciting platform to test their skills, teamwork, and strategic thinking.

The well-planned structure, enthusiastic participation, strong sponsorship support, and effective management ensured the smooth conduct of the event. Participants enjoyed every round and gained valuable experiences that contributed to their personal and social development.

Overall, the event fulfilled its objectives and stood out as one of the most engaging activities of the celebration, leaving lasting memories for everyone involved.





BMSCE IEEE SPS  
PRESENTS

# SQUID GAME

PRIZE POOL: ₹4560

**VENUE:**  
CR 406,  
4<sup>TH</sup> FLOOR  
PU BLOCK

**FEE:**  
TEAM OF 2  
(100 PER HEAD)  
**DATE:**  
10TH MAY



NEHA:  
6362350453

Would you risk it all for the money of your life?



SHREEHARSHA:  
8762328948

## Event Report

### Next Gen Signal Processing with AI

Date: 16th October, 2025

Time: 2:00 PM – 4:00 PM

Venue: ECE Seminar Hall, PJ Block

Organized by: IEEE SPS, BMSCE

**Introduction:** BMSCE IEEE SPS, as part of IEEE PELS & IES Week hosted an expert-led workshop titled “**Next Gen Signal Processing with AI**” to explore how Artificial Intelligence and Machine Learning are transforming modern signal processing. The session focused on applications in audio, image, and biomedical signal analysis.



The workshop was conducted at 2:00 PM and was open to students from multiple departments. Around 45 participants attended the session and actively took part in various activities. The event aimed to provide practical knowledge and exposure to emerging AI-based technologies.

**Event Overview:** The workshop featured an insightful session led by Dr. Sanjeev, who shared his expertise on Artificial Intelligence and MATLAB. He explained how AI and machine learning techniques are being applied in real-world signal processing systems.

The session included interactive elements such as real-time quizzes and a dedicated Question and Answer segment, which encouraged student participation. Participants enthusiastically engaged with the speaker and clarified their doubts related to AIML concepts.

Several important topics related to Artificial Intelligence, Machine Learning, and advanced signal processing were discussed. The session was structured in a simple and understandable manner, allowing students from different academic backgrounds to benefit equally.

The workshop successfully created an engaging learning environment and provided valuable exposure to next-generation technologies.



## Key Highlights and Objectives of the Event:

### Key Highlights:

- Around 45 participants from multiple departments attended the workshop.
- Expert session conducted by Dr. Sanjeev on AI and MATLAB.
- Real-time quizzes and interactive Q&A sessions.
- Covered various topics related to AI, ML, and signal processing.
- High level of student participation and engagement.
- The session concluded with a formal vote of thanks.

### Objectives:

- To introduce students to next-generation signal processing techniques.
- To highlight the role of AI and ML in modern engineering applications.
- To provide practical exposure to MATLAB and AI tools.
- To encourage interactive learning through quizzes and discussions.
- To enhance students' academic and professional skills.



**Acknowledgement:** We extend our sincere gratitude to Dr. G. Poornima ma'am for her continuous support and encouragement throughout the planning and execution of the workshop. Her guidance played a vital role in the successful organization of this event. We also express our heartfelt thanks to Dr. Sanjeev for dedicating his valuable time and sharing his expertise on Artificial Intelligence and MATLAB with the participants.

**Conclusion:** The workshop “Next Gen Signal Processing with AI” was a highly informative and engaging session. It provided students with valuable insights into emerging technologies and their practical applications in signal processing. As the session came to an end, participants expressed their appreciation for the knowledge gained, which will be beneficial for their future academic and professional journey. The active involvement of students, expert guidance from the speaker, and strong support from the faculty made the event a grand success.

Overall, the workshop was a memorable learning experience and successfully fulfilled its objectives of promoting awareness and interest in AI-driven signal processing technologies.





BMSCE IEEE SPS in collaboration with BMSCE  
IEEE PELS & IES on account of PELS & IES  
Week 2025 presents

# Next Gen Signal processing in AI



## DETAILS



16TH OCTOBER



2PM TO 4PM



ECE SEMINAR HALL

## FEE

IEEE - ₹50/-

NON IEEE - ₹70/-

## SCAN HERE



# Event Report

## The Sun Chase

**Date:** 17th April, 2025

**Time:** 11:00 AM – 1:00 PM

**Venue:** BSN Hall, BMS College of Engineering

**Organized by:** IEEE SPS BMSCE in collaboration with IEEE PES BMSCE

**Introduction:** On the occasion of PES Day '25, IEEE SPS BMSCE in collaboration with IEEE PES BMSCE organized an engaging and intellectually stimulating event titled “The Sun Chase.” The event was designed as an online treasure hunt centered around the theme of solar energy, encouraging participants to explore concepts related to renewable energy while solving clues and challenges. The objective was to blend technical awareness with fun, teamwork, and problem-solving.



**Event Overview:** The Sun Chase was conducted as a two-hour competitive challenge where participants, working in teams of two, solved a sequence of solar-energy-themed riddles, technical puzzles, and logical tasks. Each clue led to the next stage, requiring analytical thinking, awareness of sustainable technologies, and collaboration between teammates. The event witnessed enthusiastic participation from students across various departments, creating an atmosphere of excitement and curiosity.

### **Key Highlights:**

Conducted as part of PES Day '25 celebrations.

Theme-based treasure hunt focused on solar and renewable energy concepts.

Team participation encouraged collaboration and strategic thinking.

Free registration enabled wide student participation.

Tasks combined technical knowledge, logic, and creativity.

Event promoted awareness of sustainable energy solutions.

Smooth coordination by IEEE SPS and IEEE PES volunteers.

### **Objectives:**

To create awareness about solar energy and sustainability.

To encourage problem-solving and analytical thinking.

To foster teamwork and collaboration among students.

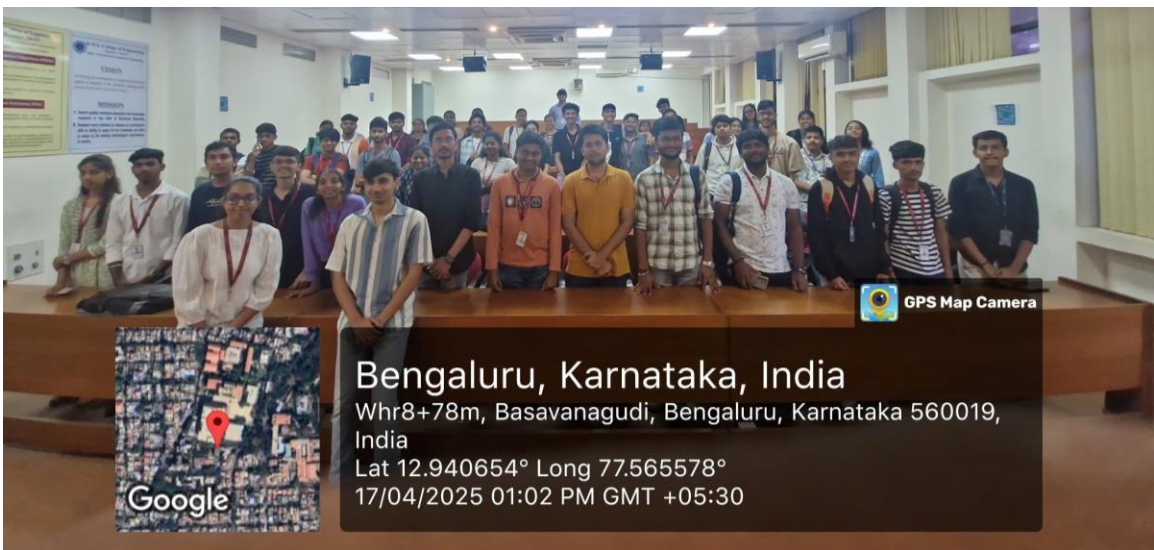
To celebrate PES Day through an engaging technical activity.

To provide a fun yet educational platform beyond the classroom.

**Acknowledgement:** We express our sincere gratitude to the management of BMS College of Engineering for providing the venue and support to conduct the event successfully. We thank all faculty coordinators, IEEE SPS and IEEE PES volunteers, and organizing members for their dedicated efforts in planning and execution. Special appreciation goes to all participants whose enthusiasm made the event lively and meaningful.



**Conclusion:** The Sun Chase was a successful and memorable event that effectively combined learning with entertainment. By integrating renewable energy awareness into a competitive treasure hunt format, the program inspired students to think about sustainable technologies while enjoying a collaborative challenge. The event achieved its objectives of engagement, education, and celebration of PES Day, leaving participants with valuable knowledge and a rewarding experience.



# Event Report

## Tech Talk: “Technology Trends: Global & Indian Perspective

Date: 7th April 2025

Time: 2:00 PM – 4:00 PM

Venue: BSN Hall, PG Block

Organized by: IEEE SPS, BMSCE

**Introduction:** BMSCE IEEE SPS hosted an exciting and enriching tech talk titled “Technology Trends: Global & Indian Perspective” on 7th April 2025 at BSN Hall, PG Block. The event was open to all and completely free of cost. The talk was delivered by Mr. Pathy Iyer, Director at ELTECH Consultancy. Around 60 participants attended and actively engaged in the event, contributing to a highly interactive and enthusiastic atmosphere.



The focus of the event was to dive into cutting-edge fields like Quantum Computing and Artificial Intelligence, providing attendees with insights into global and Indian advancements, career opportunities, and skill development.

**Event Overview:** Mr. Pathy Iyer conducted an insightful session that introduced participants to current and emerging technology trends. He discussed various real-world case studies and explained how the technology is evolving rapidly across industries. Participants were highly engaged, taking part in live quizzes conducted by the speaker and asking thoughtful questions about their areas of interest.

The session was highly inclusive, ensuring students from all technical backgrounds could relate and gain something valuable. Mr. Pathy's ability to connect with students and simplify complex tech concepts played a key role in making the session a success. Topics covered ranged from quantum computing fundamentals to AI applications, creating a broad and informative learning experience.

Towards the end of the session, as a gesture of gratitude, a bouquet and chocolates were presented to Mr. Pathy Iyer by the IEEE SPS team.



## Key Highlights and Objectives of Event:

### **Key Highlights:**

- Over 60 participants from various departments attended the session.
- Highly interactive tech talk with real-time quizzes and Q&A.
- Covered a wide range of topics including quantum computing, AI, and tech trends.
- Students actively engaged with the speaker, making the session dynamic and insightful.
- The event concluded with a vote of thanks and a token of appreciation for the guest speaker.

### **Objectives:**

- Provide a platform for students to explore future technology trends.
- Introduce emerging domains like Quantum Computing and Artificial Intelligence.
- Offer practical career insights and guidance.
- Create opportunities for interaction with industry professionals.
- Encourage curiosity and engagement through quizzes and Q&A.



**Acknowledgment:** We extend our heartfelt gratitude to Dr. Poornima G ma'am and Dr. Latha H N for their constant support and guidance throughout the planning and execution of the event. Their encouragement and assistance played an integral role in making this tech talk a grand success.

**Conclusion:** The tech talk “Technology Trends: Global & Indian Perspective” was an informative, engaging, and highly appreciated event. Participants left the session inspired and equipped with new knowledge about future technologies and career possibilities. With enthusiastic participation and valuable guidance from the speaker and faculty, the event was truly a memorable learning experience for everyone involved.





**BMSCE IEEE SPS PRESENTS**

# TECHNOLOGY TRENDS : GLOBAL AND INDIAN PERSPECTIVE



Unlock the world of Quantum Computing- gain expert insights and explore exclusive career opportunities!

## WHY ATTEND?

Gain practical knowledge and real-world case studies

Explore potential internship opportunities

Connect with like-minded peers

## SPEAKER :



**PATHY IYER**

DIRECTOR  
ELTECH Consultancy

**07** April 2025


**2:00 PM-4:00 PM**

**REGISTRATION FEE- FREE!**

Attendance will be provided!

 BSN HALL, PG block

 Sankalp : 7090886679

 Malavika : 8106699154

# IEEE-SPS

## Eco-Vision Hackathon

IEEE-SPS organized an innovative hackathon event titled “Eco Vision Hackathon” to encourage students to come up with sustainable and technology-driven solutions for environmental challenges. The event brought together enthusiastic participants to brainstorm, design, and develop impactful ideas for a greener future.

### **Date and Time:**

The event commenced at 10:00 AM on the 2nd day of phase shift 2025.

### **Participation:**

The hackathon received an overwhelming response with a total of 30 participants, forming 9 dynamic teams



### **Proceedings:**

The event began with a short inaugural session, where the coordinators introduced the objectives and problem statements of the hackathon. Participants were given time to ideate and work on their solutions, collaborating actively within their teams. The hackathon atmosphere encouraged creativity, teamwork, and problem-solving.

Club coordinators, Event coordinators and volunteers guided participants and clarified their doubts. Each team presented their innovative ideas and prototypes during the final evaluation round.

### **Outcomes:**

The hackathon saw several innovative solutions aimed at sustainability and eco-friendly practices. Students showcased skills in technology, design thinking, and practical implementation. The event helped participants gain valuable experience in:

Applying technical knowledge to real-world environmental challenges  
Working effectively in teams  
Enhancing presentation and pitching skills



Prizes were awarded to the top-performing teams:

First Prize – ₹1500

Second Prize – ₹1000

Third Prize – ₹800

This recognition further motivated the participants and celebrated their efforts.

**Conclusion:**

The Eco Vision Hackathon successfully met its objective of creating awareness and fostering innovation in sustainability. With strong participation and creative outputs, the event was a memorable and impactful experience for all involved. The IEEE-SPS Student Chapter plans to continue such initiatives to encourage student innovation for social and environmental good.