BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
An Autonomous Institute Under VTU, Accredited by NBA and NAAC
Yelahanka, Bengaluru-560119.

Name of the Club:

IEEE Signal Processing Society (SPS), BMSIT&M Student Branch Chapter

Date of Formation: 2019

Coordinator: Dr. Saneesh Cleatus T, ECE

Objective:

To promote the theory and application of signal processing and provide a collaborative platform for students to innovate and engage in research, workshops, and hands-on activities across audio, image, biomedical, and AI signal domains.

Frequency of Meeting:

Core Team Meeting: Once every 2 weeks

Event-Specific Meetings: As required

Social media link:

LinkedIn:
https://www.linkedin.com/in/ieeespsbmsitm?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app

Instagram:
https://www.instagram.com/sps_bmsit?utm_source=ig_web_button_share_sheet&igsh=ODdmZWVhMTFiMw==

Website: https://ieeespsbmsit.netlify.app/

Contact Details:

Vice Chair: 7389296975

Treasurer: 8618978745

Roles and Responsibilities:

- Organize technical events, hands-on workshops, and webinars in signal processing, AI, and embedded systems.
- Promote research and higher education opportunities through expert talks and panels.

- Foster interdisciplinary collaboration via project-based learning (e.g., Summer/Winter of Projects).
- Engage students in IEEE SPS initiatives like ICASSP satellite events, global funding opportunities, and industry networking.
- Develop leadership, innovation, and technical skills among student members

One Year Activities conducted:

INSIGHT HUB

Date: 10th May 2024

Venue: Online Webinar (Google Meet)

Duration: 1.5 Hours

Category: Technical Webinar

Brief about the Event: Insight Hub was an engaging initiative by IEEE SPS BMSIT&M, featuring an informative session by Varun Sarathchandran, a master's student at TU Delft and recipient of the prestigious IEEE SPS Scholarship. The event focused on guiding students aspiring for higher studies in electrical engineering with a specialization in signal processing, covering the admission process, scholarships, and career opportunities.

Number of Attendees: 95

Summer of Projects

Date: 20th May - 29th July

Venue: Arohana Lab, BICEP Cubicles.

Duration: 35 Days

Category: IOT / Robotics Workshop

Brief about the Event: The Summer of Projects was a collaborative initiative by IEEE CIS, RAS, and SPS, focusing on hands-on training in IoT and robotics. Guided by SPS and RAS, participants developed IoT-based remote-controlled robots over a month, progressing from basic soldering and integration to programming line-following robots. The event concluded with the exciting Robo Soccer League, where teams competed in a robot soccer game. Number of Attendees: A focussed group of 30 Students (From junior years)

CAPTURE THE SIGNAL

Date: 5th, 6th of July 2024

Venue: APJ Abdul Kalam Lab (on 5th), BICEP Cells (on 6th)

Duration: 2 Days

Category: Chapter Initiative (Competition oriented)

Brief about the Event: "Capture the Signal" (CTS) was a two-day, chapter-initiative event conducted by IEEE SPS BMSIT. The event was funded by IEEE SPS Global, showcasing its importance and alignment with IEEE's mission of advancing technology. This event was also conducted as an ICASSP Satellite Event in collaboration with and supported by IEEE SPS Bangalore Section. The competition revolved around signal processing concepts and aimed to engage participants in solving practical and technical challenges.

Number of Attendees: 120 students (on 5th), 48 (on 6th)

INSIGHT HUB 2.O

Date: 22nd July 2024

Venue: Academic Block, Seminar Hall, 2nd Floor, BMSIT

Duration: 2 hours

Category: Technical Talk

Brief about the Event: InsightHub 2.0 was a highly engaging fireside chat that brought together experts from prestigious international universities to discuss cutting-edge advancements and opportunities in research, signal processing, and machine learning. This offline event attracted participation from students across various colleges, creating a platform for fruitful networking and knowledge sharing.

Number of Attendees: 30 students

Panelists :

- Dr. Raghavendra Selvan, University of Copenhagen
- Dr. Sneha Das, Technical University of Denmark
- Varun Sarathchandran, TU Delft

EXPERT EDGE

Date: 17th August 2024

Venue: Online Webinar (Google Meet)

Duration: 1.5 hours

Category: Webinar

Brief about the Event: Expert Edge webinar, held on 17th August, featuring Simran Khokha, Product and Strategy Manager at Infineon Technologies, Germany. The session provided valuable insights into career paths within the global semiconductor industry, focusing on emerging trends, skills, and opportunities in this rapidly evolving field.

Number of Attendees: 90 students

WINTER of PROJECTS

Date: 11th November 2024 - 19th December 2024

Venue: College Campus, BMSIT&M

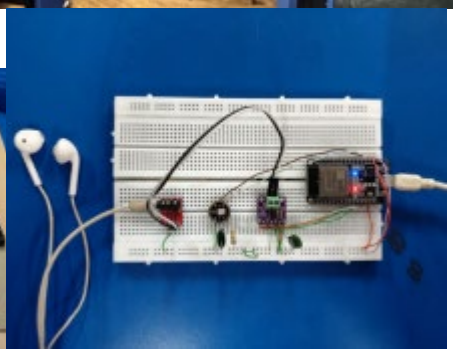
Duration: 1 month

Category: Technical

Brief about the Event: Winter of Projects was a month-long initiative organized collaboratively by IEEE societies such as RAS, CoMSoC, SPS, ITS, and CIS. The event aimed to provide practical exposure to students through problem-solving and project

development. Each society contributed problem statements, with IEEE SPS offering 7 out of the 35 total challenges.

Number of Participants: 90 students



Stark Expo '24

Date: 20th and 21st December 2024

Venue: Ground Floor, Academic Block, BMSIT

Duration: 10 am to 1pm

Category: Technical Exporium

Brief about the Event: Brief about the Event: Stark Expo was a the result of a month-long initiative to encourage innovation and teamwork among students from the 1st to 3rd year. Teams developed projects based on problem statements they bid for and showcased their work on the day of the expo. The event featured a variety of technical projects, interactive activities, and a competitive judging process.

Number of Attendees: Around 200

Grid Wars

Date: 31st December 2024

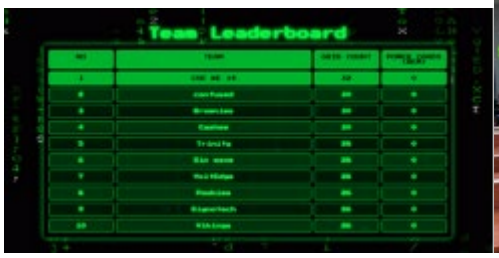
Venue: Abdul Kalam Lab, Lab Block, BMSIT

Duration: 11 am to 5pm

Category: Technical

Brief about the Event: Grid Wars was a technical event conducted as part of IEEE Week 2024. It involved a grid-based system integrated into an interactive interface, where participants progressed by solving a series of questions categorized by difficulty. The event aimed to test the analytical, problem-solving, and technical skills of the participants in a structured and engaging manner.

Number of Attendees: Around 80


Team Leaderboard