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

Name of the Club:

IEEE Communications Society(ComSoc) BMSIT Student Branch

Date of Formation:

18th August 2024

Coordinator:

Dr. Siddiq Iqbal, ETE

Objective:

To advance communications and networking technology for the betterment of humanity.

Frequency of Meeting:

Two team meetings per month, and an Annual General Meeting with all ComSoc members.

Social media link:

LinkedIn: https://www.linkedin.com/company/ieee-communications-society-bmsit

Instagram: https://www.instagram.com/bmsit_comsoc

Roles and Responsibilities:

We are a community passionate about exploring, sharing, and collaborating on cutting-edge topics in communications, including 5G/6G, Satellite Communication, Networking, Signal Processing, IoT, and AI. Members organize events, share knowledge, and develop innovative projects. We also connect BMSIT globally through the latest research, workshops, and conferences in communication technology.

One Year Activities conducted:

First Prototype test of BMSIT Online Campus Radio

On September 12th 2024, members of IEEE ComSoc at BMSIT&M, have designed a cost-effective, indigenous online campus radio solution to enhance vocal connectivity and foster community spirit. This initiative aims to bring educational and entertaining content to the campus while strengthening the sense of community among students.

Mission SPECTRUM

On December 20, 2024, BMSIT&M hosted *Mission Spectrum*, a spy-themed technical event by IEEE ComSoc BMSIT in collaboration with the AP-S MTT-S Chapter. Participants became Signal Operatives, decoding signals, designing circuits, and transmitting countermeasures to stop a cyber-attack. The four rounds included a timed quiz on ASK modulation and RC circuits, Morse code decoding with Audacity, unlocking schematics via passcode, and assembling an RF transmitter to send a counter-signal. The first team to transmit successfully won, making *Mission Spectrum* an exciting blend of signal processing, hardware design, and problem-solving
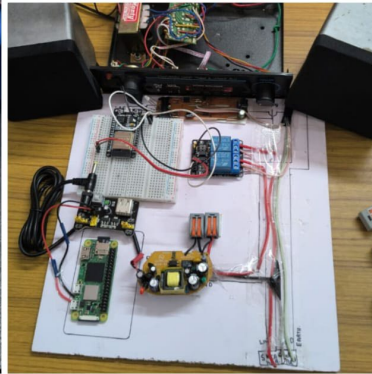
SkyPulse

Started on November 10th 2024, **IEEE SkyPulse** is a weekly weather forecast editorial providing timely, accurate updates for the campus and nearby areas. Using SDR-enabled satellite communication, it operates a VHF/UHF/L-band ground station to track cyclones and monsoons in real time. During the Fengal cyclone, the team issued early alerts on heavy rainfall and strong winds, aiding safe commute planning. The **Monsoon Cues** weekly series (starting May 2025) uses an upgraded geostationary station to monitor monsoon changes and vegetation impact. A quarterly magazine of the same name was soft-launched in January 2025, marking a major milestone.
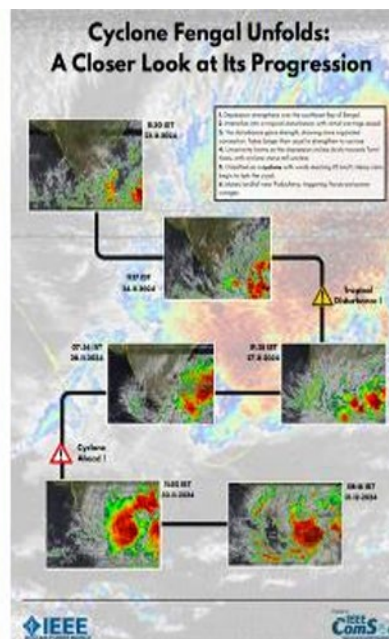
IEEE Open Day

On March 21st 2025, IEEE Communications Society BMSIT&M showcased its initiatives at the IEEE COMP-SIF 2025 Open Day at BMS Institute of Technology and Management. With the theme *"Computing for Sustainability and an Intelligent Future,"* we presented **IEEE SkyPulse**, turning satellite signals into real-time weather insights, and the **Campus Radio Station**, a budget-friendly audio streaming platform. Live hardware demos offered hands-on experiences, and Dr. Prasant Misra, Chair-Elect of the IEEE Bangalore Section, visited our stall and shared valuable insights. We also distributed the *SkyPulse* magazine and ComSoc merchandise, engaging students and professionals and reaffirming our commitment to advancing communication technology.

PowerPlay 2k25

On 28th May 2025, IEEE ComSoc Student Branch Chapter of BMSIT&M hosted POWERPLAY 2K25, a technical quiz. Merging cricket excitement with communication tech concepts, the event featured 26 teams, with 6 advancing to a thrilling finals. With fun twists, wildcard questions, and strong audience engagement, POWERPLAY 2K25 stood out as a dynamic fusion of sport and tech-driven learning .
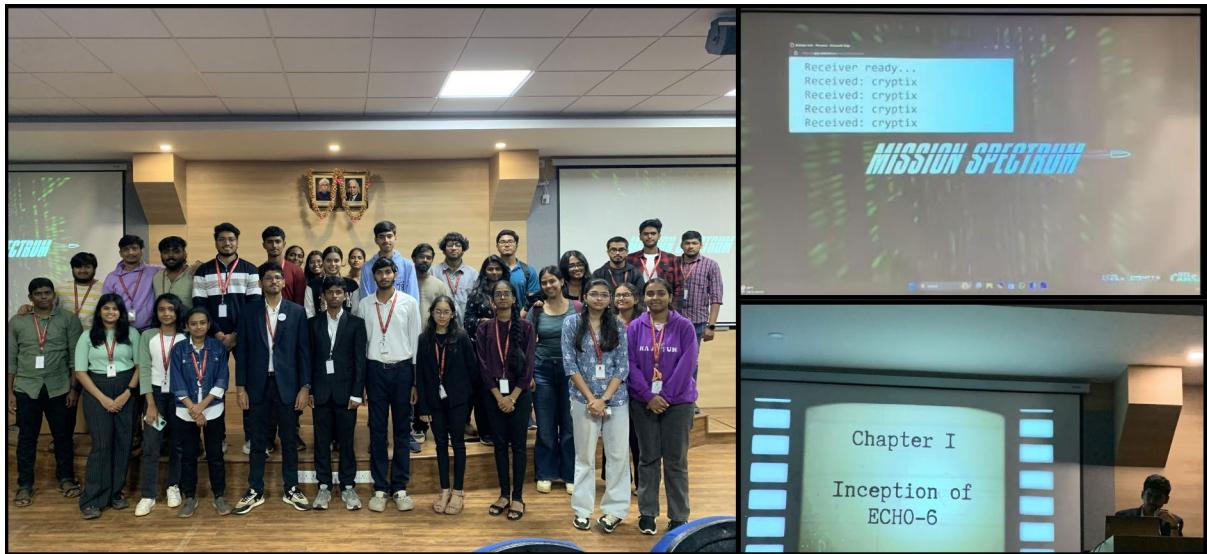
prototype test

SkyPulse

Team Pic

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EEE Open Day

Mission Spectrum

PowerPlay 2k25