

“E-Forza Club Activity - “Baseband: Back to Basics, Forward in Vision”

The Department of Electronics and Communication Engineering, under the banner of **E Forza Club**, organised an engaging technical activity titled **“Baseband: Back to Basics, Forward in Vision”** on **19. 05. 2026** at 1:30 pm- 4:00 pm. The event was conducted in two rounds, with enthusiastic participation from around 110 students in round 1 and 26 in round 2.

The E-FORZA Club of the Department of Electronics and Communication Engineering organized an engaging technical activity titled “Baseband: Back to Basics, Forward in Vision” on 19th May 2026. The session was conducted under Mr. Prasanna Kumar’s guidance. The activity focused on strengthening students’ fundamental understanding of communication systems while encouraging practical application and analytical thinking. The event was well-received, with enthusiastic participation from around 110 students.

The final event began at 1:30 PM, with **Mr. Prasanna Kumar Associate Director – Product Management, Mobileum** as Chief Guest and Judge. His presence added great value to the competition. His keen observations, constructive insights, and appreciation for the students’ work motivated participants to push their boundaries further. The event not only highlighted the talent and creativity within the ECE student community but also fostered a spirit of innovation, teamwork, and applied engineering, making it a memorable and impactful club activity. The winners were rewarded with attractive cash prizes: **Rs. 1000 for the first-place team** and **Rs. 500 for the runners-up**.

Objectives of the Event

To reinforce the fundamental concepts of communication engineering.

To enhance problem-solving and analytical skills among students.

To provide hands-on experience in simulation tools.

To encourage technical presentation and explanation skills.

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To promote active learning through competitive participation

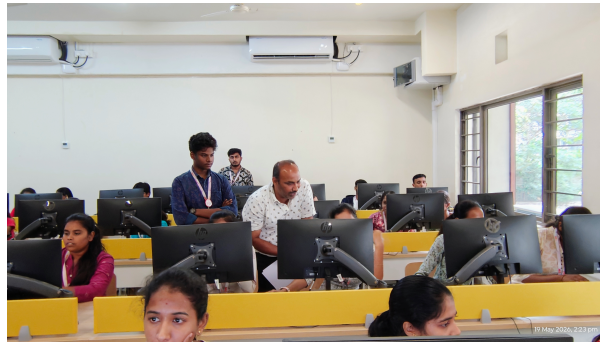


Figure 1: Mr. Prasanna Kumar interacting with students and evaluating their technical performance.

Event Overview

Details of the Activity The activity was conducted in two rounds. Round 1 consisted of a crossword puzzle based on core subjects such as Principles of Communication and Signals and Systems. This round tested the conceptual knowledge and quick thinking ability of the participants. Based on performance, around 26 students were shortlisted for the second round. Round 2 involved a practical task where participants were required to simulate and explain the working of Amplitude Modulation (AM) using PSpice software. Students were evaluated on their technical knowledge, clarity of explanation, and execution of the simulation. The resource person, Mr. Prasanna Kumar, personally interacted with and evaluated each participant, providing valuable feedback throughout the session.

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Figure 2: Second Prize winners being felicitated for their outstanding innovation and exceptional system design at the E-Forza technical competition.



Figure 3: First Prize winners receiving recognition for their creative and technically impressive project at the E-Forza event.

Outcomes and Impact

The EFORZA CLUB activity helped students strengthen their understanding of fundamental communication concepts and improved their practical skills in simulation tools. It encouraged active participation and enhanced students' confidence in explaining technical concepts. The evaluation process provided useful insights into students' analytical and presentation abilities. Overall, the activity promoted experiential learning and increased students' interest in communication engineering.

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Figure 4: Group photo of participants along with the E-FORZA Club Coordinator, capturing a memorable moment from "Baseband: Back to Basics, Forward in Vision".



Figure 5: Participants, faculty, and the resource person captured in a group photo marking the successful completion of the event.

Conclusions

The E-FORZA Club activity was highly interactive and informative. The structured rounds effectively combined theoretical knowledge with practical application. Mr. Prasanna Kumar's evaluation and guidance added significant value to the learning experience. The winners and runner-up were selected based on their overall performance, and certificates were awarded by the resource person along with Dr. Shima Ramesh Maniyath, HOD – ECE. The event concluded successfully, offering students a platform to showcase their skills and gain hands-on experience, thereby contributing to their academic and professional growth.

Winners Details

First Prize:

Chandan Immanuel A

Second Prize:

Pratheeksha

Report by: Dr Shima Ramesh Maniyath

Affiliation: HOD, Department of Electronics and Communication Engineering,

MVJ College of Engineering