

SPARK CLUB ACTIVITY on “IoT-based smart systems”

The Department of Electrical and Electronics Engineering organized SPARK CLUB ACTIVITY on “IoT-based smart systems” on 16th Oct 2024. The event started at 1:30 pm. The judge for the event was Mr. Sachin Shinde, Senior Software Engineer, Bosch Global Software Technologies Pvt Ltd, Bangalore. In this activity, **103** students from the 3rd, 5th, and 7th semesters of EEE actively participated. The activity consisted of three rounds.

Round I:

- The first round was conducted by dividing the students into batches consisting of 4 students. Different physical quantities were dictated to students and asked to write the sensors used for measurement. The selection criteria for advancing to the second round were based on the greatest number of sensors identified for each physical quantity. 15 batches were selected for the second round based on the scores obtained in the first round.



Round I

Round II:

- In the second round, students should form batches of a maximum of 4 members, and each batch has to draw the block diagram of their IoT application and identify the components required.



Round II

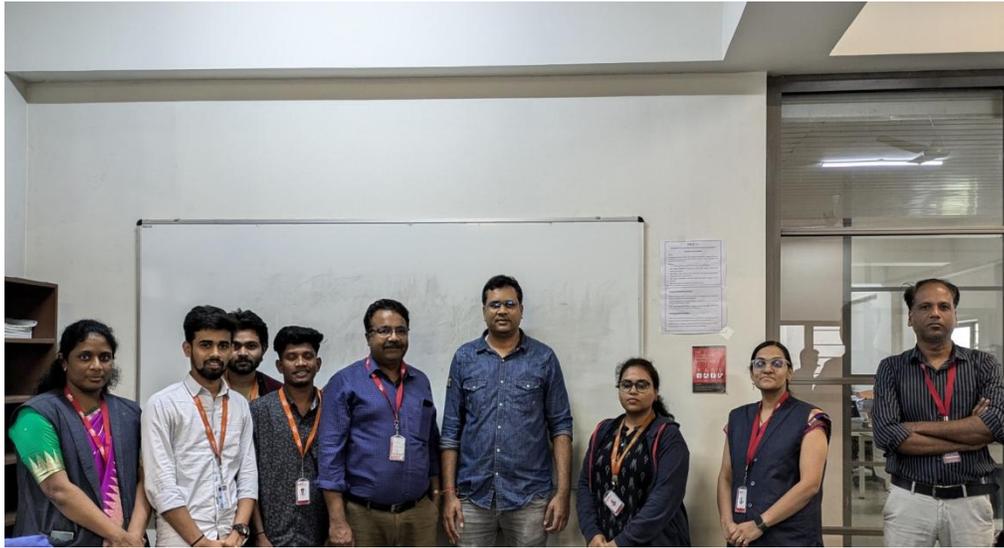
Round III:

- In the third and final round, students should develop a simple IoT model by using any sensors/electronic components/ equipment. Also, students should explain the prototype, its principle of working and applications to the judge. Based on their innovation, development, and questions answered, the Winner and Runner Up are selected.



WINNERS:

1st Place: Manjunath, Ajay Kumar T., Suraj M. and Sai Bindu of the 4th year EEE won the first prize



2nd Place: Md Maaz, Md Hashim, Inayath Ulla Khan and Abhinav of the 4th year EEE won the second prize



3rd Place: Ranganath S, Munishami, Akhilesh K T of 3rd year EEE and Jeevan Reddy of 2nd year EEE won the Second prize.



Valedictory function:

The event ended at 4:30 PM. Feedback about the performance of the students was shared by the judge, and certificates were distributed to the prize winners.



Outcome of the Event:

- Students can design and develop simple IoT prototypes and applications through this activity.
- Participants can design projects using canvas, do prototyping, work in a team and also be an entrepreneur.
- They can develop a project using a design canvas before going into design, simulation and modelling.