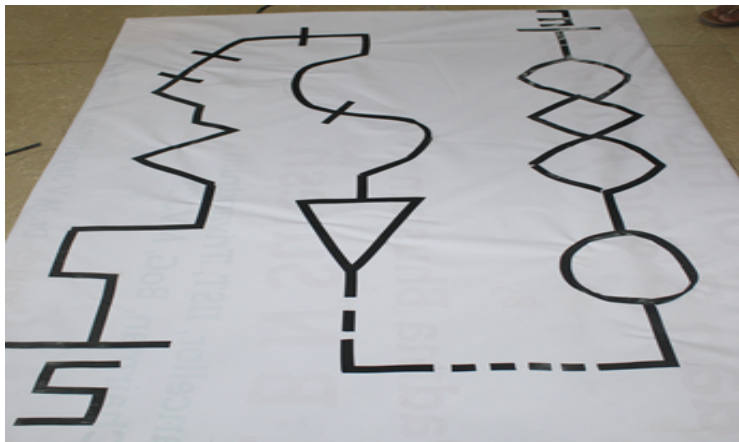


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REPORT ON ROBOTIC DESIGN CHALLENGE COMPETITION

Department of Electronics and Communication Engineering organized a **club activity** on “**ROBOTIC DESIGN CHALLENGE**” *under CoE in Robotics and Industrial Automation* on **27.01.2024**. In this competition, participating students across various streams had to exhibit their bots designed from the scratch. The event aimed to showcase the engineering and programming skills of participants in designing autonomous robots capable of following a predefined line on a track. This event was conducted and coordinated by Mr. L.David William Raj (AP/ECE), Dr. Utsab Banerjee(AP/ECE) and Mr. Subhradip Mukherjee (AP/ECE). 29 students from ECE and various other branches, including students of 1st year, 2nd year and 3rd year students participated in this club activity.

The track featured a combination of straight paths, sharp turns, and intersections, providing a comprehensive test of the line follower robots capabilities. The complexity of the track required participants to employ advanced algorithms and sensors for successful navigation.



Line Follower Track

The program was started on 27th January 2024 at 12.30 PM. The chief guest for the event was Shri Anil T. Chacko, Manager, Capgemini.

The competition started following the explanation of the rules and regulations to the participants by the ROBOLAB members.

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Chief guest, Shri Anil T Chacko welcomed by Dr. S Sajithra Varun, HoD, Department of ECE



Participants being briefed about the rules and regulations

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A total of 7 teams and 29 participants competed in the event with their wireless bots. For the students, this was an opportunity to apply their technical knowledge in practical situations, and thereby even learn soft skills like teamwork, perseverance and sportsmanship.



Participants, along with the Chief guest; HoD, Department of ECE, ROBOLAB Coordinators and members

Outcomes:

1. By virtue of this competition, the students gained hands-on experience in the development of line follower Robots.
2. The students gained sufficient idea regarding how to fine-tune the designs, in terms of compactness, and accuracy.

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The Winners of the event, along with the Chief guest Shri Anil T Chacko, and the ROBOLAB Coordinators

Winners

1. Siddaling Nagavimath - 1IMJ22EC133
2. Yeruva Amarnath Reddy - 1MJ22EC168
3. Ashwin Joseph Chacko - 1MJ22IO002
4. Sujal Raju Jadhav - 1MJ22IO021
5. Syed Hashim Bilal - 1MJ22IO022

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The Runners of the event, along with the Chief guest Shri Anil T Chacko, and the ROBOLAB Coordinators

Runners:

1. V Kavinisha - 1MJ22EC155
2. Yahmika P - 1MJ22EC167
3. Saranya M - 1MJ22IO019
4. Soumya N - 1MJ22EC141
5. Usha C E - 1MJ22EC153