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REPORT

ON

ROBO SOCCER COMPETITION

Department of Electronics and Communication Engineering organized a **Club activity 'ROBO SOCCER COMPETITION',** *under CoE in Robotics and Industrial Automation*. In this competition, students had to battle it out and prove their endurance in a nail-biting game of Robo Soccer, using their bots designed by them, from scratch. This was conducted and coordinated by Dr. Soumya Sundar Pattanayak (AP/ECE) and Mr. L. David William Raj (AP/ECE). 40 students in 8 teams from ECE 2nd, 3rd and 4th Year participated.

The programme began on 26th December 2022, at 9.00 am. The external judge was Mr. Gowrish Banavathi Viswanath, Specialist at Robert Bosch Engineering and Business Solutions Private Limited. Dr. I. Hameem Shanavas, HOD-ECE, MVJCE was also on the judging panel.

The opening remarks for the event were given by Mr. Gowrish Banavathi Viswanath. He gave a glimpse of the Robotics related activities going on, currently, and the various R&D sections. The inaugural lecture concluded by 9.00 am.

40 participants in 8 teams competed, with their wireless bots. Every one of these bots put up a tough challenge, refusing to go down without a fight. This was an excellent opportunity

for the students to apply their technical knowledge in practical situations, and thereby learn even soft skills like teamwork, perseverence and sportsmanship.

Two groups were formed, with 4 teams in each group. Each group played 6 group matches. After 12 group matches, four teams were selected for the semi-final, based on their scores. The semi-final consisted of four rounds, with each subsequent round getting progressively more difficult than the previous one.

Winners with the Principal, MVJCE

Runner-up with the Principal, MVJCE

Outcome:

1. The students put in a lot of thought to design a robot that is agile and dynamic, with a good traction and balance between the torque and speed. Many such variables were considered by students while designing a robot for Robo-Soccer.
2. They learnt to design robots which can be used for dynamic and agile applications.