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E-FORZA club activity on "Robo Kabaddi/Soccer Competition" under Robotics and Industrial Automation Laboratory

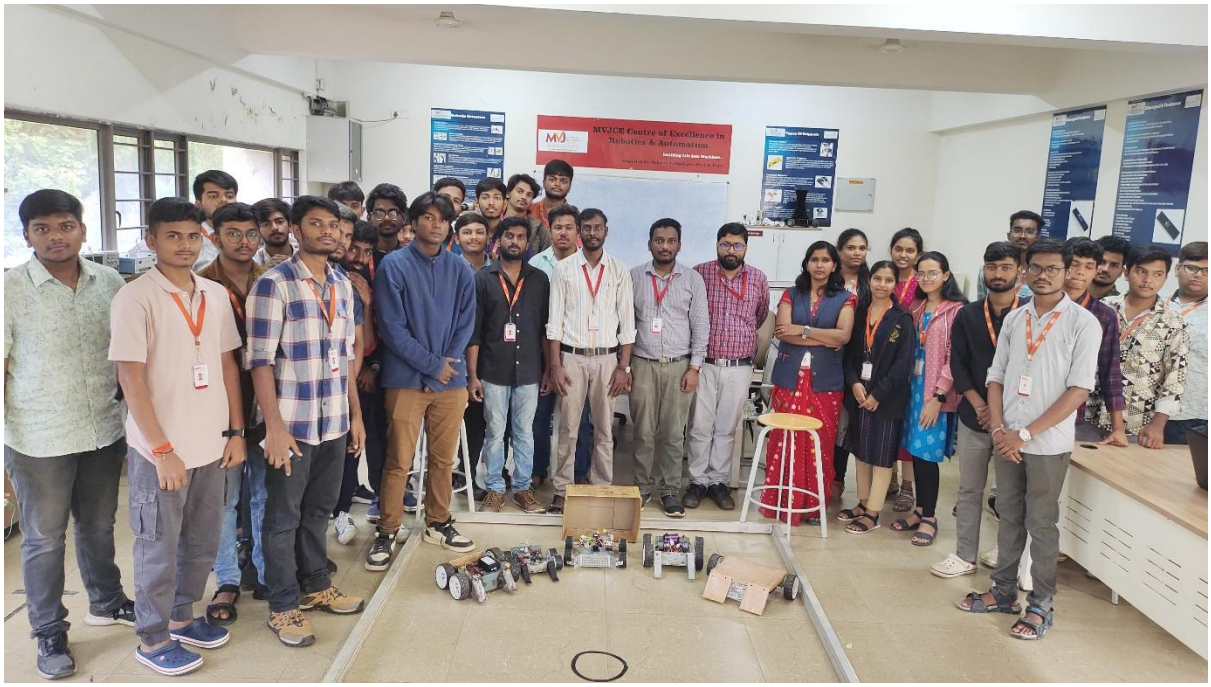
REPORT

ON

E-FORZA Club Activity

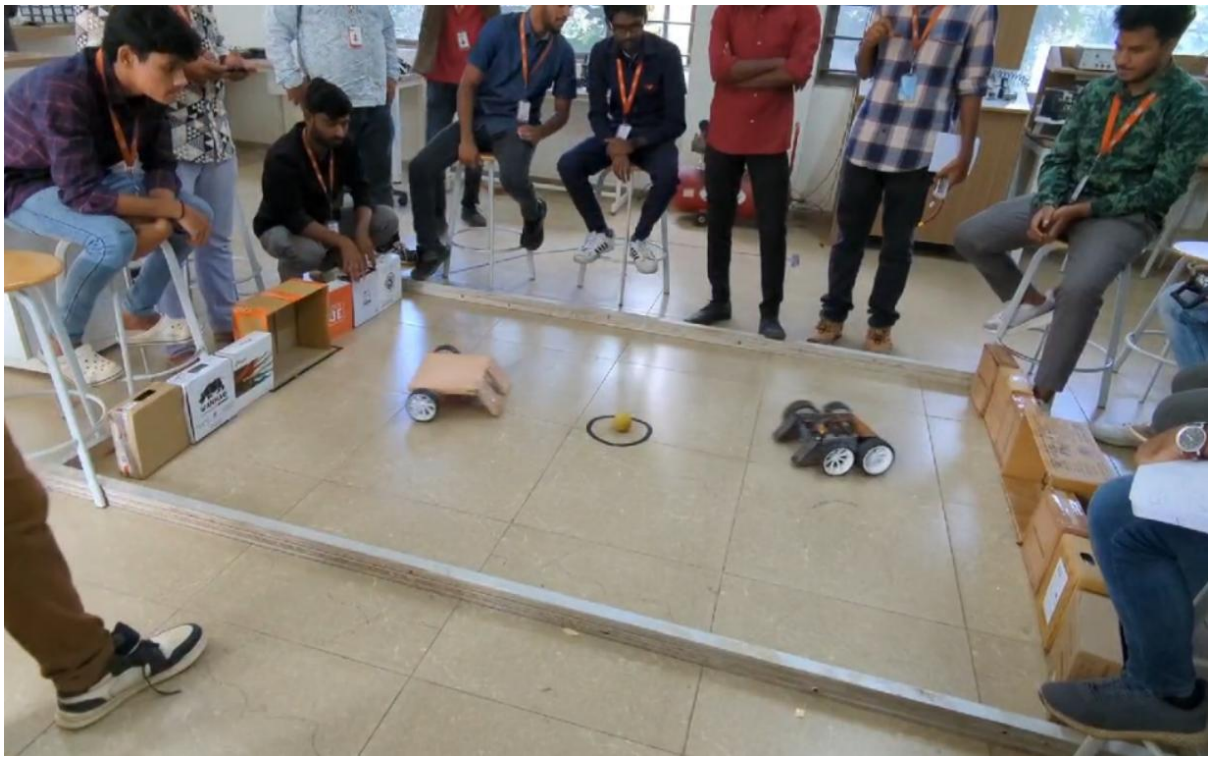
Department of Electronics and Communication Engineering organized ***E-FORZA club activity on "Robo Kabaddi/Soccer Competition" under Robotics and Industrial Automation Laboratory***. In this competition, students had to battle it out and prove their endurance in a nail-biting game of robo soccer/Kabaddi using their bots designed from scratch. This was conducted and coordinated by Mr. L. David William Raj (AP/ECE) and Dr. Subhradip Mukherjee (AP/ECE). 35 students from Various departments 2nd and 3rd Year participated in this event. The program was started at 9.30 AM on 5th July 2024.

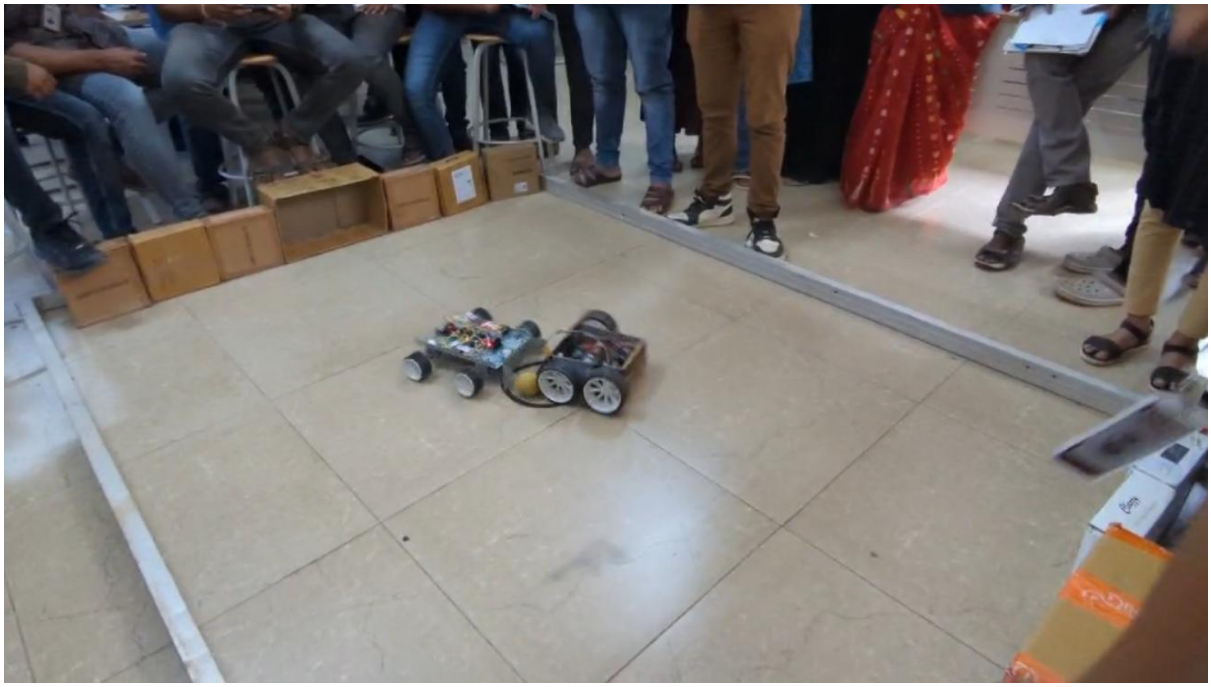
The chief guest for the program was Mr. Bejoy John, Senior Director of Data & Analytics at GE Aerospace, Bengaluru, Karnataka, India. He was welcomed by Dr. Sajithra Varun S, HOD-ECE, MVJCE.



Robo Kabaddi/Soccer competition organized by Robo Lab on 05.07.2024

A total of 35 participants competed competed un the event with their wireless bots. All of the participating bots provided tough competition, refusing to go down without a fight. For the students, this was an opportunity to apply their technical knowledge in practical situations, and thereby even learn soft skills like teamwork, perseverence and sportsmanship.

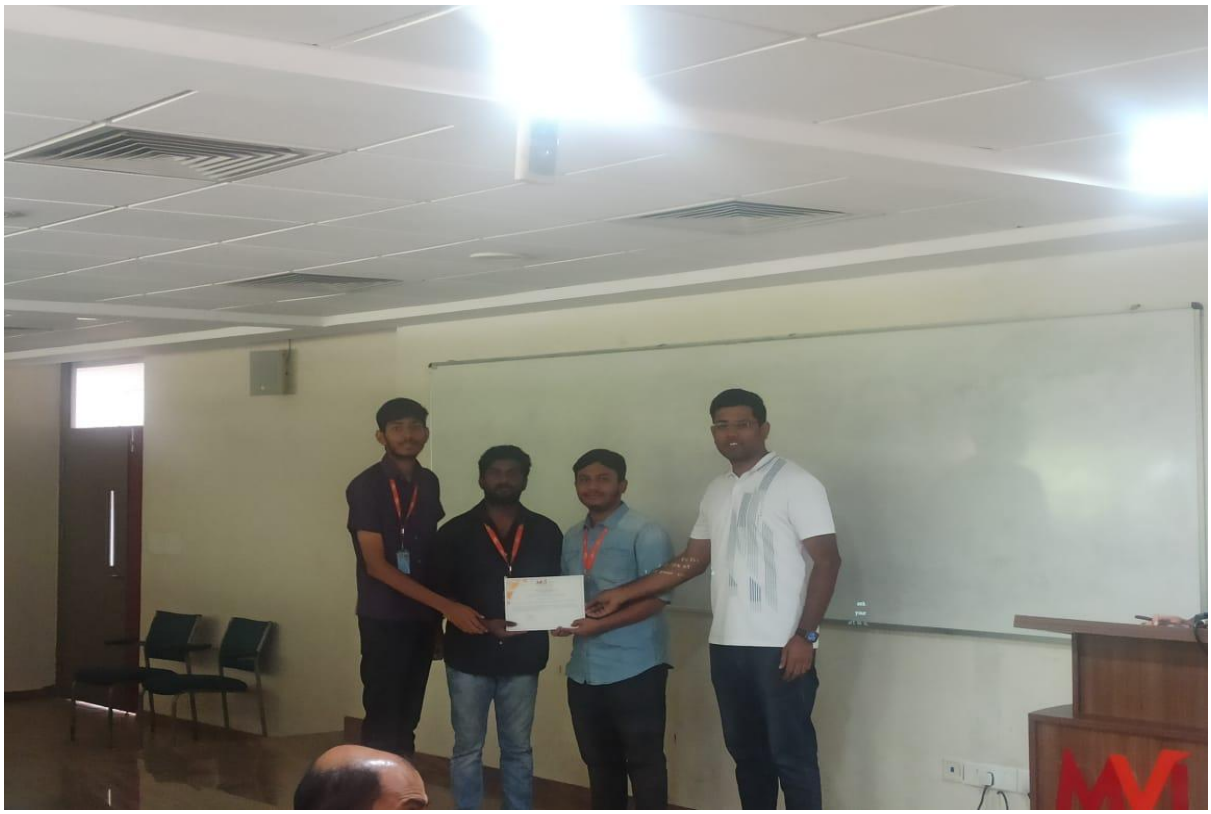




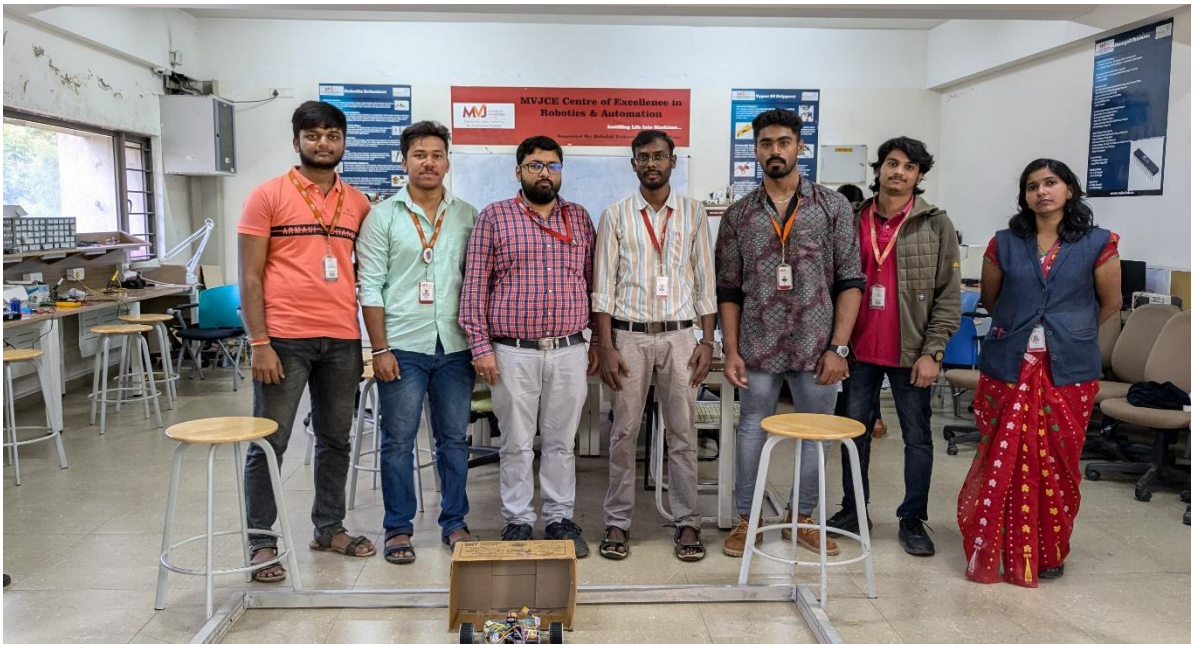
Participants are running their bots in the competition

Two groups (Gr-1 and Gr-2) were formed, and each group contains an equal number of teams. Every group played 2 group matches. After 4 group matches, the three teams were selected for semi-final based on their score. The semi-final round consisted of four rounds, with each

subsequent round getting progressively more difficult than the previous, as only the best bots remained.



Winner Team of the Robo Kabaddi/Soccer competition getting certificate from chief guest



Runners-up Team of the Robo Kabaddi/Soccer competition

Winner Team Members	Runner Team Members
1. ASHWIN JOSEPH (1MJ22IO002)	1.SAICHARITH (1MJ21EC116)
2. AMARNATH REDDY (1MJ22EC168)	2. VIKAS P C (1MJ21EC163)
3. HEMANTH J N (1MJ22AS011)	3. VISHAL N (1MJ21EC164)
4. ADARSH G (1MJ22IO001)	4. VISHWAS K (1MJ21EC165)

Outcomes:

1. The students put in lot of thought to design a robot that is agile, dynamic with a good traction and a balance between the torque and speed. Many such variables are considered by students while designing a robot for Robo-Soccer.
2. Totally 35 students learnt to design robot which can be used for dynamic and agile applications.