

ROBO SOCCER

ABSTRACT: - Soccer is undoubtedly a challenging game, but are the robots prepared to face this or better yet, take it to the next level Sounds futuristic. ROBO SOCCER is where you build a robot, capable enough to play soccer. Success lies in the hands of the deserving. Show case your skills to merge the realms of robotics and human in the game of football.

SPECIFICATIONS OF ROBOT: -

1. The Maximum dimensions of the robot is 25cm x 25cm x 25cm (l*b*h).
2. Robots can be wired, wireless, or autonomous. In case of wired robots the wire should remain slack throughout the round.
3. Power supply to the robots should not exceed 12V at any two points.
4. There is no weight limits for robots.
5. Tolerance of 5% on dimensions and power supply will be allowed.

ROUNDS:-

There are two rounds one is qualifying round and the other is the final round.

JUDGING CRITERIA:-

1. Each team should bring two robots, One plays the role of goal-keeper and another as striker.(2 Vs 2).
2. Standard table tennis balls are used.

3. Robots will be placed at the required position by the coordinators.
4. The robots have to score the goal in the opposite as it is done in the Soccer.
5. Time limit for the qualification will be decided on the day of the event.
6. The penalty will be announced on the day of the event.

RULES AND REGULATION:-

1. Team can consist of a maximum of 4 members.
2. Members of different institutions can form a team.
3. Only 2 members of a team are allowed to stay around the arena (for controlling and assisting) and a team is allowed to play with one robot only.
4. Any kind of damage to the arena will not be entertained, and if done, the robot will be immediately disqualified.
5. All the required accessories have to be brought by the participants.
6. Lending or making the robot to participate in same event with different team will not be entertained
7. No technical assistance will be provided by the coordinators during the time of the event.
8. No practice runs will be provided.
9. Use of ready made robots is not allowed which includes ready made basement, body etc.
10. Human interference (e.g. touching the robot) during the game will be charged.

11. If a participant does not comply with the rules of the event, the robot will be disqualified from the event.
12. Misbehaviour ,quarrelling of any kind will not be tolerated and the team will be subjected to disqualification from ROBO RALLY.
13. The robot should not harm the field. Harming the arena may lead to disqualification.
14. No external power supply will be provided at the time of event.
15. A robot with the base of a toy car and its gear box as a machine part will be disqualified. Also lego kits are strictly prohibited.
16. Participants with wired robots are strictly advised to get wires of length 3m or more.
17. In case of wired robots the wired should be slacked though out the game.
18. Readymade PCB's are not allowed.
19. ONLY UNDERGRADUATES are allowed to participate in the event.
20. If any of the robot specifications do not meet the requirements for the ROBO SOCCER the participants are given time to set it and if unable to fix it within given time team will be disqualified and money will not be returned.

*In case of any discrepancies, the decision of the coordinator and the event head shall be the final and no further arguments shall be entertained.