

ROBO RALLY

ABSTRACT: - ROBO RALLY is to design and test your robot's speed and flexibility in an arena where there are many zig zag paths.

SPECIFICATIONS OF ROBOT: -

1. Dimensions of the robot should not exceed 27cm x 27cm x 30cm (length x breadth x height).
2. Robot should not damage any part of the arena. If the robot damages any part of the arena, it will be disqualified.
3. The chassis should not be ready made, if found so, the robot will be disqualified.
4. The potential difference between any two points should not exceed a limit of 12V. A tolerance of 5% is allowed.
5. If the robot suddenly stops in the arena due to any technical problem, you will be allowed to modify only twice for a round. Timer will not be stopped during this period.
6. External power supply will not be provided and the battery should be on top of the bot.
7. Minimum track width of the robot should be 20cm.

ROUNDS:-

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

JUDGING CRITERIA:-

1. The winner of the round is judged by a circuit race of 1 lap in final round.
2. If the robot touches any barricade once, a penalty of 5 seconds will be levied.
3. Total time taken by participant to reach the finish line with penalties will be counted.
4. Arena will be explained only once to the participant before the race commences.
5. Width of the track varies from 30cm to 32cm.
6. The robot which finishes the path with least penalties and in less time will be declared winner.

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 RALLY 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.