

Robo Race

Robo Race is a simple and entry level Robotics competition where couple of Robots would be competing with each other in terms of speed and accurate control.

Name of Event: RoboRace

Robots per Event: Knock Out

Length of Event: Game Play

Robot Weight Range: 2 kg

Robot Dimensions: 30 cms by 30 cms

Arena Specifications: Actual

Robot Control: remote control

Engineering Principles: Computer Science, sensor integration, mechanical engineering, fuzzy logic

Event Summary: Two bots race against each other , the winner gets on to other round , the one that goes on till the end wins.

OBJECTIVE

There will be a race between two manually controlled robots. The robots should be controlled via remote control. Each team gets only one chance and the team completing first wins the race.

SPECIFICATIONS

1. The path may not be even.
2. Maximum turn of 180 degree will be present.
3. The remote control can be wired or wireless.
4. The arena may vary from Zonal Center to Center.
5. Only two robots will race at a time.

RULES AND GUIDELINES

1. Only one bot per team is allowed.

2. Max no of people per team is 5.
3. robots must be manual. Both wired and wireless remotes are allowed.
4. Onboard power supply should be present and it should not exceed 15V between any two points.
5. There is no time limit for the completion of the race.
6. The robot which wanders off the arena shall be disqualified.

JUDGING CRITERIA

the robot which completes the race first wins.