

ROBO-RACE

(Drive it like you stole it)

Calling all the speed racing fanatics out there. Put your robots to the ultimate speed and control test. This event gives you the opportunity to test your machine and to vanquish all other opponents. And in the end only fastest and snakiest machines will survive.

TASK

Design and built a manually controlled wired or wireless robot which is capable of completing race successfully in minimum time.

SPECIFICATION

1. The dimension of robot should not exceed 25x25x20 cm³ (L*B*H), however a tolerance of 5% can be considered in dimension.
2. The potential difference between any two points on robot must not exceed 24 Volts (no current limit).
3. Both wired & wireless robots are allowed.
4. The bots can have either onboard or off board batteries or AC adaptors.

ELIGIBILITY

All regular students with a valid identity card of their respective educational institutes are eligible to participate in the event.

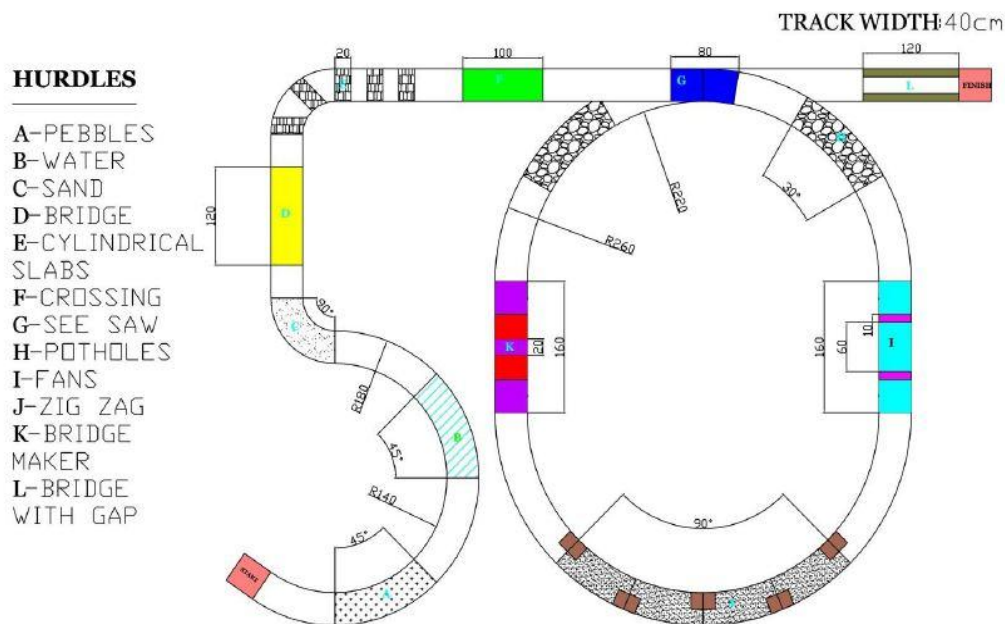
RULES

1. If your bot goes off track by any reason, it has to restart from previous hurdle.
2. Only 3 restart will be given to each robot.
3. Restart from any hurdle will cause 30 sec penalty.
4. Omitting any hurdle will cause 3 min penalty.
5. There are plastic cones on the zig zag path pillars, displacement of which will cause 5 sec penalty.
6. Striking on blades of fan will cause 10 sec penalty.
7. Striking on arm of crossing will cause 10 sec penalty
8. You will only be given 3 chance to attempt any obstacle.
9. Max 7 min will be given to each bot to complete the track.

WINNING CRITERIA

Team which has taken least time to complete the track will be the winning team

BASIC TRACK DETAILS



GENERAL RULES

1. The team should not consist of more than 4 members.
2. Only AC power source will be provided during the race.
3. The given specification of the robot must be strictly followed or the team will be disqualified.
4. Use of LEGO kits is strictly prohibited and using this will lead to disqualification.
5. Terminals for charging the battery will not be provided in the college.
6. No practice run will be provided on the main arena.
7. Participants with wired robots are strictly advised to get wire of length 5 m or more and the wire should remain slack under all circumstances during the competition .
8. Decision of the event coordinator will be treated as final.
9. The structure of the robot should not be changed during the competition.
10. If your bot gets dismantled during race then you will be disqualified.
11. Arena may subject to change before the commencement of any round.

CONTACTS

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