ROBO-RACE

ABOUT

- Build a manually controlled robot which is capable of racing on a rough circuit along with its fellow bots.
- In the shortest period of time, it must be able to complete the track specified.

DETAILS

Date: 13th July 2018

Round 1: 10:00am to 02:00pm.

Date: 14th July 2018.

Round 2: 12:00pm to 03:00pm.

Location: GF-25.

Fees of Event: -

For IEI / ISTE Member: 30/- per head.

For Non-IEI / ISTE Member: 50/- per head.

RULES

- Team can have a maximum number of 4 members.
- Team members can be from different colleges.
- A team is allowed to play with only one robot.
- In case the robot moves out of the arena, the robot will be placed at the previous checkpoint.
- Touching the robot during the game will lead to negative points.
- In case of wired robot, the wire should remain slack throughout the race. It should not disturb the arena or the participants. If so then the team will be disqualified.
- Unfair game may lead to disqualification of the team.
- The robot should not damage the field. Damaging/harming the arena may lead to disqualification.
- Decision of the Event Organizers shall be treated as final.

- The game play consists of two rounds (a qualifying round and a final round)
- Prelims- The participating teams will drive their robot individually in a track for preliminary round.
- The time taken to complete the circuit will be taken as your qualifying time.
- Each time the bot touches either one of the boundary, there will be a penalty of +2 seconds.
- The other penalties and scoring points will be informed on the spot.
- Finals- Based on the qualifying time of each team, top 6 teams will make to the finals.
- There is no penalty for the final round.
- The three teams that finish the race quickly will be declared as winners.
- Rules are subject to change by event coordinator.

BOT SPECIFICATIONS:

- The ROBOT can have a maximum dimension of 250 x 250 x 200(l x b x h) (all in mm) with a tolerance of 5%.
- The maximum potential difference between any two points should be 12 volts DC.
- Robot must have power supply on board. There will be no provision of external power supply.
- The maximum weight is 5kg.
- The robot can be controlled by wired/wireless mechanisms.
- It should be controlled by a single person at a time.
- If the robot is controlled by wireless mechanisms, the robot must have a frequency remote control circuit which can avoid frequency interference with other teams.
- It must have only a single transmitting device.

FIELD SPECIFICATIONS:

- The track length and the number of laps will be revealed on the spot.

CONTACTS

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