

# **ROBORACE**

## **Task:**

**Design and construct a remote controlled robot (wired or wireless) capable of completing the track in least time.**

## **Robot specification**

- The robot dimensions should not exceed 30cm\*30cm\*30cm (l\*b\*h) at any point of the match.
- The robot can be powered on board or off board
- The potential difference between any two electrical points on robot must not exceed more than 24volts throughout the run.
- For wireless communication participants must have at least 6 meters of radio range, it is recommended to keep dual frequencies for communication
- The coordinators will not be responsible for any kind of electromagnetic interference in wireless communication
- The robots should be constructed or made by the team; use of readymade or Lego kits are not allowed. Components used may be readymade.
- Pulling of robot with connected wires on track will lead to disqualification.
- The robot should not be disassembled until the results are declared

## **GENERAL RULES**

- A team may comprise maximum of 3 members. A team may comprise members from different colleges
- It is mandatory to present your college id card at the registration desk while registering to participate
- An individual cannot be a member of more than one team. A robot cannot be shared by two or more team.
- Adopting unfair means will lead to disqualification
- The right spirit of participation is expected from every participant.
- Decisions of the judges/coordinators are final. Judges/Coordinators hold the right to change the rules and guidelines without prior notification.

## **GAMEPLAY**

- Three rounds of competition will be there; each stage comprising of a different track and winners will be declared for fastest track time.
- Each round robots with least time recorded will be eliminated and rest will be pushed to next round.
- If any bot is not able to complete a certain part of track; he may appeal for a time penalty and bot may be pushed to next round.
- Maximum of 5 min. will be given for each track to be completed. Robots unable to do so will not be considered for the round.
- The rounds are subjected to change during the competition; any changes will be mentioned by the coordinators.

## **COORDINATORS**

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