



ROBO RACE

ABOUT:

It's all about the robo to complete a track with hurdles and consisting of undulating terrain. Persistence wins you here!

TASKS:

To complete the entire track in the least possible time.

GENERAL RULES:

- Each team may consist of maximum 6 members.
- Students from different educational institutes can form a team (**OPEN** to all).
- There is no restriction to the number of teams participating from the same institute.
- No person can be in two teams for the same event.
- All teams must be present before the commencement of the event. Teams will be disqualified if they do not turn up during the slot allotted to them.
- There will be a qualifying round, quarter-final, semi-final and the FINALE!!
- During the round only two of the members will be allowed in the track to control and guide the bot. Teams are allowed to switch members.
- Time will not be given to candidates to prepare their bots inside the arena. Inactivity of bots for more than 60 secs will lead to deduction of score..
- LEGO kits or its spare parts or pre-made mechanical parts are not allowed.

The decisions of the coordinators are final and binding.



BOT SPECIFICATIONS:

- The dimension of the bot must not exceed 30cm x 30cm x 30cm (length x breadth x height). A 10% allowance will be given to the participants.
- The weight of the bot must not exceed 2.5 kg. A 10% allowance will be given to the participants.
- The external wired control used to control the machine manually is not included in this size constraint.
- If the machine uses an externally placed power supply, the dimensions of the power supply are not included in the size constraint. However, in case of an on-board power supply, the machine along with the power supply should follow the rule mentioned in clause 1 and clause 2.

POWER SUPPLY AND CONTROL MECHANISM:

- The machine can use an externally placed or on-board electric or non-electric power supply.
- In case of an electric power supply, the voltage at any point on the machine must be lower than or equal to 24V at any point of time during the game.
- The organizer will provide 230V, 50 Hz AC power supply. Any extension cords, adaptors or battery box etc. required will have to be arranged by participants themselves.