ROBORACE

Design and build manually controlled wired robot that is able to surpass obstacles & hurdles in its path and complete the track in given time.

Entry Fees: Rs 200/- per team

Participants per Team: 2-4

(STUDENTS FROM DIFFERENT EDUCATIONAL STUDENTS CAN FORM A TEAM)

Rules:

Arena specifications:

- The team with minimum time reaches to the next round.
- The next round would include a selected number of teams on the basis of their rankings decided in previous rounds.
- In case of any tie, a common task would be given on the spot to both the teams and winner would be decided on the basis of best timing in that task.

Round specifications:

- First two rounds will be League which are based on time consideration.
- Next round will be race between two bots in separate tracks.

Robot specifications:

- The robot should be a manually controlled car.
- The dimensions of the robot should not exceed 25cm x 25cm x 25cm (width length height) when ready for race
- No modifications will be allowed after the robot has cleared the first stage(till instructions are given)
- The weight of the robot should not exceed 3kgs.
- No lego kits or complete and ready-made car bases are allowed.
- Length of the wire must be sufficient long to cover the entire arena

(approx. 8m)

- Participants are allowed to modify the bots only after second round and that too after the instructions.

Controls:

- The machine has to be necessarily controlled by a wired remote control.
- The participants cannot make use of wireless controls.
- Battery voltage: Maximum allowed is 24V and 4A.
- Participants will be provided with 230V 50Hz AC supply.
- Participants cannot bring their own power supply units.

General rules:

- The objective of the game is to complete the task in least possible time with completing the given task.
- Jamming circuits,weapons or similar such mechanism which will cause harm to opponent robot or the arena in any case strictly not allowed.
- No trial will be allowed.
- Repetition robot will not be allowed.
- Time limit for elemination round is 3 mins.
- Surprise tasks may be introduced after elemination rounds.
- Team will be disqualified after 5 handtouch's.
- Judges reserve the right to disqualify any team indulging in any misbehavior.
- Any team that is not ready to time specified will be disqualified automatically.
- Judges decission will be final and binding on all.
- All the team should report before 9AM. (Registration would be automatically cancelled if the teams fail to report)
- Track will be displayed on website before 10 days of event.
- Above rules and regulations can be changed without any prior notice

and changes will be displayed on perception website.

Track subject to change.

Prize Worth:

1st Prize: Rs 8000/-

2nd Prize: Rs 4000/-

Event Heads :

Akash Shankarpale: 9579671654

Prashant Thorat: 9762866987

GIVEN TRACK MAY HAVE
MINOR CHANGES.

START

33-35 cm

ROAD-BLOCK FIELD

SEE-SAW

SHORT-CUT 1

STONES

GRASS

SLOPE

SHORT-CUT 2

SAND

SEE-SAW

BRIDGE

BRIDGE

BLOACKAGE AREA

FINISH