Robo Race

Description :

The way you enter, the way you proceed, the way you reveal your speed to others beings here at the enthralling event of "RoboRace". It provides you a track for the open your enthusiasm for the rush to win with your bot's . The fast speeds, tight turns, and exciting collisions in our hot wheels on track takes place.

It is the event where you to get to test the efficiency and power , skills of your droid/robot…. Organized by SASTRA SRC under the banner of "Tech. Fest 'THETA 2K16'"

Race your bots till the finish line and earn accolades.

Event details:

- ➢ **Round 1**
- ➢ **Round 2**
- ➢ **Final round**

Round 1:

➢ **Qualification on time basis.**

Round 2:

➢ **Elimination on perfection and time basis.**

Final round:

➢ **Track will be revealed on spot.**

CHALLENGE:-

"More speed, more power with minimum time and perfection"

Design a manually controlled ROBOT that has capacity to cover maximum distance in shortest possible time, challenging the hurdles and be one of the best opponents. Think your robot can overcome any obstacle-big or small in the least of time. If so get it on the track and let the game begin. And bear in mind that maximizing RPM does not make you winner but winners are those who have good presence of mind, sharpness and practice.

ROBOT SPECIFICATIONS:-

1) The maximum dimension of the robot can be 30cm x 30cm x30cm (l x b x h).

2) The robot may be wired or wireless.

3) The length of the wire (for wired bots) should be long enough to cover the whole track and wire should remain slack during the complete run.

4) Max weight must not exceed 3 kg.

5) The power supply will be allowed maximum up to 12 Volt.

6) Readymade toys parts are not allowed.

RULES AND REGULATIONS:-

1) This is racing event so fastest and most balanced robot will win.

2) Robot should be as per the given specifications.

3) Each team can have maximum **4** members. (Students from different institutes can form a team)

4) Each member of the team must contain the identity card of his/her respected institute.

5) The robot should not damage the arena.

6) The robot must not leave behind any of its parts during the run; else it will result in disqualification.

7) No more AC/DC power supply will be provided at the sight of play.

8) Unethical behaviour could lead to disqualification. Faculty-coordinators have all the rights to take final decision for any matter during the event.

9) Judge's decision will be considered final.

10) Certificates will be given to all the participants. ***Rules may subject to change.**

PHASES IN THE EVENT:-

1) The competition is based on time, performance and perfection trail system. There will a qualifying round for each team.

2) The top team from qualifying round makes it to the final round on basis of time trials.

3) Three hand touches are allowed with penalty seconds. For each hand touch, penalty time will be added further too overall time required by robot for completion of specified round.

4) If any of the robots starts off before start up call, the counter would be restarted and the machines will get a second chance.

5) Your robot must be ready when call is made for your team.

6) Machine must not contain any readymade kits, pneumatic & hydraulic systems, IC engines.

7) Decision about your robot will be taken by the organizers.

8) All about final round will be notified on the final day.

Contact:

VIJAYAMOORTHY K: +919943024215

SURIYARAJAN A: +917418814170

RAJ MOHAN P: +918681853267

Email: robolution2k16@gmail.com