Robo Race

Introduction

The robo cars line up as the crowd watches with excitement. With a signal, the race begins—each car speeding forward, weaving through twists and turns. Spectators cheer as the race unfolds, a thrilling display of speed, skill, and innovation. Every turn brings new challenges, and every second counts. In the end, it's not just about winning—it’s about pushing the limits of technology and creativity.

Theme

“Blazing Through the Track: Robo Race -Break the speed and the Tech show down.”

Flow of Events:

- Participants will receive a briefing on the event, rules, and point system.
- Participants will be shown the complete race track but will not be allowed to test their robots.
- Participants will have time to modify their robots accordingly.
- Finally, the race will be conducted one at a time. Scoring will follow the designated rating system, and the jury's decision will be final.

Rules and Regulations

1. Undergraduate college students from any Indian college, with knowledge of basic electronic components like motor and driving skill can participate.
2. A team must contain minimum 2 and maximum 4 members. One will be a driver and the rest will be for support.
3. Teams must have a proper documentation of Robo containing a brief description about parts and working.
4. Once fallen off the track, then can continue from the last checkpoint.
5. Robo should be made according to the rules and regulations otherwise it will lead to disqualification.
6. Make sure you keep your Robo secret otherwise if found copied will result in disqualification.
7. The Robot must not damage the arena.
8. Each team must be given a name as chosen by its members. Team names must not be connected in any way with the names of companies or registered trademarks or use expressions that incite violence or are discriminatory, obscene, or represent any form of defamation. Failure to comply will result in disqualification.
9. Unethical behaviour may lead to disqualification.
10. Administrator reserves the right in their sole discretion to disqualify any individual or maker it finds to be actually or presenting the appearance of tampering with the entry process or the operation of the event or to be acting in violation of these Official Rules or in a manner that is inappropriate, unsportsmanlike, not in the best interests of this Event, or a violation of any applicable law or regulation.

Who can participate?

This event is open to all.

Team Making/Registration

The Participants will form a team of minimum 2 and maximum 4 and register for the event. They also need to prepare a document about components used.

Scoring:

- Flag Points = 150
- 5 points will be deducted every time the player resets the robo on the track.
- 5 points will be deducted on skipping a hurdle.
- The participant is allowed to skip only 2 hurdles.
- If the participant skips more than 2 hurdles then 15 points will be deducted for skipping each hurdle.
- Time limit will be 15 mins.
- If the robo finishes the race before 10 mins, 5 flag points will be awarded.
- If the robo finishes the race between 10 to 12 mins, 3 flag points will be awarded.
- If the robo finishes the race between 12 to 15 mins, 2 flag points will be awarded.
- Total score will be calculated after deducting and awarding flag points in the total flag points.

Robo Specifications:

1. The dimensions of the robot can be between 25cm x 20cm x 15cm (LxBxH) and 30cm x 25cm x20cm (LxBxH).
2. The Robo should be wireless.
3. Maximum weight must not exceed 3 kg.
4. Participants should be able to briefly describe the components used and its working.
5. If cheating or a ready-made kit is found, such a machine will be disqualified.

Prize Distribution:

Prize will be awarded only to the top 3 participants.

Event Details:

- **Date:** 21/03/25
- **Time:**
- **Mode:** Offline
- **Venue:** Innovation and Incubation Cell.

How to Register:

1. Visit: : [https://docs.google.com/forms/d/e/1FAIpQLSeXbSHA-NGfjkJWdRJbxIa8yIZKKAg-0aG-z1Rjj78vyn847A/viewform?usp=header].
2. Fill out the registration form.
3. Registration closes on :

Event Heads:

1. Ishan Visen: (8957817407)
2. Mayank Pandey: (8573938998)

Event Coordinators:

1. Himanshu Yadav: (9554248389)
2. Anmol Varshney: 8864957416)
3. Dhruv Tandon: (7457054936)
4. Aditi Sachan: (6392317997)