



SCHOOL OF
TECHNOLOGY MANAGEMENT &
ENGINEERING

13.07.2025

ROBO

SMART CARS, SMARTER
RACERS

WAITING AREA NEAR A
BLOCK

10:30AM-4:30PM



RS 17,500
PRIZE
POOL

W
RACE

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EVENT DETAILS

Robo Race is an electrifying competition that celebrates innovation, engineering excellence, and programming skills. Teams from various schools and colleges will pit their self-built robots against each other on challenging race tracks filled with obstacles and sharp turns.

Eligibility

- Open for all college and school students.

Mode of Conduct

- Offline

Team Size (Min-Max)

- Minimum members - 2
- Maximum members - 4

Registration Fees

- ₹150 per team

Event Schedule

- **Date:** 13/09/2025
- **Timing:** 10:30 PM – 04:30 PM
- **Venue:** Computer Lab, F Block

Rounds

Round 1:

1. 20 - 25 teams will compete in the preliminary round.
2. The top 8 teams, based on performance, will qualify for the final round.

Round 2:

1. The 8 qualified teams will compete in the final race.
2. Positions for 1st, 2nd, and 3rd place will be awarded based on final round performance.



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Rules & Regulations

1. The robot must fit within **30 cm (length) × 30 cm (width) × 30 cm (height)** at all times.
2. Maximum allowable weight is **4 kg** (with a tolerance of up to 5%).
3. Robots must be **manually controlled** using a **wireless remote-control system**.
4. Any claim of interference by another team's robot must be supported with valid proof/evidence and verified by an official referee.
5. **Ready-made robots** are strictly prohibited. Only self-built robots are allowed.
6. Robots must operate on **battery power** only. Charging during the race is prohibited; teams must carry sufficient spare batteries.

Judging Criteria

1. Rankings will be determined by the shortest total time taken to complete the track.
2. Total time = Actual track completion time + Penalty time (if applicable).
3. In the case of equal total times, the team with fewer penalties will be ranked higher.
4. If there is still a tie, both teams will advance to the next round or share the position, depending on the competition stage.



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Penalties

1. Skipping a hurdle: +30 seconds to total time.
2. Touching track boundaries: +10 seconds per instance.
 - Touching the robot by hand: +10 seconds per instance.

Prizes

- 1st Prize: ₹10000
- 2nd Prize: ₹5000
- 3rd Prize: ₹2500

Event Head (Contact)

1. Shaurya Sharma – 89880-00170
2. Pankaj Kumar – 80910-84133