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FOUNDATION FOR EDUCATION

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
PRESENTS

ROBO RACE



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Round 1: 1 vs 1 Matches



Round 2: Grand Final Battle



Registration Fees: ₹500/- per team

EXCITED TO
INNOVATION!

POOL
PRIZE
AWARDED!



REGISTER NOW!



BUILD. BATTLE. SCORE. WIN!



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About

ROBO RACE

Robo Race is an exciting robotics **competition** where teams build manually or remotely controlled robots to **compete in hockey-style matches**. The robots must maneuver a **puck**, score goals, and block opponents within a limited time.

The competition consists of **two rounds**:

- » **Round 1 (Elimination)** – 1 vs 1 matches
- » **Round 2 (Grand Final)** – All winners compete together

» ROUND 1 (ELIMINATION)

1 VS 1 MATCHES

» ROUND 2 (GRAND FINAL)

**ALL WINNERS
COMPETE TOGETHER**



ROBO RACE

Rules & Regulations

- ✓ Each team must have only one robot.
- ✓ The robot must fit within the **specified size and weight limits** (if provided by organizers).
- ✓ **Only one operator** per robot is allowed during the match.
- ✓ Robots must **not damage** the arena, puck, or opponent robots.
- ✓ **External interference or manual touching** of the robot during the match is strictly prohibited.
- ✓ Teams must follow fair play and sportsmanship **at all times**.

Game Format

» Round 1 (ELIMINATION)

- Matches will be conducted in a **1 vs 1** format.
- 🕒 **Match Duration: 5 minutes**
- 🏆 Winner advances to Round 2.

🏆 Round 2 (GRAND FINAL)

- 🕒 **All Round 1 winners** compete simultaneously.
- 🏆 **Match Duration: 10 minutes**
- The team with the highest number of goals wins.



ROBO RACE

Instructions

- ✓ Teams must report to the arena at least **15 minutes before** the match.
- ✓ **Perform all** necessary checks before entering the arena.
- ✓ Follow referee instructions strictly during the match.
- ✓ **Start and stop** the robot only when instructed.
- ✓ Any disputes must be reported to **judges immediately**.

Requirements

- ⚙ **Basic knowledge** of robotics, motors, and control systems.
- ⚙ **Proper team coordination** and communication.
- ⚙ **Ability** to control the robot **precisely under pressure**.
- ⚙ Fully charged batteries and backup components recommended.



ROBO RACE

Winning Criteria

Winners will be decided based on:

- ✓  Number of Goals Scored
- ✓  Speed and efficiency of gameplay
- ✓  Accuracy in puck control
- ✓  Defensive skills
- ✓  Robot stability and performance.

✗ Penalty Criteria

- ✗ Damaging opponent robot intentionally
- ✗ Using prohibited mechanisms or weapons
- ✗ Manual Interference during the match
- ✗ Crossing restricted zones (if defined)
- ✗ Delay in match start due to team negligence.

➤ Penalty Actions

- Warning
- Point deduction
- Temporary disqualification
- Full disqualification (in severe cases)

🔄 Draw Protocol

- 🕒 In case of a tie in any round, a rematch will be conducted.
- 🔄 Final decision by judges will be binding and final.

ALL THE BEST!

