



I.o.T. Applications Club J.U.

Presents:

Lord Of The Ring

Srijan 2025 Event

Introduction:

Welcome to the pinnacle of robotic competition, where innovation meets strategy in the exhilarating arena of Robo Sumo! With teams of up to 5 members each, our event celebrates the collaboration of engineering brilliance and tactical mind. Under the watchful eyes of the IoT Club members, participants navigate through wired and wireless categories, each offering its unique path to glory. Every round of the elimination matches promises electrifying showdowns, testing the limits of design and control. Join us as we witness the fusion of technology and sportsmanship in this spectacle.

GENERAL RULES:-

General Rules:

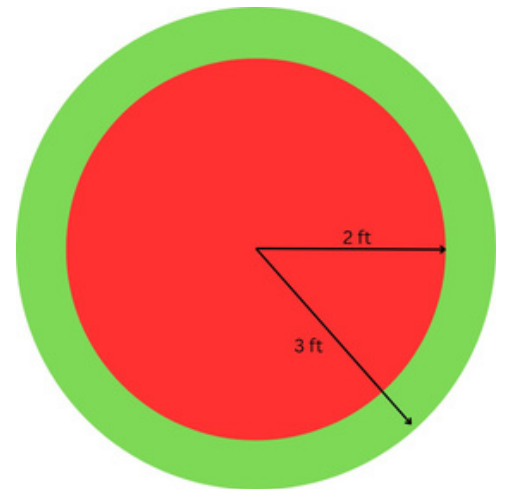
1. Teams, comprising up to 5 members, compete by making their own Remote Controlled Vehicle which can be wired or wireless. The bots must fall within defined parameters

Match officials exercise authority to ensure fairness and adherence to rules.

1. The competition is segregated into wired and wireless categories, each with distinct rewards.
2. Matches proceed through elimination rounds.
3. Three rounds, lasting a minute each, determine winners based on strategic moves.
4. Points are awarded for specific achievements: 2 for the green zone, 5 for complete displacement.
5. Victory requires securing 2 rounds.
6. Violations may result in disqualification.

Let the competition begin with professionalism and sportsmanship.

ARENA SPECIFICATIONS



The arena features a central red zone with a diameter of 4 feet, encircled by a special green zone, 1 feet in width. Beyond the green zone lies the elimination zone. Further specifications regarding slopes, obstacles, and additional details will be provided subsequently.

RULES -

Every match is like a knock-out match where losing means leaving.

Each match has three short rounds, only lasting one minute each.

Robots earn points: 2 points if they move their opponent to a special green zone, and 5 points if they push them completely out.

The robot with more points wins the round.

The robot that wins two rounds first wins the whole match.

If both robots leave the arena , the robot that leaves the arena later will be awarded points according to the section of the arena.

These rules make sure everyone knows what to expect and keeps things fair for all teams.

ROBOT SPECIFICATIONS:-

Robots must adhere to specific guidelines:

1. High-torque motors are permissible.
2. Maximum dimensions are set at 30cm × 30cm × 15cm.
3. Weight of the robot cannot exceed 2.5 kg.
4. Planetary motors and Mecanum wheels are prohibited.

5. Wheel diameter is capped at 6cm.
6. Wired bots are recommended to have extended wires.
7. Entering the arena incurs negative points.

Violations may lead to immediate team disqualification.

ADDITIONAL DETAILS

- External Help: A power supply of 220 Volt will be provided for robots under Wired Category only.
- Event Schedule: The detailed schedule of matches, breaks, and award ceremonies will be revealed at a later date.
- Judging Criteria: Robot performance and adherence to rules will be evaluated by club officials. Criteria may include task completion, movement precision, compliance with specifications, and strategic execution.
- Participant Communication: Three event leads will be available throughout the event, providing their phone numbers and email addresses for participant communication regarding updates and announcements.
- Dispute Resolution: Event leads and club officials will make final decisions in resolving disputes or conflicts during matches or regarding rule interpretations.

EVENT POC

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