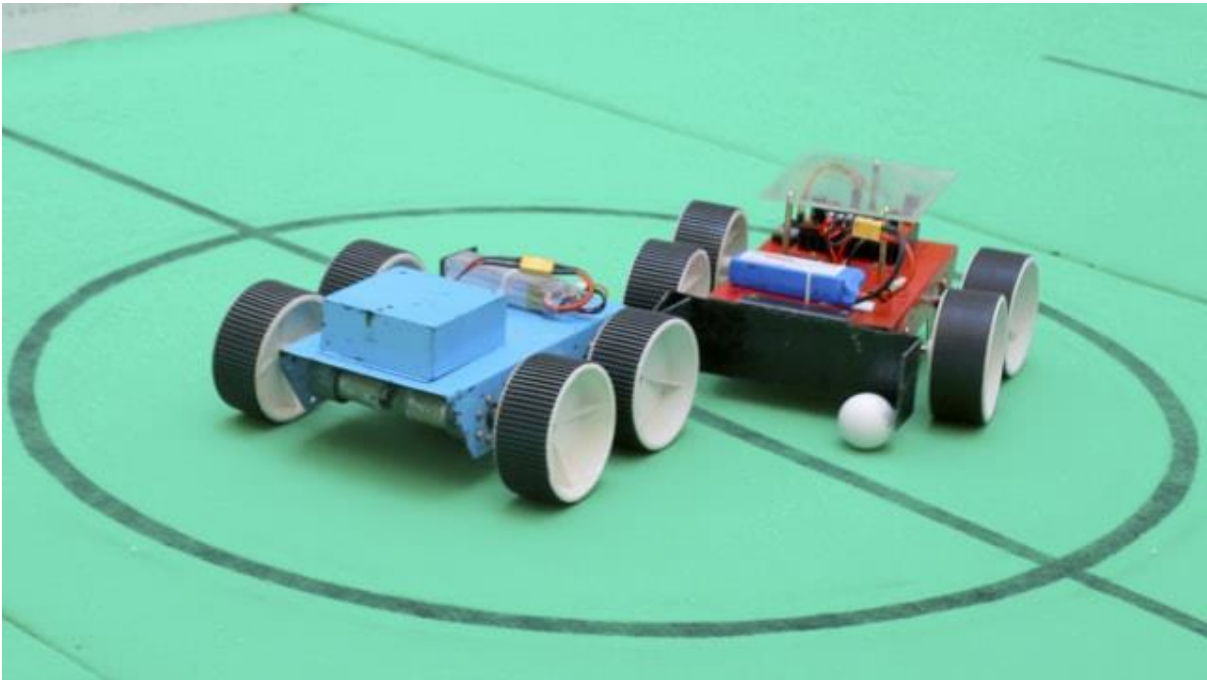


ROBO SOCCER



It's football season again, and engineers are the best at the game. We are pleased to introduce ROBO SOCCER, who has their own distinct style.

All you soccer enthusiasts out there inhale deeply—we're going to present you to a whole new level of soccer.

So, get ready to compete on the largest platform with your manually operated soccer bots if you're up for the challenge.

You should stop watching soccer on TV now. Get involved and enjoy yourself; it promises to be an entertaining experience! Have fun at the occasion!

Objective:

Giving robotics enthusiasts, engineers, and programmers a dynamic platform to showcase their inventiveness in designing and coding autonomous soccer-playing robots is the goal of the

Robo Soccer Event. Our goal is to give teams an enjoyable and competitive environment in which to demonstrate the strategic thinking, dexterity, and collaboration of their robotic

Innovations. The purpose of this event is to foster collaboration, innovation, and idea exchange within the robotics community. Ultimately, our goal is to increase public awareness of robo soccer as an engaging and innovative technical performance, encouraging the advancement of robotic capabilities in sports and other fields.

ROBOT SPECIFICATION

- Dimension of the Bot should not exceed 30*30*30 cm.
- The Bot may be wired or wireless or autonomous. The Wire (for Wired Bots) should remain slack during the complete run.
- Team can have maximum number of four members.
- Only one participant should control the robot no player can be exchanged in the middle of match.
- A robot can push or hit the ball. It cannot withhold or grab the ball.
- Human interference (e.g. touching the robot) during the game is not allowed.
- The Power Source should be less than 12V and 36W (DC Power Supply only). However, a tolerance of 5 % is acceptable.
- Bring own AC to DC Converters or own Batteries of any type (Li-ion, Lead Acid, Gel/Dry Cell, etc).
- Lego Kits or Readymade Toys are not allowed.
- Positions of balls and obstacles in the arena will be decided by the organizers on the day of event.

- Decision of the Judges and Event Organizers shall be treated as final and binding on all and cannot be contested. The event coordinator is the match referee. He/She takes all the decisions and participants must abide by it.

FIRST ROUND- ELIMINATION ROUND

- 5 balls are placed at specified locations on the arena.
- Time limit is 3 minutes.
- Participants can drive, push, or hit the ball into the instructed goal posts.
- Points = number of goals.
- If the ball is hit out of the arena, then it will be placed back.

SECOND ROUND-Final Round

- Different colour same size balls for different teams are placed in their half arena.

- The ball of one arena must be goaled into opposite arena goal post.

White colour ball is common to both teams placed in the centre.

- There will be a match of 2 minutes.

- Points = number of goals.

- Fouls will also be accounted to choose the winner. (Touching other team's ball is a foul). white ball should be

goaled after completion of their respective colour balls.

- Driving the ball intentionally towards the opponent leads to foul.

- Penalty shots will be provided in case of tie.

ARENA SPECIFICATION

- Dimensions of arena will be L*W*H: 3 m*2 m*0.2 m.
- Robot's weight should not exceed 5kg.
- Flat, non-reflective, and non-slippery surface to ensure fair traction for all robots.
- Clearly marked boundary lines along the perimeter of the field.
- A semi-circular area in front of each goal, with a radius of 3 meters.
- Adequate and evenly distributed lighting to ensure clear visibility for cameras and sensors on the robots.
- Walls around the perimeter to prevent robots from leaving the playing area.
- Designated areas for each team to place their robots when not in play.

PRIZE MONEY

First Prize	₹ 10,000/-
Second Prize	₹ 5,000/-

CONDITION

- 1) Prize Money is subjected to Total Number of Entries in the Event.
- 2) If 20+ Teams participate then only Second Prize will be given.
- 3) If there are less than 15 Teams, then only First Prize will be rewarded.

REREGISTRATION FEES

Entry Fees	300 INR for per Robot
Combo Offer (Robo Soccer and Robo Race or Line Follower)	700 INR for per Robot (If Team register their Bot in both Event)
Re-Registration Fees (Only for Robo Soccer)	150 INR per Robot Re-Registered

SCHEDULED TIME & DATE:

Date	Time
29-02-2024	2:00 p.m. to 4:00 p.m.
1-03-2024	2:00 p.m. to 4:00 p.m.

CONTACT US:

EVENT CORE

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EVENT HEAD

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