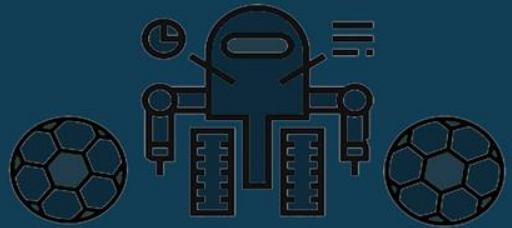


IIIT NAYA RAIPUR

TECHNOVATE

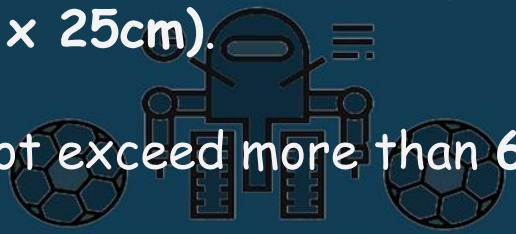
Robo Soccer

Introduction

TECHNOVATE

This event is a platform for participants to showcase their talent in Robotics field and also to bring alive the football spirit. The only thing required is to build a manually controlled bot, either wired or wireless which is capable of playing soccer on an arena specially designed for the robotic soccer match.

Model Specification



- The robot's dimension should not exceed by maximum **(25cm x 25cm x 25cm)**.
- Robot's weight should not exceed more than **6 kg**.
- If wired, length of wire should be long enough.
- Only **one** model be used throughout the event.
- Each team must have its own model. **Exchanging of models is strictly prohibited**.

Rules & Regulation

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- Each team can have maximum 4 members.
- The start zone for the robots is (500mm x 500mm).
- Each team's bot will get 1 minute for setup and testing.
- The game will start at the count of 3 given by referee.
- In case a team starts its robot before, the game will be restarted and a team making this mistake for more than 3 times will be disqualified.
- Ready-made Lego kits are not allowed. However, ready-made gear assemblies and development boards may be used.
- Grabbing the ball is not allowed. So bots should not have any kind of grabbing mechanisms.
- Any kind of intentional damage caused to opponent team's bot will be considered as foul.
- In case of any discrepancy, the final decision rests in the hands of coordinators.
- Changes will be highlighted on the website.
- Violation of any rule may disqualify the team.

Event Structure

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- The game will last for two halves of 4 minutes.
- A goal will be considered to be scored only if the ball has crossed the goal line completely. Ball will be placed at the centre of the arena at the starting of the match.
- After the first half, goals will be swapped.
- Each goal scored by a team by rolling the ball on the ground will fetch the team 1 point.
- In case of tie 3 minutes extra time will be given. The team to score first goal during the extra time will win the match.
- Each team can take 1 minute if any glitch comes once during a match.

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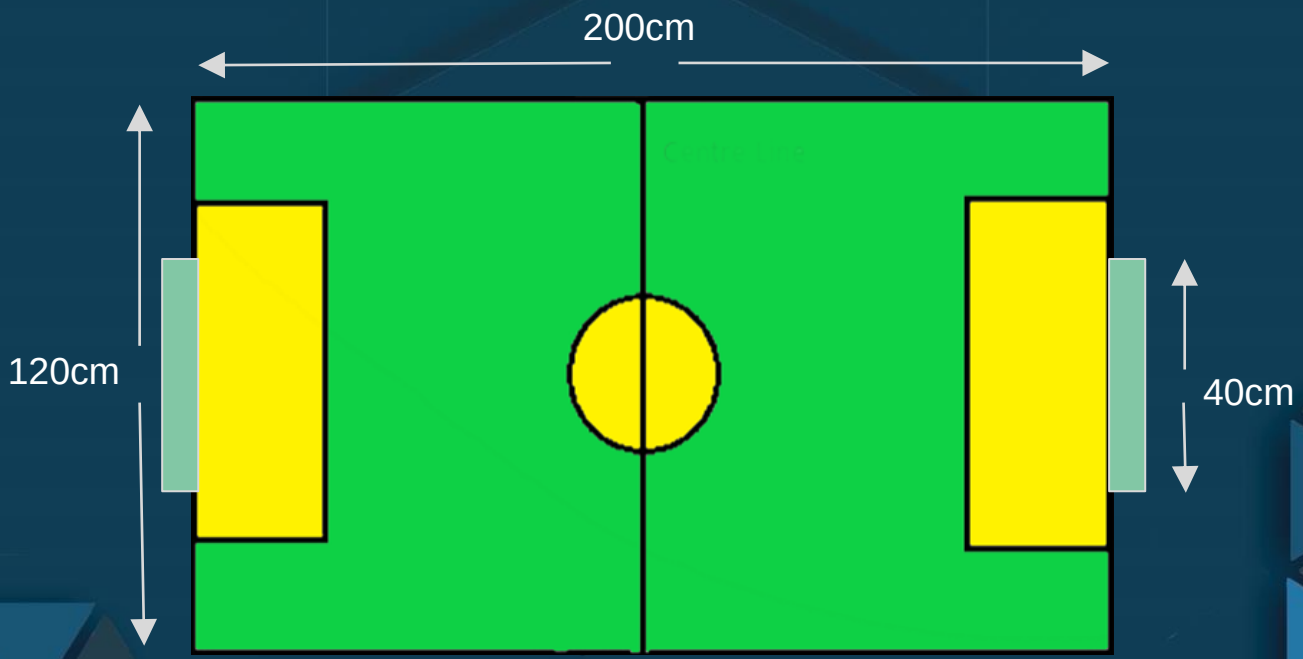
Resources

- Teams will be provided 220 volts 50 Hz AC supply.
- We strongly recommend the team to bring their own toolkits.

Eligibility

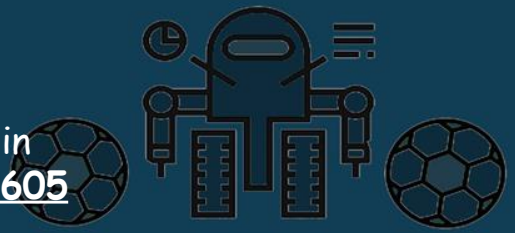
- Each team can have maximum 4 members.
- All team members with a valid identity card of their respective institutes are eligible to participate in the event.
- Students from different institute can also form a team.

Arena



For more details contact...

TECHNOVATE



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**COORDINATORS RESERVE ALL RIGHTS TO CHANGE ANY OR ALL OF THE ABOVE RULES. CHANGES WILL BE HIGHLIGHTED ON THE WEBSITE.*