

ROBO SOCCER

All those fans of *MESSI* and *RONALDO* out there, tired of brawling? Time to stop talking and start acting. Paint your faces, boot-up your bots, set them in the soccer field and scream *VISCA BARCA / HALA MADRID!!* *grabs popcorn*

- **The Robo Soccer is a team-based competition.**
- **You must create a robot that can play soccer/football/whatever you call it.**
- **Your team will compete against another team's robot.**
- **There must be no human intervention during the match.**

GENERAL RULES:

- A team can have a maximum number of 4 members.
- Team members can't be from different colleges.
- A team is allowed to play with only one robot.
- In case the robot moves out of the arena, the robot will be placed at the previous point.
- Touching the robot during the game will lead to negative points.
- In case of wired robot the wire should remain slack and lifted throughout the race. It should not disturb the arena or the participants. If so then the team will be disqualified.
- Unfair game may lead to disqualification of the team.
- The robot should not damage the field. Damaging/harming the arena may lead to disqualification
- Decision of the Event Organizers shall be treated as final and binding on all and cannot be contested.

EVENT RULES:

- The event will be timed and the side scoring the maximum goals within the playtime shall be declared the winner.
- The robot found pushing or damaging others shall be disqualified.

BOT SPECIFICATIONS:

- The robot can be up to 30x30x30 cm in dimension.
- Maximum weight: 5 kg
- Kicking devices are permitted.
- The robot can be controlled by wired/wireless mechanisms. (Preferably wireless)
- If the robot is controlled by wireless mechanisms, the robot must have a frequency remote control circuit which could avoid frequency interference with other teams.(Preferable to have 2 frequencies to avoid interference)
- The maximum potential difference between any two points should be 12 volts D.C.
- The maximum current rating of battery should be within 8A.
- The robot must have power supply on board
- Power supply for charging the battery will be provided.

FIELD SPECIFICATION:

- The floor of the arena is smooth with no obstacles.
- The walls of the goal are 20mm thick and are anchored securely to the surface.
- Cosco tennis ball will be used.

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