

ROBOTICS EVENTS

EVENT – SUB EVENT: ROBO-SOCCER

- **EVENT NAME** – Robo-Soccer
- **EVENT DESCRIPTION** –

OBJECTIVE:

- Construct one manually/wireless controlled robot that could play soccer against a two opponent.

TRACK SPECIFICATIONS:

ROBOT SPECIFICATIONS:

- Starting & Working Condition: 30cm*35cm*30cm (l*b*h)
- Max. Weight: 2kg
- Max. Voltage: 12V d.c
- **Robot Type: 1 Manual/wireless robot (as a goalkeeper and player) .**
- Voltage: 12V.

RULES:

1. The robot would be required to make a goal within a preset time limit.
2. Two teams will participate in the event simultaneously. Both the teams will start from their respective homes.
3. At the centre of the arena there will be a small plastic ball. The robots are required to make as many goals as possible in the opponent's goal post.
4. Robot is not allowed to hold the ball (either directly or if the ball is lying inside the periphery of the bot) for more than 5 seconds or else the team will have to face a penalty.
5. A complete match will be divided into two rounds of 3 minutes duration each. At the end of the match, the team having the maximum number of goals will be declared as the winner .In case of a tie, a third round will be conducted.
6. During the match, if there is any technical fault with any of the robots, the team can ask for a timeout of 3min. A team can go for a **MAXIMUM OF 1 TIMEOUTS**.

7. If robot causes damage to the arena in anyway, the team will be disqualified immediately.
8. Participants should ensure that their wires do not tangle with each other or anywhere with the arena.
9. In case the ball bounces off the arena, a timeout will be called by the coordinators.
10. In case of any dispute or controversy, the decision of the Coordinators would be considered as the final.
11. The rules are subjected to change. You will be informed accordingly.