



Felicific'15

Robo Soccer

Target audience: All semester students

Description: Playing football using robots.

Tagline: “BE VALIANT TO RUN A RISK FOR GOAL”

Rounds scheme:

Round 1: Qualifying round:

- In qualifying round, two participants from each side of the ground try to make goals in a specified time.
- Each goal has score of 10 points.
- Only one participant scored highest point is eligible for the next round.

Round 2: Final round:

- In the second round, robot has to climb on slope which is made by wood & has to put a ball into a hole made in wooden block in a specified time period.
- But in the second round, there is another option of making a goal in the goal post same as first round.

Rules:

- If robot damages opponents robot or an arena, then respective team will be disqualified.
- Ball can't be lifted off from ground.
- Judge's decision will be considered as final and binding to all.
- Readymade toy car/robot is not allowed.
- Decision to allow your robot will be taken by the organizers.
- Your robot must be ready when the call is made for your team.
- We are not going to provide any type of DC power source for charging purpose. You should have provision for that.
- Any type of misbehavior will lead your team to disqualification.
- Organizers keep all rights to change the rules at any time of an event.

Judging Criteria:

- In the first round, if any participant will make a goal in goal post, the team will get 10 points for each goal.
- In the second round, 20 points will be given on placing the ball into the hole made in the block.
- The ball will not be allowed to fall down from the wooden block placed inside the ground. If ball will fall down from the wooden block, then points will be deducted.
- The participant scoring more points in second round will be declared as a winner.

Arena:-

- The dimensions of ground are 180cm x300cm.
- The goal post dimension is 100cm (width) at both sides.

- The width of wooden slope is 40cm.
- Inclination of slope will be max 30 degree with respect to horizontal.

Machine specification:-

1. The maximum dimensions of the robot can be 30cm x45 cmx30 cm (l x b x h).
2. The robot may be wired or wireless.
3. The weight of robot is up to 5 kg.
4. Battery Supply max up to 24V DC.
5. Clamping should have max length up to 12 cm x 10 cm.
6. Readymade toy robot is not allowed.
7. In case of wireless robot, it must have dual frequency remote circuit to prevent interference with opponent's robot.

Team size:Maximum 5 participants per each team.

Registration fees per team: 250/- per team.

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