

**EVENT NAME: ROBO SOCCER(MECH)**

**DATE:1<sup>st</sup> MARCH 2019**

**TIME: 9:30 AM**

**RULE LIST:**

- 1) Team of 2-4 members belonging to the same college.
- 2) An individual cannot be a member of more than one team. A robot cannot be shared by two or more team.
- 3) The robot cannot be constructed out of readymade kits available in the market.
- 4) Wired, wireless control is allowed.
- 5) The arena will have wall boundaries.
- 6) The ball used in the game will be a plastic ball.
- 7) Each team will be given 2 minutes at the beginning of each half to make any changes or modifications to the bot. At the beginning, bot must hit the ball in 10 seconds. failed to do so, opponent will get to move his bot.
- 8) If the bot becomes immobile during the match, the team will first be given 60 seconds to fix it, without any loss of points. If the team fails to fix it in 60 seconds, another 60 seconds will be given at the cost of 1 point. If the team does not repair the bot, then it will be disqualified.
- 9) All bots must have their own power supply. Bots will be analysed by the referee before a match. He/she is given the right to reject the bot, if the specifications are not met.
- 10) The match will be paused in case of any entanglement of wires of the bots.
- 11) If ball is immobile for 30seconds, game will be reset and ball will be declared as common ball.
- 12) The ball cannot not be lifted in the air by the bot.
- 13) In case a team is disqualified, the other team wins by default.
- 14) The decisions taken by the referee will be final.

**Judging Criteria and Scoring:**

1. For each goal scored by a team, 4 points will be awarded.
2. If a foul is committed and a goal occurs, then the goal is not counted.
3. If the bot damages the arena, ball or the opponent bot(major damage), 2 points will be deducted.
4. 2 points will be deducted for the bot which is responsible for hitting the ball out of the arena.
5. The winner will be decided on the basis of points.
6. The structure of the robot should not be changed during the competition.

7. Pulling of robot with connected wires on arena will lead to disqualification.
8. The robot should not be disassembled until the results are declared.
9. The time measured by the organizers will be final.
10. Decision taken by the judge is final.

Robot specifications:

1. The robot dimensions should not exceed  $30\text{cm} \times 30\text{cm} \times 30\text{cm}$  (l**×**b**×**h).
2. Wire length must be greater than 11 feet.
3. Bots can be wired or wireless.
4. The weight of the bot should not exceed 5kg.
5. However, a tolerance of 5% is acceptable.
6. The robot can be powered on or off board.
7. The potential difference between any two electrical points on robot must not exceed more than 12volts throughout the run.
8. The coordinators will not be responsible for any kind of electromagnetic interference in wireless communication.