

# ROBOWARS

## Event Description

***"My goal is to deny yours"***

**- Anonymous**

With all the Waka-Waka and spectacular athletics happening this summer, it's time for us nerds to take over the battle fields. In our special way, we would like to continue all the hip-shaking and ball-passing in the freezing winds of Kurukshetra this January.

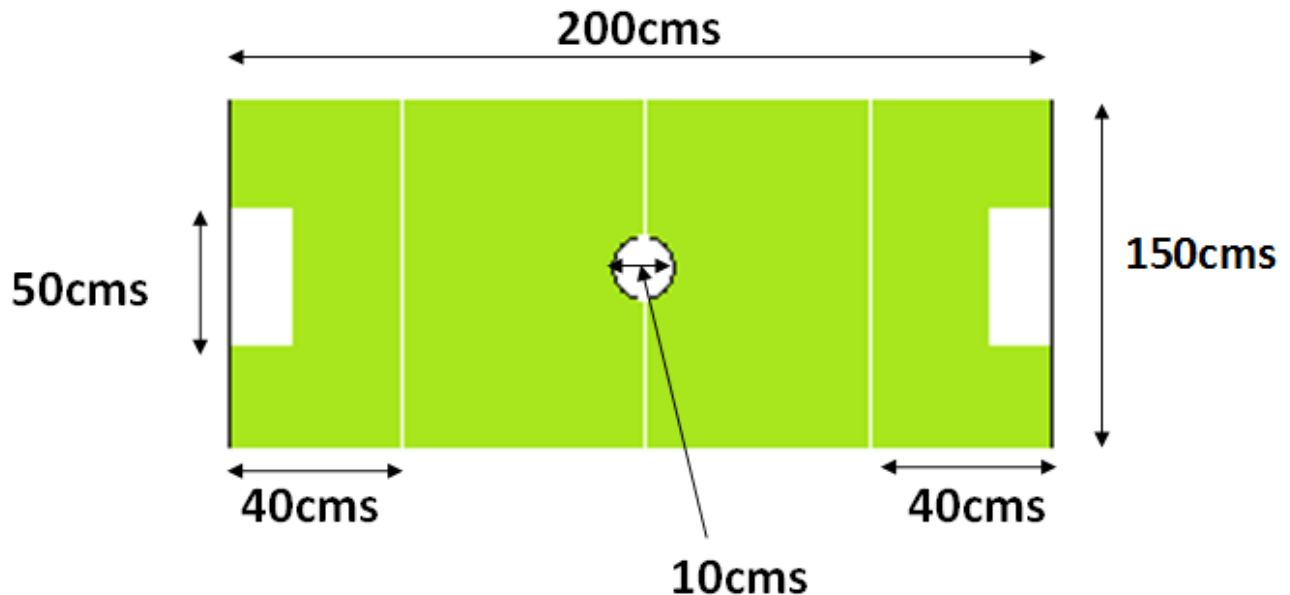
Enter - RoboWars.

This game is meant for Robo-maniacs who have to do design bots to play a game of soccer against other bots and succeed in shooting as many goals as possible.

Do you have the adrenalin in you?

After all, it's not the size of the dog in the fight, but the size of the fight in the dog that matters.

## The field of play



- The field of play is of size 200x150cms
- The goalpost is 50cms wide.
- There is a hole of 10cms diameter at the centre.
- There is a line beyond 40cms from the goalpost from where if goal is scored by the robot extra points will be awarded.

## The ball

- The ball is standard golf ball of 50gms.
- If the ball becomes defective during the course of a match:
  1. The match is stopped and resumed by replacing the ball at the place where the first one became defective.

## The no. of robots

- 2 robots will play a game.
- 4 members per team.

## **Robot Construction**

- The robot must fit inside a square of size 20cms and has a height of 15cms or less and must have a weight approx 1500gms.
- Robot wheels (or other surface that contact the playing surface) must be made of a material that does not harm the playing surface.
- A robot must not have in its construction anything that is dangerous to other robot if then the team will be directly disqualified.
- Robots can be wired or wireless. However wireless robot will be given extra points (which will be decided at the time of play). In case of wireless robots the team is strictly required to use dual frequency.
- The robots can drag or kick the ball. No other means are allowed (eg. Holding a ball).

## **Duration of a match**

- The duration of a match will be 7 minutes.
- If in case the robot gets problem during the match the human operator will be allowed to touch his robot (only once during the whole match) and the game will be resumed from the place and time where it was left. 5 points will be deducted for any further intervention.

## **Method of scoring**

- For every goal 10 points will be awarded.
- Extra 10 points will be awarded if goal is scored by the robot beyond 40cms from goalpost.
- 5 points will be deducted if the ball is dropped by the robot into the centre hole.
- It is a knockout game whoever will score high will be the winner of that particular game. If in case both robots score same or zero, the winner will be decided by penalty shootout from 40cms line.

## **Misconduct**

- A direct free kick is awarded to the opposite team if a robot commits any of the following offences:
  1. Makes substantial contact with opponent
  2. Holds opponent
  3. Holds the ball deliberately

A free kick is taken from where the offence occurred.

During free kick the robot that made any of the above foul will be defending the goal post.

**NOTE:** Team should register their team name, member's name, and their college name before 23<sup>rd</sup> January on email address [vijaytaya07@gmail.com](mailto:vijaytaya07@gmail.com).

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