

## Qualification

Participants from **any educational background** are eligible to take part in this segment. Students from **schools, colleges, universities, and madrasas** are all welcome to participate. There are **no specific academic or institutional restrictions** — passion for robotics and innovation is the only requirement.

## Match Rules & Regulations:

1. A match will be held between two teams.
2. Match Duration:  
  
Full time – 6 Minutes.  
  
Half time break – 1 Minute.
3. Team can only touch the bot during breaktime.
4. Lottery will be done On-field before the competition Physically. Winner of the lottery will choose the side.
5. Team must follow all the rules and regulations of the rulebook.

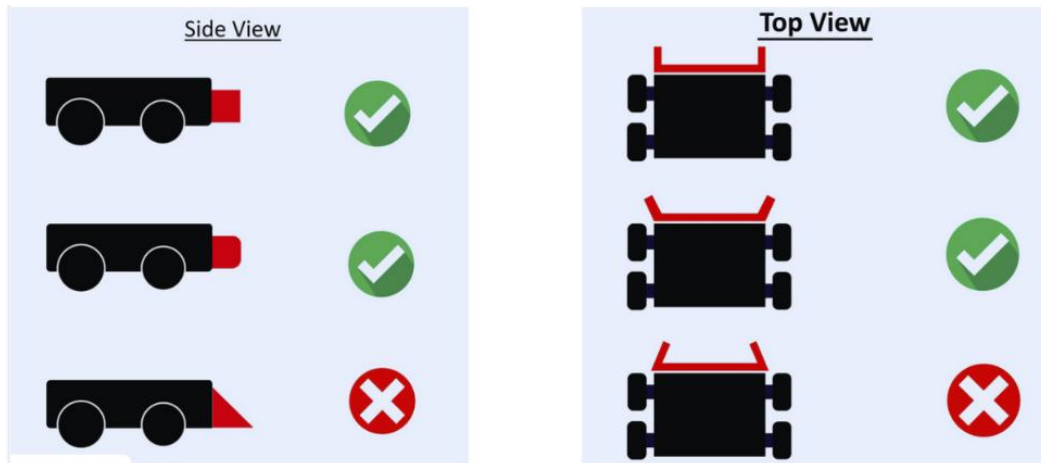
## Robot Specifications(soccer bot):

Criterion	Maximum Value / Specification
Robot Length	20 cm (Including Bracket)
Robot Width	20 cm
Robot Height	20 cm
Robot Weight	800 gm
Robot Operating Voltage	12.6 V (No Boost Module is allowed)
Motor RPM	600 RPM

- Robot should be fully autonomous.
- During the competition, any kind of communication (RF, Bluetooth, Wi-Fi, Lora, NFC, Zigbee etc.) is strictly forbidden.
- Robot color should not be “Red”.
- Robot should not use any grabbing or shooting mechanism.
- Use of AI, ML, DL, Camera is allowed.

## Bracket Specifications:

Criterion	Maximum Value / Specification
Bracket Length	20 cm
Bracket Width	5 cm



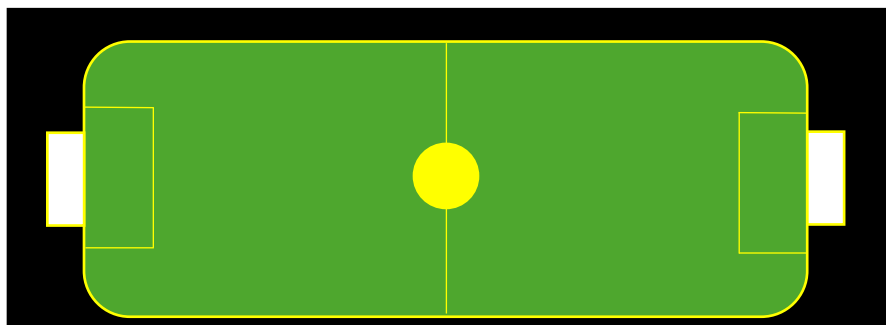
- No Slope or Hinge is Allowed with the bracket.

### Ball Specifications:

Criterion	Maximum Value / Specification
Ball Shape	Round
Ball Weight	100 gm
Ball Diameter	5 cm
Ball Color	Red

### Field Specifications:

Criterion	Maximum Value / Specification
Field Shape	Rectangular with Round Edge
Field Length	5 Feet
Field Width	3 Feet
Field Color	Green
Field Line Color	Yellow
Field Wall Color	Yellow
Goalpost Width	25 cm
Goalpost Color	White



### **Gameplay:**

1. Initially, bots will be in the hand of the person.
2. At the start of the game the ball will be placed at the center of the field by the referee.
3. Only one person can enter the area along with the Soccer Bot.
4. Robot should be placed inside the yellow marked box of its own side as soon as the referee blows the whistle.
5. Any robot placing before the referee's whistle will be penalized.
6. If any robot does not move for 30 seconds from a position, a penalty shoot-out will be given to the opponent, and the robot will get another 30 seconds to come back to the field.
7. Every time a goal is scored by one team, the ball will be returned to the center of the field. And the bots will go back to the hands of the players.
8. If two opposing robots are tangled with each other, the referee will pause the game and then replace the robots in their starting position.
9. The robots must always try to win back the possession from the opponent if they lose the ball.
10. Only the referee is allowed inside the game zone.
11. The referee can interrupt a game in progress if any kind of interference from spectators is suspected.
12. Damage of the arena severely by any bot will lead to disqualification of the team. Only the referee can interrupt the game in progress if necessary. The referee's decision will always be considered as the final decision. Any team opposing the decision might concede penalty.

### **Game Scoring:**

The scoring is similar to the traditional football game scoring. Each goal will contain 1 point.

### **Penalty Rule:**

1. Only one bot will be on the field.
2. The bot can't cross the centerline during heating the ball.
3. The bot will get only one chance.
4. If the ball goes to own goalpost because of any incident, it won't be considered as goal.
5. If any team does not push or shoot the ball out of the centerline within 10 seconds of the start of the whistle the penalty shot will be canceled

### **Match Draw:**

1. In case of a draw each team will be given 2 penalty shootouts. The team with the most goals will be considered the winner.

2. If the Score line remains the same after the penalty shootouts, there will be a sudden death round. (i.e. every team will get one extra penalty shot until there is a difference in the score line of both the teams.)

**Disclaimer:**

- The authority has the right to change the rules.
- Participants must bring their student IDs for verification process.
- The organizers reserves the right to disqualify any participant/team found in violation of the rules.