

ROBOVANZA

ROBO WAR

INTRODUCTION:

I Designing a robot might be easy but playing war with your robot is hard and fun. PROBLEM

STATEMENT:

Build a manually controlled robot skilled enough to immobilize or destroy the opponent's robot.

QUALIFYING ROUND:

1. If you can immobilize the opponent's robot for 5 seconds you will get one point.
2. If your robot is destroyed and it is not able to move then you will loss the round (we will give 30 seconds timeout).
3. After the timeout if your robot is still not able to move then you will loss the round.
4. The Surface of the arena can be wood or mat.
5. Total number of rounds will be decided during the time of the event.
6. The total duration of the round is 5 minutes.
7. If after 5 minutes both the team have equal number of points then there will be extra time of 3 minutes.
8. If after extra time also both the teams have equal number of points then the judges will declare the winner (winning criteria will be revealed at time of the event).
9. If you damage the arena you will be having negative points.
10. If your able to throw or push the opponent out of the arena you will be getting two points. Note: Arena for the qualifying round and the other rounds will be displayed on the day of the event.

ROBOT SPECIFICATIONS:

1. The maximum dimensions of the robot are 30cm x 20cm x 30cm (l*b*h).
2. Robots should be manually controlled.
3. Power supply to the robots should not exceed 12V.
4. Power supply can be ON/OFF board.
5. The weight of the robot should not exceed 10KG (including battery).
6. Tolerance of 5% on dimensions, weight and power supply will be allowed.
7. The Dimensions of the arena is 5m x 1m (can be changed).

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RULES AND REGULATIONS:

1. A team can consist of a maximum of 4 members.
2. Members of different institutions can form a team and must carry your respective college ID cards.
3. Only 2 members of a team are allowed to stay around the arena (for controlling [at the start and end points] and assisting).
4. Any kind of damage to the arena will not be entertained, and if done, the robot will be immediately disqualified.
5. No technical assistance will be provided by the coordinators during the time of the event.
6. No practice runs will be provided.
7. Use of an IC engine in any form is not allowed.
8. Human interference (e.g. touching the robot, stepping into the arena) during the game is not allowed.
9. No external power supply will be provided at the time of event.
10. A robot with the base of a toy car and its gearbox as a machine part will be disqualified. Also, LEGO kits are strictly prohibited.
11. Member participated from a team cannot participate in another team for the same event.
12. A robot is allowed to participate only once in that particular event.
13. The organizers are not responsible for any kind of damage to your robot.
14. In case of any discrepancies, the decision of the coordinator and the event head shall be final, and no further arguments shall be entertained.
15. The teams should bring their own toolkits.

CERTIFICATE POLICY:

1. A Certificate of participation will be awarded to all the participating teams except for the disqualified teams.
2. A Certificate of appreciation would be awarded to the winners.

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