

BATTLE FIELD

INTRODUCTION:

Tired of playing battlefield games in mobile? come play with your robot to smash the opponents

PROBLEM STATEMENT:

Build a manually controlled robot skilled enough to pick and throw balls(Ammunition) on to opponents arena.

QUALIFYING ROUND:

- 1.The robots are placed at the center of the arena at the start of the event.
- 2.The two arenas are separated by a wall of 15cm height.
- 3.Ammunition(Balls)will be provided by the coordinators in their respective arenas.
- 4.Robot must pick and throw ammunition into opponents arena.
- 5.If the ammunition hits opponents robot then opponents robot is frozen for 5 seconds and bonus points are given.
- 6.If the ammunitions are finished in the arena coordinators will be placing new ammunitions.
- 7.The time for each round and points for each Throw/Hit will be revealed on the day of the event.
- 8.The team that cores maximum points in the given time shall win. 9.If the score is a tie, then the match will be declared as draw.

ROBOT SPECIFICATIONS:

- 1.The maximum dimensions of the robot are 30cmx30cmx30cm(l*b*h).
- 2.The robot can expand(any mechanism that may increase the length in anyone dimension) after the dimensions are checked by the coordinators.
- 3.Robot should be manually controlled. 4.Power supply to the robots should not exceed 12V.

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5. Power supply should be ON board.
6. There is no weight limit for the robot.
7. Tolerance is of 5% on dimensions and weight; power supply will be allowed.

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 their 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 person can come and participate in this event.
5. Any kind of damage to the arena will not be entertained, and if done, the robot will be immediately disqualified.
6. No technical assistance will be provided by the coordinators during the time of the event.
7. No practice runs/testing the robot in the arena will be allowed.
8. Use of an IC engine in any form is not allowed.
9. Human interference (e.g. touching the robot, stepping into the arena) during the game is not allowed.
10. No external power supply will be provided at the time of the event.
11. A robot with the base of a toy car and its gear box as a machine part will be disqualified. Also, LEGO kits are strictly prohibited.
12. Member participated from a team cannot participate in another team for the same event.
13. A robot is allowed to participate only once in that particular event.
14. The organizers are not responsible for any kind of damage to your robot.
15. In case of any discrepancies, the decision of the coordinator and the event head shall be final, and no further arguments shall be entertained.
16. The teams should bring their own tool kits.

CERTIFICATE POLICY:

A certificate of participation will be awarded to all participating teams except for the disqualified team

A certificate of appreciation (or excellence) would be awarded to the winners.

NOTE: kindly keep checking the ROBOVANZA website **robovanza.cbit.org.in** for further updates.

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