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TUG OF WAR

For the strongest of the strong

INTRODUCTION:

Imagine the adrenaline rush of fighting in a tug of war. Exciting isn't it ? Now thinck what it would be like if robots played the sport. Tug of war is for the strongest among the strong .You are required to build a bot which needs to pull the opponent so hard that they lose the hope of winning . Thinck you are up for the challenge ? Then start building your tug of war robot now.

PROBLEM STATEMENT

Build a manually controlled robot skilled enough to pull the other robot across the line with least possible time

QUALYING ROUND

1. There will be a black line in between the two robots , one robot should pull the opponent robot across that line .
2. The two robots will be placed at the same distance from the black (a equidistant to the center line will be provided.
3. Total number of rounds will be decided during the time of event.
4. There will be three bouts in each round , the robot which wins maximum number of bouts will win the round.
5. After two mkinutes if no robot has crossed the centerline, the bout is considered a draw.
6. If both the teams win same number of bouts then there will be tie breaker round. If tie breaker round is also a draw, then we will determine the winner by measuring the distance of each robot from the black line ; the robot closest to the line loses.

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ROBOT SPECIFICATIONS

1. There is no dimension constraint.
2. Robots should be manually controlled.
3. Power supply to the robots should not exceed 12V.
4. Power supply should be on board.
5. There is no weight constraint.
6. Tolerance of 5% on 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 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. Th teams should bring their own toolkits.

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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 for further updates.

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