ROBO RACE

Think your Robot can overcome any Obstacle – Big or Minor in the Least Time?
Get it on the Track & Let the Game Begins.

Design a manually controlled Robot that can conquer hurdles and reach the destination by traversing the path in minimum time amongst the best competitors. The performance of the Robot will be compared on the basis of the time taken for completion of task and penalties to identify the winner. Show off the way you enter, your speed, and your path to overcoming challenges here at the enthralling event of "Robo Race".

ROBOT SPECIFICATION

1) Dimension of the Robot should not exceed 30*30*30 Centimeters.
2) The Weight of Bot must not exceed 5 KG (including Controller and Battery).
3) The Bot may be wired or wireless or autonomous.
4) The maximum voltage to power the Bot should not exceed 24V (DC Power Supply only). However, a tolerance of 5 % is acceptable.
5) The maximum power should not exceed 50W.
6) Bring own AC to DC Converters or own Batteries of any type (Li-ion, Lead Acid, Gel/Dry Cell, etc).
7) Lego Kits or Readymade Toys are not allowed.

ARENA SPECIFICATIONS

1) The surface of Race Track and course line may have unevenness.
2) There might be abrupt angles, but these will not exceed 30 Degree.
3) There will be certain obstacles in the Race Track which will try to slow down the Robot.

PRIZE MONEY

First Prize	₹ 14,000/-
Second Prize	₹ 6,000/-

CONDITION

1) Prize Money is subjected to Total Number of Entries in the Event.
2) If 20+ Teams participate then only Second Prize will be given.
3) If there are less than 15 Teams then only First Prize will be rewarded.

REREGISTRATION FEES

Entry Fees	500 INR for per Robot
Combo Offer (Robo Race and Line Follower)	900 INR for per Robot (If Team register their Bot in both Event)
Re-Registration Fees (Only for Robo Race)	250 INR per Robot Re-Registered

SCHEDULED TIME & DATE

Date	Time
29-02-2024	10:30 a.m. to 2:00 p.m.
01-03-2024	10:30 a.m. to 2:00 p.m.

GUIDELINES

1) Teams must prior register their Robots for participating in the Robo Race Event.
2) This is a Racing Event, so the fastest and most balanced Robot will win.
3) The Robot should follow the Robot Specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
4) Changing of Robots will be strictly prohibited and if found to do, so leads disqualification.
5) A Team can consist maximum of 4 Members.
6) The Robot should not damage the Arena.

7) No test practice will be allowed on the Arena.
8) The competition will be of 2 Rounds.
9) First Round - The First Round will be The Elimination Round in which top 10 Teams successfully completing the Round One within given time will qualify for the Round Two.
10) If total registrations are less than 20 than half them (or 50 % of totalregistrations, whichever is lower number) will qualify for Round Two.
11) Second Round – The Second Round will be The Final Round. This round will be the point based round.
12) Every Check-Point crossed will add +10 Points, Hurdle crossed adds +5 Points, Skipping The Hurdle results in -5 Points and Touching The Hurdle once will result in -2 points.
13) If the Robot crosses a Check-Point, and moves off track, then the Robot would be placed back on the previous Check-Point crossed.
14) Once the Race begins, Three Hand Touches are allowed (combined for Round Two and Three), if you are taking Hand Touch, you have to start from last Check-Point.
15) During the Race, Team would be given 3 Skips combined for Round Two and Three.
16) AC supply of 230V, 50Hz will be provided in the Arena.
17) If in case, a situation of technical problem related to Robot occurs, then the Team can take a Technical Break of 1 Minute. It can be availed once per round.
18) During the Technical Break, participant will repair Robot without any outside help.The Registration Fee is non-refundable.
19) Minimum 10 entries are must otherwise Event will be cancelled and Registration Fees will be adjusted in other Events.
20) Re-registration is only allowed in Elimination Round.
21) Re-registration should be done within 45 Minutes of Time Period of getting disqualified.
22) Each Member of the Team must contain the Identity Card of his/her respectedInstitute.
23) Unethical behavior could lead to disqualification.
24) In case of any dispute, the decision of Judge, Faculty Coordinators and Organizers will be final.

CONTACT US:

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