ROBO RACE

INTODUCTION

Speed… must be the synonym of your bot. Design your bot with the best balance in between size and weight in order to achieve **maximum speed** to beat other bots on the racetrack, and challenge other participants.

PROBLEM STATEMENT

To build **wireless** bot within the specifications that can compete with other bots and complete the race as quickly as possible.

ROBOT SPECIFICATIONS

1. Readymade bots are not allowed. Readymade chassis may be used.

2. The dimensions of the robot must not exceed 25cm x 20cm x 15cm (l*b*h).

3. Robot must be **wireless**.

4. **LiPo** batteries are allowed.

5. Power supply to the robot must not exceed 12V.

6. Power supply can be ON/OFF board.

7. The bot must not weigh more than 4 Kg.

8. Tolerance of 5% on the dimensions and power supply will be permitted.

ROUND DESCRIPTION

Round 1(Elimination round): This round consists of 2-laps. The bots will race with other bots (mostly 3 bots at a time) and which completes first will qualify to second round.

Round 2(Qualifier): (Same track which is used for round-1) This round consists of 3-laps the bots will race with other bots and which completes first will qualify to final round.

Note : Round 2 is optional, if the number of participants are more for final round you will need to qualify the 2nd round.

Final round: (Track will be revealed on the spot) This round consists of 3-laps and the bots will race with other bots. This round is also **time constrained** out of all , the bot which completes the race in least time will be the winner.

RULES AND REGULATIONS

1. A team can contain a maximum of 4 members.

2. Any kind of damage to the arena shall not be tolerated, in which case, the bot shall be disqualified.

3. No technical assistance shall be provided by the coordinators during the time of the event.

4. Practice runs shall not be permitted.

5. Use of IC engines in any form is prohibited.

6. Human interference, i.e., stepping into the racetrack, etc shall not be permitted.

7. Only one participant is allowed to control, and another may be there to assist (but is not allowed to control).

8. All bots **must** contain their **own power supply**. No external power supply shall be provided at the time of the event.

9. Any kind of accelerometer module or a mobile phone accelerometer is allowed to control the robots.

10. Any robot with the chassis of a toy car or its gearbox as a machine part, as well as LEGO kits are strictly prohibited.

10. Each member can only take part once in a particular event.

11. Each robot is allowed to take part only once in a particular

event.

12. The organisers are not responsible for any kind of damage to the robot.

13. In case of any discrepancies, **the decision of the coordinator and the event head shall be final**; no further arguments shall be entertained.

14. If any of the robots starts off before start up call, the counter would be restated and the bots will get a second chance. If repeated then team will be disqualified

NOTE: Kindly keep checking the ROBOVANZA website for further updates.

CERTIFICATE POLICY

1. Certificate of participation shall be awarded to all the teams except for the disqualified ones.

2. Certificate of merit shall be awarded to the winner along with the cash prize.

CONTACT DETAILS

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