ROBO RACE

TASK:

Design a robot either wired or wireless within the specified dimensions that can travel through all turns of the track. The robot that will complete the specified task in least time will be the winner.

ROBOT SPECIFICATIONS:

1) The maximum dimension of the robot can be 30 x 30 x 30 cm (l x b x h).

2) The robot may be wired or wireless.

3) The length of the wire (for wired bots) should be long enough to cover the whole track and wire should remain slack during the complete run.

4) Max weight must not exceed 2 kg.

5) The power supply will be provided maximum up to 18Volt.

6) Readymade toys car are not allowed.

GENERAL RULES :

1) This is racing event so fastest and most balanced robot will win.
2) Robot should be as per the given specifications.
3) Each team can have maximum three members. Students from different institutes can form a team.
4) Each member of the team must contain the identity card of his/her respected institute.

5) The robot should not damage the arena.
6) The robot must not leave behind any of its parts during the run; else it will result in disqualification
7) Unethical behavior could lead to disqualification. Faculty co-ordinators have all the rights to take final decision for any matter during the event.
8) Judge's decision will be considered final.
9) Certificates of Participation will be given to all the teams that will participate in the event, but not to the teams which get disqualified due to disobeying any of the competition rules.
10) Each player can play in only one team.

*Co-ordination committee reserves the right to add or update any rule.

TRACK SPECIFICATION :

1) Track width is 35 cm.
2) The track surface and course line may have unevenness.
3) There might be abrupt angles, but these will not exceed 30degrees.
4) There will be certain obstacles in the race track which will try to slow down the robo
5) Arena will consist of switch gate, speed breakers, marble pit, slippery path, rotating ting disc, curve ramp down, seesaw etc.

NOTE: -
1) TRACK WILL BE DISPLAYED ON SPOT

GAME RULE:

1) The competition is based on time trail system. There will a qualifying round for each team.
2) The top team from qualifying round makes it to the final round on basis of time trials.
3) If any of the robots **starts off** before start up call, the counter would be restated and the machines will get a second chance. If repeated again then team will be disqualified.

4) Your robot must be ready when call is made for your team.
5) Machine must not contain any readymade kits, pneumatic &hydraulic systems, IC engines.
6) Decision about your robot will be taken by the organizers.
7) No team will get a second chance after completing the track with poor score.

   ❖ **Entry fees is Rs. 300/- per team**

Student Co-ordinates :

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