MAHARAJA AGRASEN COLLEGE

VZEON '14

THE CRADLE OF INNOVATION

PRESENTS...

ACCELEROBOTS

CHALLENGE:-

"More speed, more power with minimum time"

Design a manually controlled ROBOT that has capacity to cover maximum distance in shortest possible time, challenging the hurdles and be one of the best opponents. Think your robot can overcome any obstacle-big or small in the least of time. If so get it on the track and let the game begin. And bear in mind that maximizing RPM does not make you winner but winners are those who have good presence of mind, sharpness and practice.

ROBOT SPECIFICATIONS:-

1) The maximum dimension of the robot can be 30 x 30 cm (l x b).
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 6 kg.
5) Readymade toys car are not allowed.

RULES AND REGULATIONS:-

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 four 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-coordinators have all the rights to take final decision for any matter during the event.
8) Judge's decision will be considered final.

ARENA:-

1) The track surface and course line may have unevenness.
2) There might be abrupt angles.
3) There will be certain obstacles in the race track which will try to slow down the robot.
4) Major changes will be notified on the website.
5) Arena will consist of switch gate, speed breakers, marble pit, slippery path, rotating disc, curve ramp down, seesaw, balloon pit, slotted ramp etc.

PHASES IN THE EVENT:-

1) The competition is based on time trail system. There will a qualifying round for each team.
2) The top 5 teams from qualifying round makes it to the final round on basis of time trials.
3) Three hand touches are allowed with penalty of 10 seconds. For each hand touch, penalty time will be added further to overall time required by robot for completion of specified round.
4) 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.
5) Your robot must be ready when call is made for your team.
6) Machine must not contain any readymade kits, pneumatic & hydraulic systems, IC engines.
7) Decision about your robot will be taken by the organizers.
8) All about final round will be notified on the final day.

*Rules may subject to change.

Bonus points:

You will be given several opportunities while racing to gain bonus point and it will declare on the time of event.

For registration:

http://goo.gl/213ngS

For further queries:

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