

ROBO-RACE

<i>Event name</i>	<i>: ROBO-RACE</i>
<i>Event venue</i>	<i>: Nishagandhi, Cult A Way</i>
<i>Date</i>	<i>:20th February, 2015</i>
<i>Punch line</i>	<i>: “Cross if U Can”</i>
<i>Entry criteria</i>	<i>: Only for Engineering Students</i>

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.

- 1. The maximum dimension of the robot can be 30 x 30 cm x 30cm (l x b x h) - should fix in a box of the same size.*
- 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 4-5kg.*
- 5. The power supply will be provided 230v ac (converter will not be provided).*
- 6. Ready made toys car are not allowed.*

RULES & REGULATIONS:

1. *Robot should be as per the given specifications*
2. *There will be checkpoints at regular intervals on the track.. The machine will placed to nearest checkpoint which the machine has surpassed in case of machine falling off the track or any penalty.*

Or

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.

3. *Details about the penalty and checkpoints will be given to the participants at the time of event.*
4. *Maximum 4 members would be allowed in one team. Students from different institutes can form a team.*
5. *The robot must not leave behind any of its parts during the run; it will result in negative points.*
6. *The machine should not damage the track else the team will be disqualified.*
7. *Each member of the team must contain the identity card of his/her respected institute.*
8. *Certificates will be given to all the participants.*
9. *Faculty-coordinators have all the rights to take final decision for any matter during the event.*
10. *Judges decision will be final and binding to all.*

***RULES MAY SUBJECT TO CHANGE.**

ARENA:

Track width is 40 cm.

- 1. 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. The design and size of the obstacles in the race track, will try to slow down the robot.*
- 5. Major changes will be notified on the website (www.cultaway.com).*
- 6. Arena may consists of switch gate, speed breakers, marble pit, slippery path, curve ramp.*

Note: Arena may update

PHASES IN THE EVENT:

- 1. 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.*
- 2. The competition is based on time trail system. There will a qualifying round for each team.*
- 3. The top team from qualifying round makes it to the final round on basis of time trials.*
- 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. All about final round will be notified on the final day.*

BONUS:

You will be given several opportunities while racing to gain bonus points. It will be declared at the time of event.

EVENT COORDINATOR:

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