

Blazing Wheels

Task:-

Design and construct a remote controlled (wired/wireless) robot capable not only running fast but also is capable of fighting hurdles on the track in the least time.

Bot Specifications:-

- Only wheels are allowed for locomotion, conveyer belts may be used.
- The weight of the bot should not be more than 5kgs (excluding power source).
- The bot should fit in a box dimensions 30*25*20 cm.
- At all times, bots behavior should be non-offensive, non-destructive and non-harmful to humans and track.
- Bots are not allowed to fly.
- Internal combustion engine cannot be used.
- Also bot must not emit smoke or fire, leak, stain or soil, spray, throw or use projectiles.
- Onboard power supply should be present and it should not exceed 15V between any two points.

Team Specification:-

- Any team can participate in Blazing Wheels, Infotsav-2k16. A team may consist of 2 to 4 member Participants. These participants can be from same or different institutes.
- Team Representative: Each team must specify their Team Representative (Leader) at the time of registration on the website.
- All important communications between organizers and the registered teams will be done through Team Representative.
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Track Specifications:-

- The track will be 35-40 cm wide.
- The track will be having many zones and various check points.

GENERAL RULES:-

- The track will contain certain number of check-points and if the bot goes out of the track then it has to start with the previous check-point. You can bring back the bot on track for 3 chances maximum.
- There will be certain number of hurdles and obstacles. Each obstacle and hurdle will be assigned some specific points and have to be completed in a stipulated time limit.
- Point description will be disclosed on the spot before commencement of event.
- One should not use the wires for lifting up or moving the bot.
- Points earned will be calculated within the time limit and free time of 3 min will be provided. Only once if any technical problem occurs.
- The organizers reserve the right to change any or all of the rules as they desire. Change in the rules as if any will be informed through e-mail or via Facebook page
- Any team found flouting any rules would be automatically disqualified.

NOTE: In case of any discrepancies, FINAL DECISION WILL BE MADE BY THE ORGANIZERS.