**ROBO HURDLE RACE**

* The challenge is to build your own wireless/wired bot within the specified dimensions in order to achieve the maximum speed to beat other bots on the given track and reach the finishing line in minimum time.

**General Rules:**

* Each team can have of a maximum of 5 members.
* Each team should have different participants i.e., no individual can be a part of two or more teams.
* The organizers reserve the right to change the rules as they deem fit. Changes in rules.
* Not more than 2 members from a team can control the bot at any time. One member should always manage the wires.
* The participant should provide the **specifications and materials used** in their bots in a **pdf** before the event for inspection of the bot.
* Any robotic parts/building material can be used until the robot meets the above specifications and if the design and construction are primarily the original work of the team as ready-made robots are not allowed to compete in the competition.
* The decision of the referee will be final and binding.
* The organizing team will NOT be responsible for any injury to any person or property to anyone participating or witnessing the event.
* The organizers reserve all rights to change any/all of the above rules

**Event: Robo Hurdle Race**

* The main aim of a participating team is to complete the track in minimum time using their bots.
* The race will have 2 rounds. One qualifying round & other will be final round.
* The robot must start behind the starting mark and is considered to have crossed the finishing line. Bot must be manually/autonomously controlled, and it should be capable of traversing over different terrain and hurdles without going outside the track.
* The run timer will start when the front edge of the robot crosses the start line and stops when the front edge of the robot crosses the finish line.
* There will be penalties for touching the walls of track & obstacles placed on the track.
* +10 seconds will be added if the participant uses hand touch.
* The electric voltage between any 2 points on the machine should not exceed 12V DC at any point in time. Participants will have to bring their own converters for standard power supply according to Indian standards.

**Robot Specification**

* The total weight of bot **should not exceed 3 kgs**. The weight of the bot includes the remote control, batteries etc. However, a tolerance of 5% is acceptable.
* The size of the robot must be within the **size limit- width = 30 cm, length = 30 cm.**
* The robot can be wired or wireless.
* The controlling wires should be bound into a single strip and long enough (preferably erected up to a certain height so that it does not entangle with the opponent’s wires or robot
* The wires must remain slack throughout the event.

**Competition Information**

***Venue:***  **Government Engineering College Raipur, Sejbahar, Raipur, Chhattisgarh** (India)  
***Registration Fee :***.*NIL*

***Prize Bifurcation:*** INR 10000 (1st Prize) | INR 7000 (2nd Prize) | INR 5000 (3rd Prize)

***Registration mode :*** Online.

***For Any Query :***   
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