**Robo Race**

* **Introduction:-**

Construct Your Machine to have the maximum SPEED to beat another machines on the given track to reach the final destination in minimum time.

* **Task:-**

Design and construct a remote controlled robot capable not only running fast but also is capable of fighting hurdles on the track

* **Specifications:-**
* **Dimensions and Fabrications**
* The machine should fit within a box of dimensions 30x30x30 cm (maximum size). The external device used to control the machine such as remote control box or DC converter is not included in the size constraint.
* The Machines should not weight more than **4 Kg**.
* Both wireless and wired machines are allowed.
* Use of readymade toys is not allowed, but one can use the readymade circuits.
* Chemicals, compressed gases and rockets, fuels, combustion power methods, etc. are strictly prohibited. However commercial batteries like dry cells and lead acid can be used.
* **Battery and Power**
* The machine can be powered electrically only. Use of an IC engine in any form is not allowed. On board Batteries must be sealed, immobilized-electrolyte types (such as gel cells, lithium, NiCad, NiMH, or dry cells).
* The electric voltage between 2 points anywhere in the machine should not be more than 24 V DC at any point of time.
* All efforts must be made to protect battery terminals from a direct short and causing a battery fire, failure to do so will cause direct disqualification.
* Use of damaged, non-leak proof batteries may lead to disqualification.
* Special care should be taken to protect the on-board batteries
* Change of battery will be allowed during the match
* Use of heavy equipment like compressors is banned.
* **Safety Rules:-**
* Compliance with all event rules is mandatory. It is expected that competitors stay within the rules and procedures of their own accord and do not require constant policing
* The machine you build would be first checked for size and safety.
* The machine should not cause electrical power breakdown.
* The robot must not contain any combustible, corrosive, or otherwise dangerous materials.
* No explosive, compressive or expansive, either internal or external is permitted.

ANY ROBOT WHOSE STRATEGY OR OPERATION IS CONSIDERED DANGEROUS CAN BE DISQUALIFIED BY THE JUDGES AT THEIR DISCRETION.

* **Rules and Regulations:**
* All participants are required to report 30 minutes before the event starts, to the reporting desk.
* Every participant should have his college identity card or at least one proof of identity. All the teams are required to bring the registration receipt with them.
* In case of inconvenience, participants are required to seek any of the volunteers present.
* Any misbehavior of participant during event or rounds may lead to eliminate from the round he/she is currently in.
* All the team members must be present during the event at the specified time. If the team is absent, it will be disqualified.
* No extra time will be given to any team under any circumstances. Decision of the judges is final.
* Organizers are not responsible for any loss in property, injury and delays caused by participants during the event.
* If there is any damage to the tools provided or instruments then the team to which the instrument was given would be liable to pay for the damage.
* Other instructions will be provided on the day of event
* Participants are required to stay up to date with the website. Cross-college teams are allowed.
* All the rights are reserved with Paroksha 2K16 committee.

**Note: Robot will be provided of use at time of competition at Rs. 50/ only.**

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Entry Fees : Rs. 50 /- per student (max. 4 members)

* Coordinators:

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