



SOLAR ROLLER

Indians have been known for a long time because of their habit of finding unique solutions to problems. The word that best describes this habit of ours is “Jugaadu”. One such problem is that of waiting in long lines at petrol pumps and insanely rising fuel prices. Again we have found another Jugaad of this scenario that is Solar powered car.

Aim: To design and race a solar car using commonly available materials and to challenge their peers in head-to-head competition. Performance placement and design notebooks will be used to select finalists and overall winner.

Specifications:

- Maximum measurements of the car have to be 2*2*2 ft.
- The bot can be wired or wireless
- Primary mode of charging should be solar energy
- Should use solar energy too

Health and environment:

Should not be harmful to human and nature

NOTE:

- The product should be able to function in all weather conditions, like a sunny day, a cloudy day or a rainy day
- After the round 1, if the car does not work, it will not be considered be for round 2

RULES:

The competition will be held in 2 rounds, in the first round, one has to complete 5 laps of the arena and the qualifying teams will be eligible for the second round, wherein they have to pass the obstacles provided as a part of the challenge.



- ROUND 1:

Complete 5 laps of the arena

- ROUND 2:

Time bound obstacle race

General Rules:

- **There will be separate events for wired and wireless bots.**
- The teams must adhere to the spirit of healthy competition
- No changes will be allowed to the bot after round 1
- If the authenticity of the design comes into question, the organizers' decision will be final and binding
- Organizers reserve the right to disqualify any team indulging in misbehavior or violating any rules.
- Any team that is not ready at the specified time will be disqualified from the competition automatically.
- In case of any disputes/discrepancies, the organizers' decision will be final and binding.
- The organizers reserve the rights to change any or all of the above rules as they deem fit.
- Change in rules, if any will be highlighted on the website and notified to the registered teams.
- Note that at any point of time, the latest information will be that which is on the website. The information provided in the pdf downloaded earlier may not be the latest. However, the registered participants will be informed through mail about any such changes.

Judging Criteria:

- Idea (Innovation)
- Design (Innovation, aesthetics)
- Portability (weight and volume)
- Eco friendly nature
- Reliability
- Materials used
- Efficiency
- Speed
- Time taken to complete the laps and obstacle race
- **Wired and Wireless bots will be judged separately**

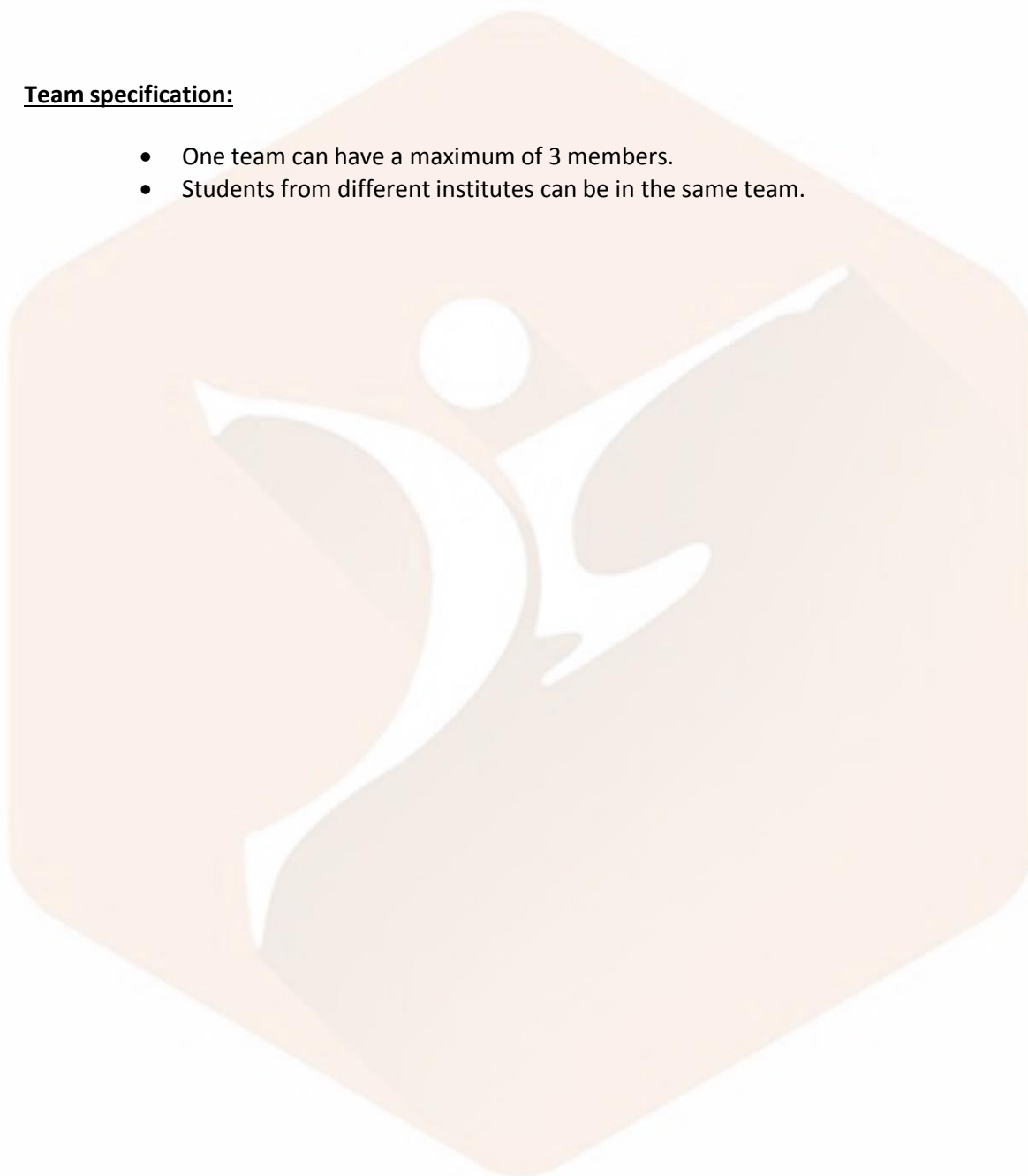


Eligibility

All students with a valid identity card of their respective educational institutions are eligible to participate

Team specification:

- One team can have a maximum of 3 members.
- Students from different institutes can be in the same team.



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