

THRUST ARENA

Event Description:

Thrust is an exciting event where participants will design and launch water rockets, providing a hands-on learning experience about the principles of forces and vehicle dynamics. A water rocket is a type of model rocket that uses water as its reaction mass, propelled by pressurized gas, typically compressed air. Operating on Newton's third law of motion, these rockets usually utilize plastic soft drink bottles as pressure vessels. Participants can experiment with various designs, including multi-stage rockets.

Team Specification:

- Each team can have up to 4 members.

Event Structure:

The competition consists of two rounds:

1. Elimination Round:

- Points are awarded based on the range of flight, leak-free rockets, successful design, landing accuracy, hang time, and the explanation behind the design.
- The flight range is measured from the launch point to the first impact point on the ground.
- Teams with flights covering greater distances will qualify for the final round.

2. Finale Round:

- Each team gets two attempts. The flight covering the larger distance will be considered for evaluation.

Rules and Guidelines:

- Participants must register by filling out the Google form for the event.
- All team members must present a valid college ID card to participate.
- Only plastic soft drink bottles and cardboard can be used for the rocket body.
- Teams can use up to three bottles, each with a maximum volume of 2.5 liters.
- The only permissible energy source is the water/air pressure combination.
- Chemical additives or aerated water are prohibited.
- Only tap water, provided by the organizers, is allowed for use in the rockets.
- A launching pad will be provided at the event.
- Participants must report 15 minutes before their allotted slot. NEXUS is not responsible for any late, lost, or misdirected entries.
- Any misbehaviour by participants may lead to disqualification.
- The organizing committee reserves the right to modify the rules at any time. Registered participants will be informed of any changes via email, message, or WhatsApp groups.
- The jury's decision will be final and binding.



Contact For Queries:

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