WATER ROCKET CHALLENGE 2026

Proposal fiel	Details
Organizer	Kumaraguru SEDS
Event type	Water Rocket
Date	29 October 2026
Mode	Offline
Duration	6 hours
Team size	2 members
Prize pool	₹10,000
Maximum Teams	Up to 30
Proposed time	10 AM to 4 PM
Venue	**Kumaraguru Grounds, KCT Campus**

Description

Water Rocketry is a competition where participants design, build, and launch rockets powered by pressurized air and water.It challenges students to apply principles of physics, aerodynamics, and propulsion through hands-on engineering.Teams are evaluated based on design, stability, flight performance, and accuracy.

RULES AND REGULATIONS

- Rockets must use standard plastic water bottles with a capacity of 1 L or 2 L. Metal or glass components, including nose cones and fans, are strictly prohibited.
- Only single-stage rockets are permitted.
- The launch pad will be provided by the organizers
- Pure tap water and compressed air only. Chemical additives, fuels, or reactive accelerants result in instant disqualification.
- Organizers regulate and monitor compressor pressure up to a maximum safety ceiling of 80 PSI.
- Each team is granted 2 attempts; maximum valid down-range ground distance recorded by range laser will be retained.

EVALUATION SCHEME

Evaluation Criteria	Weightage
Rocket Design and Innovation	10
Stability and Construction Quality 20%	10
2 Flight Performance (Maximum Horizontal Distance)	80
Total	**100**

PRIZE PLAN

Position	Prize amount
First place	₹5,000
Second place	₹3,000
Third place	₹2,000
Total prize pool	**₹10,000**