



**FLIGHT-2022**

**MADRAS INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF AEROSPACE ENGINEERING**

**ASSOCIATION OF AERONAUTICAL ENGINEERS**

**BOTTLE ROCKETRY –DAY 2**

**MAY 14, 2022**

## **Introduction**

“Rocketry is the enabler of all space technologies, particularly satellites, many of which impact people’s everyday life in almost countless ways“ Space rockets work in a similar way to the bottle, but instead of squirting water they burn fuel to make a powerful jet of hot gas. It’s simple than it sounds to make a working bottle rocket and does not cost you much money. With a bottle and some cardboard assembling is easy, but getting it to launch is tedious process.

## **Description**

Each team will be given a bottle rocketry kit using which they are required to build a bottle rocket as per instructions. The designed rockets will be judged on the basis of range and precision of target.

## Event format

- There will be two rounds.
- First round is a preliminary round consisting of a written test on basics of flight.
- The second and final round will be an on the spot event. Shortlisted candidates will be given the bottle rocketry kit.

## Rules

- Participants are required to produce college ID without fail.
- Maximum of two per team.
- Participants will be given a time of 10 minutes to design their rocket on spot.
- The water shall be provided by the organizers. The angle at which the rocket is to be launched and amount of water to be filled in the rocket body is left to the choice of the team.
- No component or body part of the rocket should be detached from the mainframe during the flight of the rocket. If any part gets detached, the rocket will be disqualified.
- Only two chances will be given to test the rocket.

## Contact Details

For any queries regarding the event, feel free to contact the organizers.

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