



## STIMULANT

### **INTRODUCTION:**

*“Without your involvement you can’t succeed. With your involvement you can’t fail”.*

*-A. P. J Abdul Kalam*

Everyone dreams to fly their own rocket which is simple, safe & exiting. We give you an opportunity to showcase your dream of flying a rocket which uses simple fuels like water. We provide you an opportunity to exhibit your rocketry skills and talent through the water rocket event “STIMULANT”. Water rocket which uses Newton’s third law of motion is a model rocket which uses water as its reaction mass. Engine of rocket (pressure vessel) can be any soft drink bottle.

For further information regarding the technique, you can refer to the following websites and videos-

<http://www.sciencebits.com/RocketEqs>

<https://www.youtube.com/watch?v=WsRVYoMpDfs>

### **EVENT FORMAT:**

#### **ROUND-1:**

The objective of the preliminary round is to launch a water rocket with any



inclination and make it go as far as possible horizontally. The initial point it touches the ground while landing will be the point of consideration. This is an elimination round.

## **ROUND-2:**

This round includes total time a rocket remains in air that is from the time of launch to the time it reaches the ground at a given inclination. This will be final and deciding round.

## **JUDGING CRITERIA:**

Total body of the rocket should be non-metallic including fins (if necessary). If not, it will lead to disqualification.

Final round comprises the winning team whose rocket will be in the air for longer time.



IIT Bhubaneswar

The Annual Techno Management Fest

**WISSENAIRE**

3<sup>rd</sup> - 5<sup>th</sup> February 2017

## **RULES AND REGULATIONS:**

- Each team can include a maximum of 3 members. Cross college teams are allowed.
- The rocket should use water as its reaction mass and pressure vessel must be made of commercially available non-metallic soda bottles.
- Each team can use different rockets for different rounds and is advised to bring a spare of your model rocket in case of any damage.
- Rocket must use compressed air as its energy source.
- Teams should bring their own nozzles, pump and connecting pipe. Nothing will be provided.
- Extra time will not be provided for remaking of damaged rockets.

## **CONTACT DETAILS:**

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