

ROCKETO POLEMOS

Event Description:-

Ever wondered how to make rockets? Here is your chance. This Tecnoesis **ASME NIT Silchar Chapter** presents to you Rocketo Polemos, an amateur rocketry competition where you will build your own rocket and compete with others. We have always had that little curiosity and desire to build rockets since childhood, this is the time to showcase your hidden talent.

The competition expects the participants to showcase their innovative ideas and how they can apply their ideas and knowledge in the field of application. A basic knowledge of Chemistry of fuel and oxidizers is expected although it isn't necessary. Your interest matters not your branch.

Problem Statement:-

The participants are required to build **a single stage amateur rocket** which runs on **solid sugar propellants**. The rockets are then launched from a Launchpad keeping in mind the safety of the viewers.

Note – The detailed instruction on making the rocket propellant will be provided by the organizers in a workshop conducted for the sole purpose of participants q/a. The Launchpad will be provided by the organizers.

Rules:-

1. The team of the participants can be four at maximum. (Lone wolves are also welcome).
2. The size of the rocket should not exceed more than 70 cm.
3. The propellant of the rocket should be solid type, and will be provided by the organizers and put to use under their careful supervision.
4. The rockets that fail to launch (i.e., explodes on Launchpad or midair or fails to launch to a minimum height of 2.5 meter) will be disqualified.
5. The participants may include a parachute recovery system in their rockets which shall be awarded bonus points if they deem it necessary for their design.
6. The rockets can be deemed as too dangerous to launch by the organizers, module head or judges at any point of time during the event. Their decision will be final and no further argument from the participants shall be entertained.
7. The above rules are liable to change if deemed necessary by the organizers at any point of time during the event and their decision will be considered to be final. No further argument shall be entertained.

Scoring and judging criteria:-

1. The rockets will be launched vertically and the time of flight of the rocket will be recorded by four judges, the average of all the readings will be then taken into consideration. The rocket with the highest time of flight will be the one reaching the greatest height and hence will be the winner. The first three teams with the longest time of flight shall be awarded the first, second and third prize accordingly.
2. The decision of the judges shall be final.

Participants are expected to abide by the rules and should co-operate with the event organizers.

Organizers and their details:-

Name	Contact number
Mukunda Madhab Sharma	9957680083
Sohail Sajid Alam	9706442354
Samudrajeet Boruah	8638472525
Karan Chetri	8471880811