



AVIATOR

Team Event (Y15)

Points: 20

Problem statement:

Design a rubber propelled aircraft that will use its potential energy to provide thrust. Designing is a very crucial part of this event to ensure a good time of flight.

Rules and Regulations:

- Each team will get 2 attempts to fly their plane.
- Best out of the 2 time of flights will be used for scoring.
- Each team will be given one trial run before the event.
- Models should be handmade, readymade models will not be accepted.
- The aircraft should not be powered by any electric/engine source, it should only be rubber propelled.
- There is no limitation on the size of the plane.

Team structure:

There is no limitation on the number of teams from each pool. The teams can have maximum three members.

Task:

- The participants will have to construct a plane capable of good glide, low drag and should be rubber propelled.
- Your model can be of any size or shape and can be made of any material. But, it is recommended to use light weight material like balsa, Styrofoam, plastic etc.
- Teams need to hand launch their model. Any other mechanism like use of springs/rubber band, high start etc. is not allowed.
- Once launched, your model should be capable of doing maximum time of flight.

Scoring:

Entirely based on time of flight (T). Time is calculated in seconds(s). Ranking will be based on 'T'.



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Tie Condition:

In case there is any tie, teams will have to repeat the problem statement until we get a winner.

Note: In case of any disputes, the decision of the Coordinators would be final and binding to all.

In case of any problem, feel free to contact.

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