PRODYOGIKI '19

Cat-A-Plane

Objective:

A glider is an unpowered aircraft that uses natural occurring currents of rising air in atmosphere to remain airborne. A **catapult** is a ballistic used to launch a projectile for a great distance without the aid of explosive devices.

- Teams have to build a glider plane which gives a very long flight when gently launched into the air, usually in the wind by a gentle throw of a catapult.
- Participants will be provided with some materials at the time of competition.
- They will have to use those materials to make a catapult glider in the allotted time .

(NOTE: Catapult for testing of plane will be provided by team ISTE)

Rules:

1. Maximum of 4 members in a team.
2. Use of any material that is not provided on spot is not allowed.
3. Each time will get a maximum of 3 attempts to launch their plane.
4. The minimum wing span of the plane should be 36 cm and the minimum length should be 30 cm
5. The participants will be provided 1 hour to build the plane

Judgement Criteria:
1. Range of plane
2. Time of flight
3. Design of plane