

PRODYOGIKI '19

Cat-A-Plane

Gone are the childhood days when we used to make miniature paper catapults on our fingers using a rubber band. How about thinking bigger and better? How about launching your own planes into the sky using the force of elasticity!? Team ISTE brings to you "CataPlane" where teams will have to design efficient wooden planes which would then be catapulted into heights of the cosmos!

Objective : Teams have to build a wooden plane which gives a very long flight when gently launched into the air, usually in the wind by a gentle throw of a catapult.

Model Description : A catapult glider is a 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

Dimension specifications : The total dimension of the plane including the launchpad and glider should be around 800 mm

Game Description : 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

Judgement Criteria :

1. Range of plane
2. Height of flight

Prize : The winning team will be awarded with a cash prize as soon as the result is declared .

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