

Aeromodelling competition

➤ Machine Specifications

Design constraints-

- 1).Only electrical motors are allowed , use of IC engines is prohibited.
- 2)Thrust to weight ratio should not exceed 0.9(if excess thrust found weight shall be added)
- 3)The aircraft should have a maximum weight of 800 grams.
- 4) Use of autopilot and gyros is prohibited.
- 5) propellor diameter should not be greater than 10 inches

➤ Event Rules

Two rounds will be conducted-

Qualifier round

Manoeuvre round

Qualifiers round

In this round teams will be selected on the basis of maximum glide time.steps will be as follows-

- 1) climb for 20 seconds with full throttle
- 2)glide for maximum time with dead stick
- 3) land in given zone of 20X20m

A maximum of upto 15 teams will be selected on the basis of their glide time.

Manoeuvre round

Steps to perform the manoeuvre-

- 1) take off from given zone of 20X20m.
- 2) pass through the gate(5mX5m) by bring it towards the take off\landing zone
- 3)perform an inside loop after passing through the gate.
- 4) land in the landing\take off zone.

A maximum of 5 minutes will be given to each team to perform the entire manoeuvre. The team can repeat the manoeuvre within the specified time to score more points

➤ Faculty Coordinator Details

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