

AEROSTORM

"When everything seems to be going against you, remember that the airplane takes off against the wind, not with it." - Henry Ford

Problem Statement:

Design a radio controlled aeroplane which can be controlled by using Tx & Rx.

Team Size:

Maximum 4 members per group.

General Rules:

- 1] All the participating teams will have to present on the field in time. Otherwise they will be disqualified.
- 2] The participating teams will have to carry their own plane & Tx-Rx with them.
- 3] The plane will be checked before the taking part in the event for safety & will be disqualified if found unsafe for other participants and spectators.
- 4] The participating team should not damage others plane or equipments. Any misbehavior will lead into disqualification.
- 5] One aircraft should not be shared by more than one team.

Technical Rules & Regulations:

1. Each team would be given 2 chances for each of the rounds and the best score is considered as per the scoring procedure for each round.

2. The timer will start from the moment the aircraft is in the air for both the rounds.

3. There will be two rounds.

- The best measure of the design of an aircraft can be done by climb and gliding time. To examine this, participants have to climb for 25 seconds. After this, they need to perform a dead stick flight (throttle=0 or Gliding) and land at a specified location.
- In the 2nd round the teams will have to make loops while flying in the sky.

4. Plane Specification:

- Propeller diameter should not be greater than 10 inches. No metal propellers are allowed.
- The use of IC engines is prohibited. Only electrical motors are allowed.
- Use of flight stabilizers are strictly prohibited.
- Use of Gyroscope and programming assistance in Rx is prohibited.

5. Only one member of each team should fly the aircraft.

6. Professional flyers are not allowed. Only students are allowed.
7. All the systems (Servos, motor, etc.) will be checked by organizers for functionality before the competition. If found not working, teams will be dismissed from the competition.
8. Pilot can position himself at any point in the arena to fly the aircraft during the rounds.
9. Plane should be built from scratch and not purchased models

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