

Problem Statement

Rules on Team structure

1. Maximum of 10 members in a team.
2. Members of a team may be from same college or different (UG or PG).
3. Any number of teams can participate from one college.
4. Professionals are not allowed (Only students can participate).

Design Constraints

1. Maximum of 4 motors will be allowed.
2. Propeller diameter should not be greater than 10 inches.
3. Battery weight should not be more than 350 gm.
4. Only electrical motors are allowed .
5. Use of stabilisation board and programming assistance in receivers is prescribed.
6. One of the team members should fly the quadcopter and another should call the stunts as they are performed (just before) .

Format of the Competition

The competition requires the participants to design and fabricate a quadcopter (no Readymade quadcopters are allowed) and perform a set of tasks. Propellers, Motors, ESC, Servos, Receiver and Transmitter are allowed as off-the-shelf items. The event will be conducted at the grounds of the college and participants will need to bring their self made quadcopter and all necessary equipment to this venue. The arena will be an open ground.

Rules

1. Each team would be given 2 chances and the best score is considered as per the scoring procedure mentioned.
2. The timer will start from the moment the quadcopter is in the air for both the chances.

General Information

1. There will be only one round consisting of some simple hurdles. Participants will get two chances for this round.
2. The use of 2.4 GHz radio is required for all quadcopters competing in the competition. If the participants want to use any other frequency, they will have to inform the organizers in advance.
3. Receivers installed in the aircraft have to be in 'receiver mode only'
4. 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.
5. Pilot can position himself at any point in the arena to fly the quadcopter during the rounds
6. Metal propellers are not allowed
7. Bring your college/student I-Card at the time of competition.
8. Any of the above mentioned rules, if found violated, teams would not be allowed to participate in the competition

Co-ordinators

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