



**TECH FIESTA**  
2019



## SOAR WITH DRONES

The event involves UAV designing and controlling, judged on the course of three rounds. This event is planned in such a way that young minds have to design their own drone not just flying the off the shelf commercial one.

The maximum members allowed in each group should not exceed 5.

### EVENT DETAILS

#### Round 1: Stability Test

1. The first round will be judged completely on the stability of the respective assembled.
2. First round is the elimination round.

#### Round 2: Hit the Bull's eye

1. Servo will be provided by the coordinators to the respective drones.
2. The objective of this round is to fly and attain a predefined height, and drop the weights aiming for the Bull's eye.
3. A perfect bull's eye will fetch 100 marks and thereafter the marks are 80, 60, 40 and 20 respectively.
4. The more precise the blocks are dropped the higher will be the scores.
5. The controller can move from his/her position only within the boundaries mentioned.

The other team members will only guide throughout.

6. No elimination will take place.

#### Round 3: Game of Drones

1. The route of the flying zone will be indicated.
2. The round will be obstacle based.
3. Any drone found flying outside the permissible flying zone will be disqualified on the spot.

**JUGDING CRITERIA**

**ROUND 1**

1. Stability.
2. Number of retakes (if provided).
3. Remarks

**ROUND 2**

1. Height attained.
2. Points for dropping on the target.
3. Number of penalties (if any).

**ROUND 3**

1. Obstacles crossed.
2. Time taken.
3. Number of penalties (if any).

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