**Drone Tussle**

Humans love to fly, and flying machines have always given them Goosebumps. You have to design a quadcopter, that will manoeuvre through hurdles to make you win the show.

Cash prize for winner: 25k

Proble statement:

* Build your Quadcopter to fly through given set of interruptions, hurdles, etc., along the path to complete it’s journey to the finish line.
* You will come across a number of twist n turns, hurdles, poles and balloons, that your quad-copter will have to manoeuvre through. The fastest Drone will win the Race and winning amount.

Rules:

* The complete Drone should fix inside the box of dimension (Cm) 80 X 80 X 80 (LXBXH). All dimensions are in cm.
* A team can consist of a maximum of 6 members.
* You are free to design any kind of Quad copter. There is no restriction over the specifications of ESC, BLDC Motor, Controller, Battery, Radio or any other electronics.
* You would not ne allowed to bring in ready made Quadcopters at any cost.
* You may use FPV or camera equipped drones.
* Only one mentor for the team is allowed as a tech advisor.
* The technical advisor will not be allowed at any cost to touch or repair the robot during the competition, failing so, will disqualify your team.

**Fair Play:**

* Robots that cause any kind of interference with other robots or if found damaging the arena will be disqualified.
* You are not allowed to touch any other team’s robot, until they ask for any help and it’s mutual.
* It is expected that the aim of all teams is to play a fair and clean game.

Round 1 (Elimination Round)

**TAKE OFF AND LANDING:**

* The quad copter has to take off from one location and you have to make it land at a specific circle 20 feet away from the take-off zone. Your location shall be static and you are not allowed to move during the operation.
* The performance will be judged on the basis of the time taken from take-off to landing within the specified circle.
* Teams unable to complete the task will be eliminated.
* You will be given two chances to perform the task, the best of two will be considered.

**Round 2 (Elimination Round)**

**Drag Race**

* Time to show your flying skills, get, set, fly.
* During this stage the Quad-Copter will have to travel through the small gaps in the various hurdles. This round is time sensitive and a maximum of two attempts will be provided.
* The top 8 teams to complete the circuit with the best timings will move to the final round.

Final Round

Show it up

* Nothing to show up here, lets meet in the finals with on set rules and regulations for finals.
* You just have to be the fastest in order to win the cash prize, and a lot of gift hampers.