

Wings 2023

Competition Title – Dronix

Rulebook

- A match is played by a single team in one go, with each team consisting of 1 Drone.
- An individual may participate or construct a team of a minimum of 2 and a maximum of 4 members. Any institution (School/College/University/Vocational Institution) or group of students (within defined age), may form a team.
- Register team for the specified competition online on the official Wings website only.
- Construct a drone of 75cm*75cm*75cm (LxBxH) size and a maximum weight of less than 2Kg. the Drone fits the mentioned specifications as long as the design and construction are primarily the original work of the team.
- A ready-made drone kit is not acceptable, if found so, the team will be disqualified.
- Decision of judges will be final.

Drone Specifications

- Only Quad-Copters are allowed to play.
- The complete Drone (including Battery and landing gear) should be of length 75cm*75cm*75cm (LxBxH) and must weigh less than 2Kg.
- There is no restriction on the use of any frame material or specification of the BLDC Motors, Electronic Speed Controllers, Propellers, Batteries, and Weight of the Drone.
- The Drone must be electrically powered only.
- FPV and LOS both are allowed to Play.

The Arena

- The field area would be approx 1500 M²
- There are marked/specified regions/spots to take off and land the drone.
- Hurdles will be placed at different locations in the arena.
- Fields will have arrows marked to depict the maneuvering path.
- Specific checkpoints will be defined in the arena for changing the batteries, adjusting gains, calibration of sensors, etc.

- Time will be given to the teams for charging their batteries at the completion of every stage. The requirement of time of charging the batteries during the conduct of competition will not be entertained.

Participation Fees

For Individual or a team of 4 – 1000/-

For every extra member 250/- will be added

Accommodation

Accommodation will be provided in campus for free of cost.

Registration

[link:https://docs.google.com/forms/d/e/1FAIpQLSfr9DjG8U1q1_QFwplknfY9KftIAKD8QRmDXwimWOp1nwYOg/viewform?usp=sf_link](https://docs.google.com/forms/d/e/1FAIpQLSfr9DjG8U1q1_QFwplknfY9KftIAKD8QRmDXwimWOp1nwYOg/viewform?usp=sf_link)

Contact –

Head Coordinator Dronix –

Lokesh Chaudhari – 9422627685

Jagruti Tuse - 7719811994