



**MADRAS INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF AEROSPACE ENGINEERING  
ASSOCIATION OF AERONAUTICAL ENGINEERS**

**DRONE CHAMPIONSHIP MEGA EVENT**

**09/04/2023 – Venue: MIT- OAT – Time: 10:30 AM**

**Size specifications**

- Size: (Tip to Tip measurement)
- Max: 40 × 40 cm
- Min: 20 × 20 cm
- Wing type: Only Rotary
- Max Take-off weight: 2.5 kg
- Minimum endurance: 10 to 15 minutes

**Mandatory specifications**

- All the rotor arms must be fitted with LED lights.
- First pilot view (FPV) is not recommended.
- The radio telemetry should be 2.4 GHz.
- The video telemetry should be of 5.8 or 2.4 GHz.
- Markings for the head of the drone must be done by the participant.

## **RULES AND FORMAT for DRONE RACING**

- A team of max. 3 members is allowed.
- A total of 4 rounds will be held.
- It may be subjected to vary depending on the number of participants.
- The pilot should remain stationary throughout the drone drive.
- Also, no participants are allowed inside the arena.
- The participants shall be initially awarded 10 points each.
- The task is to not lose your points.
- Points shall be penalised for touchdown, dash on the obstacle, line cross, skipping the obstacle.
- A perfect landing will be awarded with a bonus point.
- The team with maximum points in their bucket at the end shall be declared the Winner.
- The teams are strictly instructed to follow the safety rules, failing to do so may lead to disqualification.
- The organizing team holds all the right to change any or all rules, condition declared according to anyone. If any fraudulent behavior from any team is noticed in terms of model specifications or wrong information provided by any other the organization hold the power to disqualify or deregister the team without being answerable to anyone. You are advised to keep a pair of charged batteries. Any change in problem statement would be notified to the participants. Decision of organizers will be final and binding on all. The organizers are not responsible for any damage to the quad copter caused during the race.

**ENTRY FEES:** Rs. 1500 per team

**PRIZES WORTH Rs. 25,000/-**

### **CONTACT :**

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