FLIGHT 2025

MADRAS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF AEROSPACE ENGINEERING
ASSOCIATION OF AERONAUTICAL ENGINEERS

<u>DRONE RACING EVENT</u>

Date: April 6, 2025

Time: 9.00 am to 4.00 pm

Venue: HANGER 1

<u>Description:</u>

Experience the Ultimate Drone Racing Challenge in this high-stake event as skilled pilots compete against time with speed and precision. As clock ticks, the competitors must navigate their drone through the toughest obstacle, sponsored by **Jet Aerospace**, while avoiding the penalties, to mark the fastest time stamp and score maximum points to win the competition.

This event provides a unique platform to forge connections with fellow drone enthusiasts, as its open to both professionals and beginners who can tap into the expertise of industry professionals, and explore the innovative designs and strategies pushing drone racing to new heights. This competition aims to test the speed, precision, control and navigation strategy of the pilot.

General Rules for the Event:

1. A team of max 3 members is allowed.
2. A total of 3 rounds will be held. May vary depend on number of teams participating.
3. Participants must bring their own drone based on the specified limit below and other accessories (Also repair kits if required)
4. The teams should strictly follow the safety rules, failing to do so may lead to disqualification.
5. The pilot should remain stationary throughout the drone drive.
6. A maximum of 10-15 mins is given as repair time during the race only for replacing the broken propeller blades.
7. Participants are required to keep a pair of charged batteries and propeller blades.
8. Participants are responsible for their things and accessories. **Organizers is not responsible for loss of property.**

Drone Specifications:

1. Size: (Tip to tip measurement)
2. Maximum: 40 x 40 cm
3. Minimum : 15 x 15 cm
4. Drone type: Only rotary
5. Max Take-off weight: 2.5 kg
6. Minimum endurance: 10 to 15 mins
7. FPV is not allowed
8. Marking for the head of the drone must be done by the participant.

ENTRY FEE: Rs.1500 per team

Note: If any fraudulent behaviour 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.

If the registration is less than 8 teams only half the prize pool will be opened.