



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



*P*RESENTS

★ PRIZES WORTH 20K ★

★ ENTRY FEE RS.1750/- ★

FOR MORE INFO



SCAN TO REGISTER



# FLIGHT'26 RC PLANE COMPETITION

JOIN US ON 22  
MARCH 2026 10AM  
AT MIT ANNEXE

FOR QUERIES CONTACT,  
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# **FLIGHT'26**

**MADRAS INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF AEROSPACE ENGINEERING**

**PRESENTS**

**RC PLANE COMPETITION**

**RULEBOOK**

**ENTRY FEE: RS 1750/- PER TEAM**

## 1. GENERAL RULES:

### 1.1 Eligibility

- The Competition is open to everyone
- Team size: 2 to 4 members
- Technical specifications must be followed

### 1.2 Aircraft Specifications

- Readymade models are *not* allowed to compete
- Only electric powered airplanes are allowed
- Aircraft must have single motor configuration
- Hand launch is permitted
- Wingspan should *not* be more than 1.5 m
- Thrust to weight ratio should *not* be greater than 1.2
- Aircraft should *not* weigh more than 2 kg
- Team is responsible for their own equipments including spare parts and batteries
- Any type of programming assistance in the receiver is *strictly prohibited*
- RC models will be allowed to fly after a technical inspection

## 2. COMPETITION FORMAT:

### ROUND 1: Time flight and glide test

- Stay airborne for a set minimum time, then glide as long as possible before landing

- Pilots must fly for at least 50 seconds before gliding. Once time is up, they must cut the throttle power and glide for as long as possible
- Base points for completing the flight time
- Bonus points for longer gliding time

### **ROUND 2: Payload transport test**

- Carry a 150g payload from Point A to Point B as fast as possible
- Payload must be securely attached throughout the flight
- The mission will be timed and points will be awarded based on that

### **ROUND 3: Spot landing and Basic Maneuvering**

- Pilots are expected to land at the designated area
- Landing closer to the center yields better scores
- Bonus points will be awarded for performing basic maneuvering(barrel roll, snap roll etc.)

### **3. RESULTS:**

- Decision of judges and organisers are final
- Cash prizes worth RS 20,000/- will be awarded
- Participation certificate will be provided to all participants

For any queries contact,

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