



## **FLIGHT 2025**

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

### **AIRCRAASH INVESTIGATION**

**APRIL 06, 2025**

**10:00 AM- 04:00 PM**

### **DESCRIPTION:**

Step into the high-stakes world of air crash investigation with our immersive event, where participants become crucial members of an investigation team tasked with solving a mock air crash. This challenge is perfect for those who love analytical thinking, teamwork, and have a fascination for aviation safety. Participants will be organized into teams; each assigned the critical role of investigating a simulated aviation disaster. Through realistic scenarios and meticulously crafted evidence, teams will navigate the complexities of air crash investigations, testing their analytical skills, teamwork, and attention to detail.

## **KEY FEATURES:**

1. **Simulation Scenario:** Immerse yourself in a hyper-realistic simulation of an air crash including cockpit voice recordings, black box recordings, witness statements, flight maintenance logs and more.
2. **Team Collaboration:** Formulate strategies, assign roles, and work collaboratively with your team to reconstruct the timeline of events leading up to the crash.
3. **Forensic Analysis:** Engage in hands-on activities involving forensic analysis of debris, examining cockpit instruments, and interpreting flight data to uncover the root cause of the disaster.
4. **Presentation Challenge:** Once the investigation is complete, teams will be required to present their findings, conclusions, and recommendations to a panel of judges, mirroring the real-life process of delivering investigative reports.
5. **Real-world Lessons:** Gain valuable insights into aviation safety protocols, accident prevention measures, and the importance of interdisciplinary collaboration in the field of air crash investigation.

## **EVENT SCHEDULE:**

The event takes place in three consecutive rounds, with gradually increasing difficulty level, to finally come up with a theory of the causes and influences of the plane crash, which will be judged and given appropriate scores.

## **RULES AND CODE OF CONDUCT:**

1. **Team Composition:** Minimum 1 to Maximum 5 participants per team
2. Participants are expected to maintain a professional demeanor throughout the event. Any form of cheating, plagiarism, or unsportsmanlike conduct will result in disqualification.
3. **Use of Resources:** Participants may use only the materials and resources provided

by the event organizers. Personal electronic devices (phones, tablets, etc.) are strictly prohibited during the Investigation phase.

4. **Presentation Guidelines:** Each team will have a specific time limit for presenting their findings, conclusions, and recommendations. Presentations should be clear, concise, and focused on the investigative process and outcomes.

5. Teams or participants found violating the rules or engaging in any form of misconduct may be disqualified from the event.

6. Good sportsmanship is expected from all participants. Respect for fellow participants, organizers, and judges is paramount

**7. All information provided by event organizers, including simulation scenarios and evidence, is confidential and may not be shared outside the event.**

**8. Judges' decisions are final.**

### **JUDGING CRITERIA:\**

Evaluation based on:

1. Investigative process
2. Attention to detail
3. Technical expertise
4. Quality of presentation.

***PARTICIPATION CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS***

**REGISTRATION FEE: INR 200/- per Head**

**PRIZE POOL: INR 3000/-**

**For any queries, contact:**

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