



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



presents

FLIGHT'26

AIRCRAASH INVESTIGATION



22 MARCH 2026



9:30 AM- 3:00 PM



MIT

**PRIZE POOL
WORTH 3K**

Registration Fee : ₹99



**SCAN HERE
TO REGISTER**



**FOR MORE
INFO**

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AIRCRAASH INVESTIGATION

INTRODUCTION AND DESCRIPTION

The Air Crash Investigation - "Decode the Black Box" is an interactive technical event that introduces participants to aircraft systems, incident analysis, and structured troubleshooting methods used in aviation. The workshop combines learning with competition, allowing participants to think like real investigators and aviation engineers. In Round 1, teams will analyze a simplified real-world aircraft incident report, examining aircraft specifications, weather conditions, flight phase, pilot inputs, system warnings, and operational data to identify the probable cause, contributing factors, and corrective measures. In Round 2, participants will work with older flight simulations and cockpit voice recordings to troubleshoot in-flight system anomalies, interpret crew decision-making, and propose technical and procedural solutions. This round focuses on diagnosing problems, evaluating responses, and applying logical reasoning rather than analyzing accidents. The event is designed to strengthen analytical thinking, teamwork, decision-making under pressure, and systematic troubleshooting skills essential in aviation and engineering fields.

OUTCOMES

1. Develop understanding of aircraft systems, operations, and aviation safety principles.
2. Enhance analytical skills to investigate incidents and identify causes and contributing factors.
3. Strengthen logical reasoning and systematic troubleshooting through simulation-based problem solving.
4. Improve teamwork, communication, and decision-making under time-constrained technical scenarios.

SCHEDULE

TIMING	EVENT
09:30 AM - 10:00 AM	Introduction
10:00 AM - 11:15 AM	Round-01
11:15 AM - 12:30 PM	Round-02
12:30 PM - 01:25 PM	Lunch break
01:25PM - 03:30 PM	Round-03

"BOOKLETS AND REPORTS OF AIR CRASHES WILL BE PROVIDED". PARTICIPATION CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS

REGISTRATION FEE: INR 99/- PER HEAD (LUNCH WILL BE PROVIDED)

FOR ANY QUERIES, CONTACT:

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FROM THE INVESTIGATION ARCHIVES

