



FLIGHT 2025

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

**COMPOSITE WORKSHOP
(APRIL 5 - APRIL 6)**

INTRODUCTION:

Composites have become indispensable across numerous industries due to their exceptional combination of strength, lightweight nature, and versatility. Their widespread use has ignited immense curiosity and enthusiasm among engineers, driving innovation and expanding their applications in everyday life. From aerospace and automotive to construction and renewable energy, composites play a vital role in enhancing efficiency, reducing weight, and meeting sustainability goals. Furthermore, advances in technology continue to refine their properties, making them even more adaptable to modern engineering challenges. While composites may experience minor wear or degradation over time under extreme conditions, ongoing research and development are addressing these issues to ensure their long-term performance and reliability.

DESCRIPTION:

DAY 1 (Fabrication):

The first day is dedicated to the fabrication of composite samples. Participants will learn various manufacturing techniques, including layering, moulding, and curing processes, essential for creating strong and lightweight composite materials.

DAY 2 (Testing):

We will focus on testing of composite structures whose fabrication is already illustrated and done on the previous day.

SCHEDULE:

TIMING	EVENT
APRIL 5 - 10:00 AM – 4:00 PM	FABRICATION OF COMPOSITE
APRIL 6 - 10:00 AM – 3:00 PM	TESTING IN UTM

OUTCOMES :

By the end of the workshop, participants will:

- Acquire the knowledge and skills to assess, repair, and maintain composite structures, ensuring their long-term performance and safety.
- Gain in-depth knowledge on composites and learn to fabricate composites.
- Hands-on experience in fabrication of composite material.

KIT WILL BE PROVIDED

PARTICIPATION CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS

REGISTRATION FEE: INR 250/- per head

For any queries, feel free to contact:

1. ADHITHYA R

Phone: 80721 77595

2. SIBINESH R V

Phone: 9344153669

3. HARINI R

Phone: 8754674649