



MADRAS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF AEROSPACE ENGINEERING
ASSOCIATION OF AERONAUTICAL ENGINEERS
COMPOSITE WORKSHOP DAY-1

APRIL 8

INTRODUCTION

Being widely used in various industries, composites have created a large and enormous need which in turn created a negligible curiosity and unquenchable thirst in the minds of the engineers. Due to their unique combination of strength, light weight, and versatility, composites make their way through every nook and corner of our day-to-day needs. However, despite their many advantages, composites are also susceptible to damage and degradation over time.

DESCRIPTION

Therefore, in this workshop, a detailed overview of the properties of the composites along with their fabrication techniques. The fabrication of the composite is to be done with three main techniques namely hand layup, vacuum bag molding and compression

molding. Also, in addition to the demonstration, hands-on experience is to be given on the fabrication of the composites using the hand layup technique.

SCHEDULE FOR THE DAY

09.00 am - 09.45 am	Inauguration
09.45 am – 11.15 am	Introductory lecture on the overall view of the workshop and advancements in composite material in various fields
11.15 am – 12.30 pm	Detailed lecture on composite fabrication and fabrication by hand layup process (Hands-on experience)
12.30 pm – 01.30 pm	Lunch break
01.30 pm – 02.45 pm	Fabrication of composite by vacuum bag molding
02.45 pm – 04.00 pm	Fabrication of composite by compression molding

KIT will be provided

The cost for attending any one of the workshop is ₹499 per participant and ₹799 per participant for both the workshops. This fee includes all materials, handouts, and resources provided during the workshop, as well as any refreshments or snacks that will be offered.

PARTICIPATION CERTIFICATES WILL BE PROVIDED TO ALL CANDIDATES.

OUTCOMES

By the end of this workshop, the students 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 and repair of composite material.

CONTACT DETAILS

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