



**FLIGHT-2022**

**MADRAS INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF AEROSPACE ENGINEERING**

**ASSOCIATION OF AERONAUTICAL ENGINEERS**

## **COMPOSITE WORKSHOP - DAY 2**

**MAY 14, 2022**

### **Introduction**

Chances are they're in your flooring, your walls, your car, and even your bathtub. They're called composites. But what exactly are composites? What are their uses and why do they matter? If you've got these questions looming in your mind or if you'd like some surprising examples of composite materials, then you've come to the right place.

### **Description**

Aerospace and defense are just two of the many market segments that will see a large increase in the use of composite materials. It has many advantages but keeping in mind the cost efficiency, the repair procedure of the composite is preferred over the replacement or recycling of the same.

The objective of this workshop is to introduce composite fabrication using vacuum bag method and provide hands-on experience in testing the composite using the Universal Testing Machine (UTM).

### **Schedule for the Workshop**

09.00 am - 09.45 am    Inauguration.

09.50 am - 10.55 am :    Demonstration of set-up and Fabrication of Glass fiber composite using VACUUM BAG method

11.00 am - 11.55 am : Lab visit including Equipments' lecture and Demonstration of composite testing using Universal Testing Machine(UTM)

12.00 pm - 01.00 pm : Lunch Break

01.05 pm - 03.45 pm : Hands-on experience in Testing of composites which were repaired in Day - 1 using Universal Testing Machine (UTM)

03.55 pm - 04.05 pm : Vote of Thanks

**Kit will be provided**

## **Outcome**

On completion of this workshop, students will be able to :

1. Gain in-depth knowledge about composites and its fabrication process.
2. Hands-on experience in repairing and testing the composite material.

## **Contact Details**

For any queries regarding the event, feel free to contact the organizers.

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