

A.Y: 2022-23

REPORT

Title of the program:	In-House Hands-on Training Program on Composite Manufacturing, Wagner Beam Testing, and NDT Operations
Faculty Coordinator	Mr. S. Indrasena Reddy
Participants:	Non-Teaching Staff
Event Type:	Hands-on Training Program
Number of Days and Date:	05 Day (17 th & 21 st April 2023)
Resource Person	Mr. S. Indrasena Reddy Sr. Assistant Professor
	Mr. Nazumuddin Shaik Sr. Assistant Professor
	Mr. Shaik Jilani, NDT Inspector SITS NDT Kakinada,
Summary of the Event:	The five-day hands-on training program provided non-teaching staff with practical exposure to composite manufacturing processes, Wagner Beam testing procedures, and NDT operations, including PT, UT, MT, and RT techniques. The program enhanced their technical skills in laboratory operations, quality inspection, and aerospace structural testing.
Outcome from the Event:	The schedule of the program includes the following. DAY 1 Introduction to Composite Materials, Mold Preparation, Hand Lay-up Process, and Practical Sessions. DAY 2 Vacuum Bagging Techniques, Curing Process, Composite Component Fabrication, and Practical Demonstrations.

	DAY 3 Introduction to Wagner Beam Testing, Structural Analysis, Experimental Testing, and Applications. DAY 4 Introduction to NDT, PT, and UT Seminar (Morning Session), Practical Training (Afternoon Session). DAY 5 MT and RT Seminar (Morning Session), Practical Demonstrations (Afternoon Session), Conclusion.
Feedback Taken from Participants:	They appreciated the practical exposure to composite manufacturing, structural testing, and NDT inspection methods. The training improved their confidence in handling laboratory equipment and supporting aerospace laboratory activities.
Action Plan:	The department plans to conduct advanced training programs on composite structures, structural health monitoring, and advanced NDT techniques to further strengthen the technical capabilities of non-teaching staff and support departmental laboratory activities.

Photos of the Event

