



## DEPARTMENT OF AEROSPACE ENGINEERING

### Report for Memorandum of Understanding (MoU) Signing Ceremony along with a Technical Seminar on “Advanced Manufacturing Techniques for Aerospace Composites: 3D Printing and Beyond”

Name of the Event	:	Technical Seminar
Resource Person	:	Mr. R. Veeramanikandan, Executive Director, Manschaft Engineering solutions Pvt, Ltd., Puducherry.
Date & Time	:	08.11.2024 & 11.00 AM
Venue	:	Seminar Hall.
No. of Participants	:	100 Students.

#### About the Technical Seminar

The technical seminar titled “Advanced Manufacturing Techniques for Aerospace Composites: 3D Printing and Beyond” and Memorandum of Understanding (MoU) Signing Ceremony were organized to enhance the knowledge of Aerospace Engineering students. The program was started at 11.00 am with the welcome speech by student representative Ms. Akshatha P S, III-year student, the Invocation Song sung by Srisha S, II year and Likitha S, III-year student introduced the resource person and the Principal, ACSCE greeted the resource person with the memento. The resource person handled an interactive session about the providing global exposure in the field of composite materials and structures. The resource person concentrated on highlighting the following points:

- Discuss criteria for selecting composite materials for aerospace structures, including considerations such as load-bearing requirements, environmental resistance, and manufacturability.
- Introduce the role and significance of composite materials in the aerospace industry, explaining why they are critical to modern aircraft and spacecraft.
- Provide an in-depth explanation of the mechanical, thermal, and electrical properties of aerospace composite materials, including common matrix and reinforcement materials (e.g., carbon fiber, glass fiber, epoxy, and thermosets).
- Discuss the challenges faced in aerospace composite manufacturing, including issues such as voids, delamination, repair, recycling, and the integration of composites with traditional metal components.



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### ACS COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi Approved by AICTE, New Delhi & GoK

#### DEPARTMENT OF AEROSPACE ENGINEERING

*In Association with ASSC Students Chapter Organizing*

#### Memorandum of Understanding (MoU) Signing Ceremony

Along with a Technical Talk on  
"Advanced Manufacturing Techniques for  
Aerospace Composites: 3D Printing and Beyond".



**Resource Person :**  
Mr. R. Veeramanikandan  
Executive Director  
Manschaft Engineering solutions  
Pvt. Ltd. Puducherry.



Date : 08/11/2024 Time: 11 am  
Venue : IV Floor Seminar Hall

Dr. S. Vijayanand, M.Tech., Ph.D  
Executive Director, RRG

Dr. S. Jeyabalan., Ph.D  
Special Officer, RRG

Dr. A.K. Mariappan  
Rector, ACSCE

Dr. Anandthirtha B Gudi  
Principal, ACSCE

Dr. S. Usha  
Vice-Principal

Dr. P. Theerthamalai  
Dean, COE

Dr. C. Suresh  
HOD, Dept. of Aerospace Engg.

Faculty Coordinator :  
Dr. E. Elavarasan

9008545678

www.acsce.edu.in

No. 207 Kambipura, Mysore Road,  
Bangalore - 560 074

#### Gallery

