



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.



DEPARTMENT OF AEROSPACE ENGINEERING

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ACS COLLEGE OF ENGINEERING

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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.
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