Third Edition of the
Short-term Training Program on
Design for Additive Manufacturing
2024

Mode: **Only offline**
STTP Dates: **13 to 17 May 2024**
Venue : **Smart Manufacturing Lab, Department of Mechanical Engineering, IIITDM Kancheepuram**

Last date for registration: **10th May 2024**
Registration Fee: **Rs.7000**
(Students, Faculty and Industry Professionals)

Design is the primary step for any manufacturing activity. Proper design with manufacturing knowledge shortens the product development life cycle. Design for Manufacture and Assembly (DFMA) is typically meant for designers to eliminate manufacturing difficulties and minimize manufacturing, assembly and logistics costs in conventional manufacturing methods by tailoring the design. Whereas, Additive Manufacturing (AM), often simply called 3D printing, provides nearly unrestricted freedom to design parts. It offers designers and manufacturers the ability to produce shapes and designs that would be impossible to produce using conventional manufacturing technologies such as molding or machining. Designing products for layer based Additive Manufacturing (AM) is gaining importance as AM opens-up new possibilities for optimized design.

Aim and Objective

This third edition of the event focuses on DfAM methods that identifies opportunities for increased complexities in design. The aim of the workshop is to understand the newfound design freedom in Additive Manufacturing and optimizing the existing design using various tools. Faculty, Research scholars, Postgraduate /Graduate students from various institutions and delegates from the industries can register for the program. An understanding of various design methods, and computer - aided design are the prerequisites for attending the program.

Topics
- Restrictive DfAM
- Opportunistic DfAM
- Mass Customization
- Generative Design
- Topology Optimization
- Light-weighting Structures
- AM materials & process capabilities
- Multi-materials and Hierarchial Structures
- Functionalization of Design

The program also includes hands-on training of various software tools related to DfAM.
Registration fee excludes 18% GST.
Use the form to register for the event: **https://forms.gle/3PBtVYcmSonVwRWDA**
For Payment instructions **Click Here**

Total number of seats available is limited to 40.
For further information contact Mr. Murugesan M at 8778034980/ 7598336219.

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