



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY  
DESIGN AND MANUFACTURING  
KANCHEEPURAM

AI has become quintessential tool to optimize and generate designs for increased functional integration, product structure, part geometry and high stiffness designed materials. Today's designers and engineers are tasked with burden of nuanced understanding of the algorithms & methods for AI-enabled design for AM (AI-DfAM).

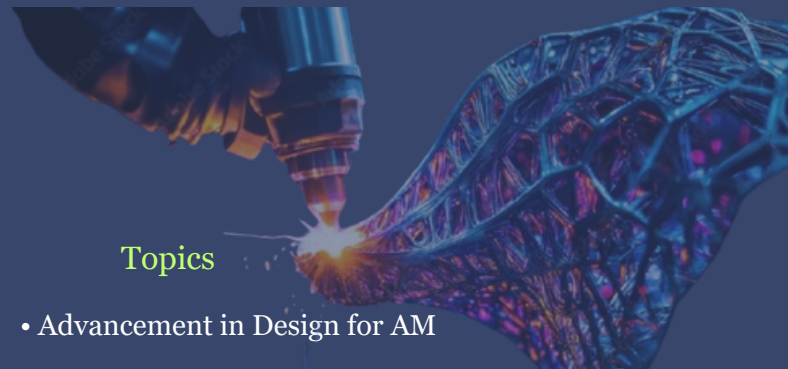
This course provides a practical approach to understanding of applied design principles and algorithms to optimize existing design or generate a whole new design with fraction of cost compared to conventional design/redesign practices. Automotive, Aerospace, Healthcare and Consumer electronic industries are embracing this new trend design freedom using AI-DfAM tools and techniques.

The participants of this workshop will learn to adopt the best practices to focus early problems in design for AM but also exploit the degree of design freedom with metal and polymer AM processes.

### Organizer

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# SHORT-TERM TRAINING PROGRAM (STTP) ON AI ENABLED DESIGN FOR ADDITIVE MANUFACTURING DfAM STTP SERIES IV ( ONLINE )



### Topics

- Advancement in Design for AM
- Generative AI and Hyper Customization
- Enhancing Topology Optimization Using AI
- Artificial Intelligence Driven Light weighting
- Designed AM materials and process capabilities
- Multimaterials, and Hierarchical Structures.

Last Date For

Registration	: 12 July 2025.
STTP Dates	: 14 - 25, July 2025.
Mode	: Online
Registration Fee in ₹ (including 18% Gst )	
Students (UG/PG/Research)	: ₹ 1,770
Faculty	: ₹ 3,540
Industry Professionals/Others	: ₹ 8,260

Website

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