

Design for Additive Manufacturing

Date : 1 June to 11 July, 2020

Venue : BIEC, 10th Mile, Tumkur Road, Madavara Post, Bangalore

Last date for registration 25 May 2020

**Early Bird Offer : Avail 10% concession by registering and paying online
on or before 17 May 2020**

INTRODUCTION

Additive manufacturing technology acquires significance in the manufacturing industry for enabling product making as end to end solutions without any design boundaries for both manufacturing and assembly. It allows engineers to accomplish more than what they would through traditional manufacturing techniques. Hence many stakeholders in manufacturing industry are increasingly incorporating additive manufacturing technology in their low volume production.

3D printing technology penetrates new horizons, industries are confronted with the primary challenge of employing skilled workforce to use this technology. There is a dearth in finding skilled technicians/engineers having the knowhow of additive manufacturing.

IMTMA, to plug the gaps, considering the roles they are supposed to play in the additive manufacturing industry, has embarked upon training the engineers by handholding them through actual workshop processes on Additive Manufacturing

FOCUS AREAS

- Fundamentals of Mechanical Engineering
- Drafting standards, Limits, Fits, Tolerance and GD&T
- Introduction to Additive Manufacturing
- Basics of 3D printing process and machines
- Introduction to SLA, FDM, SLM
- Introduction Metallurgy, Analysis & Powder management for Additive manufacturing
- Design For Additive Manufacturing (DFAM)
- Topology Optimization for 3D Printing
- Optimization of support for 3D Printing
- Optimization of part orientation for 3D printing
- 3D printing Machine Operation and Programming
- Post-processing - Heat treatment process for printed parts
- 3D part qualification - Metallurgical analysis

KEY TAKE AWAYS

- Additive Manufacturing Technology
- Popular Engineering Materials for AM
- Part Design for 3D Printing
- CAD and Analysis software
- Training on 3D printing machines
- Placement support for fresh engineers at AM Industry

PARTICIPATION FEE

Rs. 75000/- +18% GST IMTMA Members / Micro Companies	Rs. 85000/- +18% GST IMTMA Non Members/ Others	Rs. 60000/- +18% GST Educational Institutions / Students	Rs. 71250/- +18% GST 5 % IMTMA Members / Micro Companies	Rs. 80750/- +18% GST 5 % IMTMA Non Members/ Others	Rs. 67500/- +18% GST 10 % IMTMA Members / Micro Companies	Rs. 76500/- +18% GST 10 % IMTMA Non Members/ Others
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Group Concession : 5% for 3 to 5 and 10% for 6 and more delegates being nominated from the same company

For Registration Contact

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Contact Address

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.

Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.