

Last date for registration 02 May 2020

INTRODUCTION

The course is structured with introduction to Design fundamentals and more focused on machine tool design. A complete Design of metal cutting Special Purpose Machines will be carried out from concept to finish. Pre-process activities like design input, conceptualization, machine specification, 3D modeling of parts, sub-assemblies and final assembly using popular design CAD tools and preparing the final manufacturing drawings in par with industry standards, Design for Accuracy, Design for Manufacturing and Design for Assembly will be addressed during the course. It will be highly interactive and hands on training session and covers entire 360° view on machine tool design

FOCUS AREAS

- Machine design fundamentals
- Introduction to CNC machine tools
- Design of metal cutting Special Purpose Machine - Project
- Overall design concept, Machine specification
- Training on CAD Tool - Autocad and Solidworks
- Design of Spindles & work holding
- Design of CNC Axes & Hydraulic Slides
- Introduction to Electronics and Electrical for Mechanical
- Design of machine structure and analysis
- Design of coolant system and lubrication system
- Hands on Experience on FEA Tool
- Industry Visits

KEY TAKE AWAYS

Facilities

- Advanced CAD Laboratory & Digital Classroom
- Industry Experienced Faculty
- AUTOCAD, SOLIDWORKS, CREO, E Plan & HyperWorks
- Hands-on Training Session
- Complete Design Project as an exercise
- Hydraulic And Pneumatic Teaching Modules
- IMTMA Certification & Placements
- Real-time CNC Machine tools for demo
- Industry visit for orientation

PARTICIPATION FEE						
Rs. 65000/- +18% GST IMTMA Members / Micro Companies	Rs. 75000/- +18% GST IMTMA Non Members/ Others	Rs. 50000/- +18% GST Educational Institutions / Students	Rs. 61750/- +18% GST 5 % IMTMA Members / Micro Companies	Rs. 71250/- +18% GST 5 % IMTMA Non Members/ Others	Rs. 58500/- +18% GST 10 % IMTMA Members / Micro Companies	Rs. 67500/- +18% GST 10 % IMTMA Non Members/ Others

For Registration Contact

Nagraj Hamilpure  
Programme Coordinator  
9881616902  
[n.hamilpure@imtma.in](mailto:n.hamilpure@imtma.in)

Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION  
12/5, D-1 Block, MIDC, Chinchwad,  
Pune-411019  
Board Line : +91 7066030531 / 532



**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.