



Last date for registration 30 March 2020

INTRODUCTION

The course is structured with an 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 the entire 360° view on machine tool design aspects

FOCUS AREAS

- Engineering Fundamentals
- Drafting standards for Manufacturing drawings
- CAD - SOLIDWORKS, PTC-CREO, INVENTOR & AUTOCAD
- Design of Machine elements
- Limits, Fits, Tolerance and GD&T
- Introduction to CNC machine and cutting tools
- Engineering materials and Heat treatment
- Design of CNC-General Purpose Machine
- Engineering calculation for power, torque, stiffness and life
- Hydraulics and Pneumatics
- Electrical & Electronics for Machines
- Hands-on training on Machine assembly
- Design validation through FEA
- Design competition for best performer award
- Industrial Visits

KEY TAKE AWAYS

- Knowledge in Machine Design Basics
- Knowledge on the design of machine elements
- Drafting of manufacturing drawing & assembly drawing
- Knowledge in machine design standards
- Hands-on experience in Machine Tool design - GPM
- Knowledge in a systematic design approach
- A Certificate of participation will be issued to participants

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 / Individual

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

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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.