

Last date for registration 29 July 2024

INTRODUCTION

The course is structured with introduction to Design fundamentals and more focused on machine tool design. A complete design of CNC Turning center 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 aspects.

FOCUS AREAS

- Machine design fundamentals
- Introduction to CNC machine tools
- Design of machine tool (CNC Turning Center) - PROJECT
- Overall design concept, Machine specification
- Training on CAD Tool
- Design of Spindles & work holding
- Design of Axes & Slides
- Introduction to Electronics and Electrical for Mechanical Engineers
- Design of machine structure and analysis
- Design of coolant system and lubrication system
- Hands on Experience on CREO AND FEA - ANSYS

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

- Knowledge in Machine Design Basics
- Knowledge on design of machine elements
- Drafting of manufacturing drawing & assembly drawing
- Knowledge in machine design standards
- Hands on experience in Machine Tool design
- Knowledge in systematic design approach

PARTICIPATION FEE

Rs. 16500/-
+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 660/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

FACULTY

This programme will be conducted by **Mr. S.K. Gupta**.

Mr. S K Gupta is Former Asst. General Manager, Machine Design & Business Development, Tata Motors Machine tools division, Pune. He is an industry expert with over 37 years of rich experience in Design & Development of General purpose & Special purpose Machine tools.

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.