Manufacturing Technology Training
An IMTMA initiative

FINISHING SCHOOL IN PRODUCTION ENGINEERING
Date : 28 April to 26 May, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

Indian Machine Tool Manufacturers' Association is organizing an exclusive hands-on training course namely **"Finishing School in Production Engineering"** at IMTMA Technology Centre, Bangalore.

This 4-week course will be very much suitable for fresh recruits. They are trained in the latest manufacturing practices with major topics covering Engineering drawing, Limits, Fits & Tolerances, GD&T, Process planning, selection of cutting tools & machining parameters, CNC Programming, CNC machine operations/ machining in Turning & Machining centers, Measuring instruments, CMM and work holding accessories. **Thus, the trainees are well prepared to serve manufacturing industries right from day ONE.**

Fresh Mechanical Engineering students who had completed this course could also perform exceptionally well in interviews and many of them get recruited in industries including **Ace Micromatic, Bharath Fritz Werner, Cadem Technologies, Insight Technologies, Jyoti CNC, Kennametal India, Kirloskar Toyoda Textile Machinery (KTTM), Marposs India, Maini Precision, Otto Bilz, Sansera Engineering, UCAM India, Taegutec India, Titan, Toyota Kirloskar Auto Parts, Toyota Industries Engine India Pvt. Ltd., Yuken, Zoller, etc.**

FOCUS AREAS

- Manufacturing Drawings including Interpretation
- Workshop practices on conventional machines
- Limits, Fits, Tolerances, GD&T, Surface Roughness: Importance in Manufacturing
- Various Machining processes and cutting parameters
- Dimensional Metrology and Measuring Instruments
- Types of engineering materials, properties, and Heat treatment processes
- Process Planning for Manufacturing
- Work holding and Fixturing
- Cutting Tools and Tool Holders for various metal-cutting processes
- Hands-on practice in CNC Turning and Machining centers
- CNC Programming: Basics and advanced
- Dimensional and Geometric Tolerances: Measurement & Quality Control
- Hands-on practice in measuring instruments
- Hands-on practice in Tooling, Work Holding, and other accessories
- Introduction to statistical process control (SPC)
- 5S concepts and Autonomous Maintenance (JH) – one of the main pillars of TPM
- Soft skills development
- Presentation Skills, E-mail etiquette
- Project work: complete procedure for converting a DRAWING to PART
- Overview of I4.0 in a production shop
- Assessment through the presentation, test, viva, and practicals

KEY TAKE AWAYS

After undergoing the program, the participants will gain:

- Comprehensive Hands-on knowledge of production to despatch
- Gain Confidence and competitiveness to be a successful production engineer
- Exponential career growth in manufacturing industries
- In-depth understanding of CNC machines and their aggregates
- Thorough knowledge of CNC programming and its optimization for higher productivity
- Confident to take the right decisions on machines, processes, tools, and fixtures based on process planning
- Collaborative working skills with people, machines, and process
- A complete insight into Computer Integrated modern Manufacturing environment
- Ability to develop process plan for machined parts
- Practical inputs about the selection of tools & cutting parameters for various CNC machining operations
- Practice in Measuring instruments and equipment for quality control of parts

PARTICIPATION FEE

Rs. 48000/-	Rs. 32000/-	USD 1920/-
+18% GST	+18% GST	Overseas Participants
IMTMA Members/ Micro Companies/ IMTMA Non Members/ Others	Individuals/ Educational Institutions / Students	

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

PARTICIPANT PROFILE

- Engineers/supervisors from manufacturing industries, responsible for productivity and quality improvement.
- New recruits/trainees in manufacturing industries.
- Fresh Mechanical Engineers after completion of their Degree / Diploma in Mechanical or allied disciplines.
- Pre-final year engineering students from Mechanical or allied disciplines.
- Design engineers who are willing to have a strong foundation through hands-on training in the latest manufacturing practices

FACULTY

This program will be conducted by **Mr. Preetham B M.**

Mr. Preetham B M is having over 24 years of experience in the industry, in the field of manufacturing of precision components for Nuclear, Aerospace & Automation industry. He has acquired expertise in the application and use of GD&T principles in precision manufacturing of components as well as experience in conducting training programs. He has imparted training in CNC, CAD/CAM, CMM & GD&T for more than 1500 engineers. Has conducted more than 30 batch of Finishing school. Trained industry professionals from TVS, Ceratizit India, Ashok Leyland, Kennametal etc. Prior to working at IMTMA, he has worked at Avasarala Technologies Limited, as Assistant Manager, in the field of machining the precision components using CNC machines. Components manufactured for prestigious projects like Centre for Advanced Technology (BIGBANG test), ITER which is expected to be operational in the year 2030 at France. He was deputed to M/s Kimberly Clark Corporation's KIMTECH plant at Neenah, Wisconsin state, United States of America for one year to understand their best manufacturing practices. At IMTMA, as Assistant Director, his role is to impart hands-on training for manufacturing professionals.

For Registration Contact
Preetham
Programme Coordinator
9845648940
preetham@imtma.in

Contact Address
INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
@ BIEC, 10th Mile, Tumkur Road, Madavara Post,
Bangalore - 562 123
Tel : 080-66246600
Fax : 080-6624-6658

imtmatrainning.67038796@hdfcbank

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.