Manufacturing Technology Training
An IMTMA initiative

Essential Information for Manufacturing Professionals and CNC Programming
Date : 24 to 28 March, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

Set-up time and cycle time reduction, increased accuracy on components, deskilling the job setting operation are the obvious advantages of a good fixture. Competence in work holding & fixturing differentiates excellent organizations

Lack of knowledge in Surface plating and protection technology leads to high rework and rejection rates in-house & as well as from outside vendors. To grab global opportunities, better quality will be the key. Hence this training program is aimed at educating and upgrading the existing workforce on plating techniques, which is going to be the need of the hour.

CNC machines have become the order of the day in every manufacturing industry. CNC machines are widely used in mass production units, batch production as well as in tool room industries. Thorough understanding of Programming and Operation of CNC machines is a must in order to realize the maximum output.

Keeping this in view, IMTMA is organizing an offline / classroom training on "**Essential Information for Manufacturing Professionals and CNC Programming".**

FOCUS AREAS

- Work holding and fixturing
- Surface treatment for machined parts
- Programming and operation of CNC Machining
- Fineries of machining
- Cycle time calculation of machining centres
- Introduction to SPC, TPM and 5S
- Overview of Industry 4.0
- Introduction to CAM programming
- Introduction to Macro Programming

KEY TAKE AWAYS

- Various types of fixtures for machining applications
- Understanding about macro programming
- Selection of elements for fixtures
- Learn Programming and Operation of VMC
- Work and tools set up in the machine.
- MDI commands and JOG movements.
- Program entry and simulation.

PARTICIPATION FEE

Rs. 12000/-
+18% GST
IMTMA Members/ Micro Companies/ IMTMA Non Members/ Others

Rs. 8000/-
+18% GST
Individuals/ Educational Institutions / Students

USD 480/-
Overseas Participants

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

PARTICIPANT PROFILE

This programme will benefit Machine shop engineers, technicians as well as fresh engineers aspiring to learn VMC programming and operation. A Basic knowledge on machining operations is essential.

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

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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.