

## INTRODUCTION

Set-up time and cycle time reduction, increased accuracy on components, deskillling 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
- Introduction to CAM programming
- Introduction to Macro Programming

## KEY TAKE AWAYS

- Various types of fixtures for machining applications
- 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. 9500/-**  
+18% GST  
**IMTMA Members/ Micro Companies/ Individuals/  
Educational Institutions / Students/ IMTMA Non  
Members/ Others**

**USD 380/-**  
**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. Yuvaraj Patil**.

Mr. Yuvaraj Patil is a mechanical engineer having more than 16 years of experience in CNC Machine Shop & Tool Room. He has worked with various companies – ASB International, Videocon, Menon & Menon and PARI. Additionally, he has 9+ years of experience in training engineers in CNC Machining area with hands-on practice. He has trained 2000+ Industry professionals in the CNC Machining area, Dimensional Metrology, and Inspection. And trained 400+ fresh graduate mechanical engineers in Production engineering for making engineers industry ready. Also, he has conducted the training program on Machining fundamentals, Dimensional Metrology, and GD & T for Sigma Electrical, Maruti Suzuki, Volkswagen, Mahindra and ENPRO.

### For Registration Contact

**Santosh Singh**  
**Programme Coordinator**  
9021442692  
[santosh@imtma.in](mailto:santosh@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmablr.com](mailto:enquiry@imtmablr.com)

### Contact Address

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

