



Last date for registration 04 December 2018

FOCUS AREAS

- Review of machining operations, engineering drawing and metrology
- Limit, Fits, Tolerances and surface roughness symbols
- Geometric Dimensioning and Tolerancing (GD&T)
- CNC Programming and CAD/CAM
- Programming & Operation of CNC Turning centre
- Programming & Operation of CNC Machining centre
- Process Planning for CNC Machined Parts
- Selection of Tooling and cutting parameters for CNC machining operations
- Optimisation of CNC Programming and parameters for cycle time reduction and productivity improvement
- Measurement & Quality Control of machined parts
- Soft skills development
- Project work and final test
- Hands-on practice in CNC Turning and Machining Centres
- Hands-on practice in measuring instruments
- Hands-on practice in Tooling, Work Holding and other accessories
- Visit to factories to observe what is learnt actually being practiced.

KEY TAKE AWAYS

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

1. To have complete insight in Computer Integrated modern Manufacturing environment
2. To understand Engineering Drawing and develop process plan.
3. To develop and optimise NC Programmes for CNC Turning and Machining Centres.
4. To do proper selection of tools & cutting parameters for various CNC machining operations.
5. To reduce cycle time and improve productivity / quality in CNC machining.
6. To handle measuring instruments and equipment for quality control of machined parts.

Training Methodology

- Training in a modern Machine shop.
- Class room sessions.
- Simulation.
- Hands-on training sessions on CNC Turning Centre & CNC Vertical Machining Centre.
- Hands-on sessions in CAD/CAM programming systems.
- Real time machining of components on CNC machines.
- Measurement practices on measuring instruments.
- Project work.

Facilities

IMTMA Technology Centre at Chinchwad, Pune is equipped with state of the art training facilities viz.

- CNC Vertical Machining Centre & CNC Turning Centre.
- Measuring instruments including height gauge.
- Touch probes for work set up and tools set up.
- Latest types of cutting tools and work holding systems.
- Cadem - CAPSturn & CAPSmill - CAD/CAM softwares.
- CAD/CAM softwares.
- Class room with computer work stations.

PARTICIPATION FEE

Rs. 36000/-

IMTMA Members / Micro Companies

Rs. 36000/-

IMTMA Non Members

+ 18% GST

Rs. 24000/-

Educational Institutions / Students/
Individual

Participant Profile

Fresh Mechanical Engineers after completion of their Degree / Diploma in Mechanical or allied disciplines.

Engineers / supervisors from manufacturing industries, responsible for productivity and quality improvement. New recruits / trainees in manufacturing industries

Pre final year engineering students from Mechanical or allied disciplines

Design engineers willing to have strong foundation thro hands-on training in latest manufacturing practices

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.