

Last date for registration 14 January 2026

## FOCUS AREAS

- Anatomy of CNC machines – Overview of various sub-systems of CNC Turning and Machining Centres.
- Systematic approach to diagnostics and problem solving.
- Circuit Diagram study – Electrical and electronic circuits
- Circuit Diagram study – Hydraulic, Lubrication and Pneumatic sub systems
- Maintenance aspects in CNC controllers
- Typical problems in Electrical and Electronic sub-systems; Safety aspects; Alarm messages, Alarm History and Operations History
- Maintenance aspects of drives and encoder
- CNC Parameters setting
- Demo and Group exercises in electrical circuit diagram study
- Demo of Do’s and Don’ts in CNC controllers
- CNC memory data backup

## KEY TAKE AWAYS

- After undergoing the programme, the participants will be able to learn -
1. How to carry out preventive and break-down maintenance of CNC machines
  2. Identifying faults in various components of CNC machines
  3. How to report faults correctly to the manufacturer
  4. Sub systems and circuits of CNC machines

## PARTICIPATION FEE

**Rs. 4999/-**  
+18% GST

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

**USD 200/-**  
**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 managers, engineers and middle management personnel involved in the functions of production and maintenance of CNC machines from machine tool, automobile and auto ancillaries, tool rooms, aerospace, defence & railway establishments, general engineering and other manufacturing industries.  
Note: Participants are expected to have a basic working knowledge of CNC Machines as the constructional aspects of CNC machines will not be discussed in detail in this programme.

## FACULTY

This programme will be conducted by Mr. Ramadas R. Nambi and other Industry experts from renowned manufacturers of CNC Control systems such as FANUC and Siemens.  
Mr. Ramadas R Nambi is an industry expert with over 30 years of experience in the area of CNC control systems, CNC machines, Industrial robots & Unmanned operation. Presentations will be accompanied by practical demonstrations and case studies. The workshop will be highly interactive where participants will be able to discuss specific problems in maintenance and solicit feedback from the expert faculty.

### 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.