

Greetings from CMTI

We are pleased to inform you that we are conducting a 02 day Non-Residential Training programme on “**Calibration of CMM & Machine Tool**”, course code **0325**

Highlights / Overview of the Program:

The purpose of this course is to provide practical training on the “Calibration of CMM & Machine Tool”. This course includes, CMM performance verification guidelines and accuracy tests (like E0, MPE, R0, MPL, P FTU, MPE etc) as per ISO 10360. These will ensure the performance conformance to the manufacturer's stated accuracies. The other part of CNC Machine Tool Calibration will enrich knowledge on calibration of machines based on various standards (e.g. ISO 230-2, VDI 3441) and parameters requirements.

Target Participants:

Personnel in Metrology, Inspection and Quality Assurance Depts.

Programme Schedule

It is 02 days Non Residential Training Programme scheduled during **22nd – 23rd February 2023**. The Programme will be held at Central Manufacturing Technology Institute, Bangalore

Participation Fees

Rs. 7,800/- plus GST @ 18%*, per participant. This includes Course Kit, working veg lunch, midsession tea.**

Course Fee can be paid through **NEFT / RTGS / Demand Draft**. Demand Draft to be drawn in favor of “Central Manufacturing Technology Institute”, payable at Bangalore and should reach CMTI one week before the actual date of commencement of the course.

Beneficiary for RTGS/NEFT

- a) **Name : Central Manufacturing Technology Institute**
- b) **GST No: 29AAATC2085K1ZJ**
- c) **Account No :10521862015**
- d) **Bank Name & Branch: State Bank of India, Yeshwanthpur Branch**
- e) **IFSC Code :SBIN0003297**
- f) **MICR Code : 560002055**

Additional Information:

1. A 10% rebate on course fee will be given to organizations nominating 3 or more participants for each programme, only if payment is made in advance, ten days before the commencement of the course.
2. Individuals/ Companies interested in participation are requested to fill in the enclosed Enrollment Form and submit at the earliest.
3. Participants are advised to proceed for the programme only after the nominations / Programme confirmed by us (by Fax / Letter / Phone / E-Mail).
4. Participants should report at CMTI on the day of commencement of the course. Participants are advised to reach Bangalore the previous day evening/ night.
5. Course will be conducted from 09:00 to 17:00 hrs. Participants may plan their return journey accordingly.
6. Participants will be given Certificate after the completion of the Training Programme
7. Enclosed are the tentative programme contents for ready reference
8. GST No. to be shared while sending your nomination / Registration (If a company is exempted from GST they have to provide GST Exemption certificate).
9. Please note that Course fee once paid will not be refunded. However, change in nomination will be permitted.

Note: * Taxes and other levies will be charged as per the prevailing rates at the time of Billing**

For further enquiries / registration / nominations, please contact:
Mrs. Asha R Upadhyaya, Scientist – F & Centre Head – AEAMT,
09449842686 / 78 Fax: (080) 2337 0428
E-mail– training@cmti.res.in

Central Manufacturing Technology Institute
Tumkur Road, Bangalore 560 022

Training Programme on
Calibration of CMM & Machine Tool

Tentative programme Schedule

Date	Topic
Day 01	Registration
	Introduction to Calibration
	Calibration of CMM as per ISO 10360 -2 & 5
	Demo I: Calibration of CMM as per ISO 10360 -2 & 5 <ul style="list-style-type: none">• Maximum permissible Error E_0• Maximum permissible Single stylus form Error $P_{(PFTU), MPE}$• Maximum permissible Scanning probing Error MPE THP etc.
Day 02	Concepts of Uncertainty of measurement
	Calibration of Machine Tools
	Demo II: Calibration of Machine tools <ul style="list-style-type: none">• Positioning.• Geometrical Accuracy etc.