

Greetings from CMTI

We are pleased to inform you that we are conducting a 05 days Non-Residential Training programme on "**CMM & Its Applications**", **course code 0360**

Highlights / Overview of the Program:

In industrial measurements, the advent of co-ordinate measuring machines has provided the capability for comprehensive measurements at one measurement station. Multi-axis CMMs' with associated computers and software not only reduce the inspection time, tooling (for measurement) costs, measurement costs, clerical work etc., but also improve the accuracy and reliability of measurements. Present day CMMs are capable of checking dimensions, positional relationships, geometrical errors, 2-D and 3-D surface measurements, batch measurements and a combination of all the measurement under teach and programmed CNC run.

Target Participants:

Personnel in Metrology, Inspection & Quality Assurance Depts.

Programme Schedule

It is 05 days Non Residential Training Programme scheduled during **15th – 19th November 2021**. The Programme will be held at Central Manufacturing Technology Institute, Bangalore

Participation Fees

Rs. 19,500/- 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:
V A P Sarma, Centre Head – AEAMT,
09449842686 / 78 Fax: (080) 2337 0428
E-mail– training@cmti.res.in, sarmavap@cmti.res.in

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

Tumkur Road, Bangalore 560 022

Training Programme

On

CMM & Its Applications

Tentative Programme schedule

Day	Topic
Day 1	Introduction to CMM
	Demo 1: UPMC 850 CMM
	Visit to CMTI Labs & Machine shops
Day 2	Basics Concepts of Coordinate Metrology
	Elements of CMM
	CMM Probing Systems
	Demo 2: UPMC 850 CMM
Day 3	Alignment Methods
	Form Measurements using CMM
	Curve Measurement
	Demo 3: UPMC 850 CMM
Day 4	Calibration of CMM
	Demo 4: Calibration of CMM by Step Gauges
	Demo 5: F25 CMM
Day 5	Reverse Engineering
	Demo 6: RPDC
	Demo 7: Portable CMM / Laser tracker

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