

Greetings from CMTI

We are pleased to inform you that we are conducting a 03 day Non-Residential Training programme on **"Uncertainty of Measurements for Dimensional Measurements."**, course code **0330**

Highlights / Overview of the Program:

The purpose of this course is to provide broad guidelines to those who are concerned with measurements about uncertainty in measurement, estimation and apportionment of uncertainty and interpretation of uncertainty as far as dimensional and geometrical measurements are concerned. The course covers topics such as uncertainty - concepts & definitions, Uncertainty - Sources and Measures, Evaluation of Type A and Type B standard uncertainties, expanded uncertainty in measurement, uncertainty budget and statement of uncertainty in measurement, step by step procedure for calculating the uncertainty in measurement of some dimensional measuring instruments.

Target Participants:

Quality Managers / Technical Managers / Senior Professionals of testing and calibration laboratories

Programme Schedule

It is 03 day Non Residential Training Programme scheduled during **28th – 30th August 2024**. The Programme will be held at Central Manufacturing Technology Institute, Bangalore

Participation Fees

Rs. 11,700/- 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:
Asha R Upadhyaya, Joint Director & Centre Head – AEAMT,
09449842686 / 78 Fax: (080) 2337 0428
E-mail– training@cmti.res.in, vinay@cmti.res.in

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

Tumkur Road, Bangalore 560 022

Training Programme
On
“Uncertainty of Measurements for Dimensional Measurements”
Tentative Programme Schedule

Days	Particulars
Day 1	Introduction to Calibration
	Introduction to Uncertainty of Measurements
	Visit to CMTI Labs
	Demo – I (Micrometer)
Day 2	Concepts & Methods of Evaluation of Uncertainty of Measurements
	Case Study
	Demo – II (Vernier Caliper, Plug Gauge)
Day 3	Demo – III (Dial Gauge, Angle Gauge)
	Case Study
	Demo – IV (Spirit Level, Slip Gauge)
	Concluding session