

Greetings from CMTI

We are pleased to inform you that we are conducting a 02 day Non-Residential Training programme on "**Micro and Nano Machining**", course code **0311**

Highlights / Overview of the Program:

Miniaturization of the products is no more a fashion rather it is the need of the time. The course deals with an overview of various micro machining processes and micro components developed for various sectors for different applications. Apart from theoretical lectures a practical exposure to the state of the art world class modern Swiss and German machines and exposure to the micro inspection facility.

Target Participants:

Scientists / Engineers/ Academic researchers involved in micro/nano product development & micro/nano machining activities.

Programme Schedule

It is 02 day Non Residential Training Programme scheduled during **21st – 22nd September 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:

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
"Micro and Nano Machining"
Tentative Programme Schedule

Days	Particulars
Day 1	Introduction to Micro & Nano Machining
	Micro Machining (Turning, Milling, EDM, WEDM)
	Laser Micro Machining
	Single Point Diamond Turning
	Demo On Micro Machining
	Demo On Excimer & Femtosecond Laser Systems
	Demo On Single Point Diamond Turning System
Day 2	Nano Finishing Processes
	Focused Ion Beam Machining
	Confocal Microscopy & Electron Microscopy
	Inspection of Micro-components
	Demo On Nano Finishing Processes (AFM & MAFD)
	Demo On Micro components Inspection (PP, VM, CMM, Roughness etc)
	Demo On Confocal Microscope
	Demo On Electron Microscope (SEM)