

ACADEMY OF EXCELLENCE FOR ADVANCED MANUFACTURING TECHNOLOGY

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

TUMKUR ROAD, BANGALORE 560 022

TECHNOLOGY UPGRADATION TRAINING PROGRAMMES

TRAINING CALENDAR FOR 2024-2025



Central Manufacturing Technology Institute (CMTI), is a premier Institute of National repute, devoted to Research in various aspects of Applied Manufacturing Science, an autonomous institution under the administrative control of the Ministry of Heavy Industries, Government of India.

CMTI plays a vital role in ushering leading edge technologies for manufacturing engineering industries in today's competitive environment. It has the state-of-the-art equipment, trained and highly skilled manpower to meet the future requirements of industries.

The Institute undertakes Research, Develop Technologies and Train Manpower in the following focused areas and deploys them into industrial applications. The centre called Academy of Excellence for Advanced Manufacturing Technology (AEAMT) in CMTI offers practical based training for more than Five decades. Our trainees profile includes practicing Engineers, Graduating students & faculty from National & International organization.

CMTI's focused areas are –

- ♦ Ultra Precision Machine Tools
- ♦ Sensors & Controllers
- ♦ Textile Machinery
- ♦ Micro-Nano Manufacturing
- ♦ Precision Metrology
- ♦ Aerospace Line Replacement Units and Test Rigs
- ♦ Special Purpose Machines`
- ♦ Skilling & Re-skilling
- ♦ Surface Engineering & Laser Processing

Our Vision

HR initiatives to ensure Globally Competitive and Qualified "Industry Ready Engineers" trained and developed to take up Applied R&D activities and address Advanced Manufacturing Technology Issues

CMTI offers training programmes in the following areas

- ❖ Advances in Manufacturing Technology
- ❖ Geometric Dimensioning & Tolerancing
- ❖ Precision Engineering
- ❖ Metrology & Calibration
- ❖ Additive Manufacturing & Rapid Tooling
- ❖ Mechatronics & Manufacturing Automation
- ❖ Quality System Standards
- ❖ Nano Technology
- ❖ Industry 4.0 & Smart Manufacturing
- ❖ MEMS, Sensors & Controllers

Highlights of CMTI Training Programmes

- ❖ Subject Experts as faculty
- ❖ Lecture supported by Demos/ Practical/ Hands-on Experience sharing: new R & D Projects / Live Case Studies etc.
- ❖ Well-equipped laboratories with state of art equipments for practical exposure
- ❖ Presentations supported with well-structured course material covering latest trends
- ❖ Improved classroom ambience with audio-visual facilities
- ❖ Provides a platform for interaction with our experts
- ❖ More than Three decades of experience in designing and Delivering training programmes

Sl. No.	Course Code	Course Title	No. of days	Date of Commencement	Course Fee ₹ (Rs.) #	Co-ordinator/ Faculty
1	0860	Measurement Uncertainty for Chemical & Mechanical Parameters by Guide for Uncertainty Measurement (GUM) Method	2	03 rd April 2024	7,800	Srinivasa Rao C/ Kavithaa S
2	0950	Optical Emission Spectrometry	2	15 th April 2024	7,800	Kavithaa S / Srinivasa Rao C
3	0730	Micro Electro Mechanical System (MEMS) and its Applications	3	22 nd April 2024	11,700	Kusuma N / Megha Agrawal / Harsha S
4	0410	Laboratory Quality Management & Internal Audit as per ISO / IEC 17025:2017	4	23 rd April 2024	15,600	Khushboo / Niranjana Reddy K
5	0370	Geometric Dimensioning & Tolerancing	5	06 th May 2024	19,500	Anil Kumar K/ Jeevan Kumar P/ Kirankumar M D
6	0310	Precision Measurements & Metrology	5	13 th May 2024	19,500	Shashikumar / Khushboo
7	0870	Non Destructive Testing	2	23 rd May 2024	7,800	Srinivasa Rao C / Kavithaa S
8	0915	Corrosion and its Prevention through Surface Finishing	2	30 th May 2024	7,800	Kavithaa S/ Srinivasa Rao C
9	0390	Advanced Materials Characterization Techniques	4	10 th June 2024	15,600	Sarmistha Dhan/ Murugan A/ Ashish Varade
10	0760	Industry 4.0 & Smart Manufacturing Systems	3	10 th June 2024	11,700	Narendra Reddy T/ Harikrishna S T/ Prakash Vinod
11	0905	Materials and Metallurgy for Non-Metallurgists	3	12 th June 2024	11,700	Srinivasa Rao C/ Kavithaa S
12	0520	Additive Manufacturing & Rapid Tooling	2	24 th June 2024	7,800	Vinod AR / Manjunath B N/ Harikrishna S T
13	0731	Practical training on micro device/sensor development	5	01 st July 2024	19,500	Kusuma N/ Megha Agrawal/ Harsha S
14	0732	Practical training on Polymeric Device Fabrication	2	03 th July 2024	7,800	Kusuma N / Megha Agrawal/ Harsha S
15	0140	Machinery Condition Monitoring for Predictive & Proactive Maintenance	5	08 th July 2024	19,500	Girish Kumar M/ Mukunda M/ Prakash Vinod
16	0320	Calibration of Dimensional Measuring Equipments	5	08 th July 2024	19,500	Khushboo/ ShashiKumar
17	0720	Mechatronics & Manufacturing Automation	5	15 th July 2024	19,500	Anil Kumar K /Shanmugaraj V
18	0910	Chemical, Mechanical & Metallographic Testing of Metallic Materials	2	01 st Aug 2024	7,800	Srinivasa Rao C/ Kavithaa S
19	0110	Part Programming of CNC Machines	5	19 th Aug 2024	19,500	Bharath P / Vignesh Kemminje
20	0330	Uncertainty of Measurements for Dimensional Measurements	3	28 th Aug 2024	11,700	Shashikumar / Khushboo
21	0780 (New)	Collaborative Robots	2	09 th Sep 2024	7,800	Narendra Reddy T/ Prakash Vinod
22	0520	Additive Manufacturing & Rapid Tooling	2	10 th Sep 2024	7,800	Vinod A R/ Manjunath B N/ Harikrishna S T
23	0311	Micro & Nano Machining	2	19 th Sep 2024	7,800	Karthik M S / Sunil Magadam
24	0150	Noise & Vibration Analysis Methods (Basic & Advanced)	4	23 rd Sep 2024	15,600	Girish Kumar M / Mukunda M/ Prakash Vinod
25	0560	Basic Course on Single Point Diamond Turning (SPDT)	2	26 th Sep 2024	7,800	Gopi Krishna S/ Narendra Reddy T/ Prakash Vinod

Sl. No.	Course Code	Course Title	No. of days	Date of Commencement	Course Fee ₹ (Rs.) [#]	Co-ordinator/ Faculty
26	0460	Microscopy & Analysis	3	21 st Oct 2024	11,700	Murugan A/ Aravinda L S/ Ashish Varade
27	0740	Packaging & Characterization of MEMS & IC Devices	3	04 th Nov 2024	11,700	Kusuma N/ Megha Agrawal / Harsha S
28	0940	Estimation of Measurement Uncertainty by MCS	2	11 th Nov 2024	7,800	Srinivasa Rao C/ Kushboo
29	0390	Advanced Materials Characterization Techniques	4	18 th Nov 2024	15,600	Sarmistha Dhan/ Murugan A/ Ashish Varade
30	0620	Gear Engineering	2	19 th Nov 2024	7,800	Ananthapadmanabha K M / Srinivasa Rao C
31	0430	Introduction to CMM	3	20 th Nov 2024	11,700	Siddaraju KG/ Khushboo
32	0410	Laboratory Management & Internal Audit as per ISO / IEC 17025:2017	4	25 th Nov 2024	15,600	Khushboo/ Niranjana Reddy K
33	0370	Geometric Dimensioning & Tolerancing	5	02 nd Dec 2024	19,500	Anil Kumar K/ Jeevan Kumar P/ Kirankumar M D
34	0400	Electron Microscopy Analysis	2	05 th Dec 2024	7,800	Murugan A/ Sarmistha Dhan /Ashish Varade
35	0790 (New)	AI & ML for Manufacturing Industries	1	09 th Dec 2024	3,900	Narendra Reddy T / Prakash Vinod
36	0520	Additive Manufacturing & Rapid Tooling	2	11 th Dec 2024	7,800	Vinod A R/ Manjunath B N/ Harikrishna S T
37	0630	Design for Manufacturing & Assembly	2	12 th Dec 2024	7,800	Ananthapadmanabha K M/ Anil Kumar K
38	0760	Industry 4.0 & Smart Manufacturing Systems	3	16 th Dec 2024	11,700	Narendra Reddy T/ Harikrishna S T/ Prakash Vinod
39	0315	Laser Micro Machining	1	20 th Jan 2025	3,900	Sunil Magadum / Raju V R/ Niranjana Reddy K
40	0920	Heat Treatment in Manufacturing Technology	2	20 th Jan 2025	7,800	Kavithaa S/ Srinivasa Rao C
41	0325	Calibration of CMM & Machine Tool	2	20 th Feb 2025	7,800	Siddaraju K G/ Chethan H S
42	0370	Geometric Dimensioning & Tolerancing	5	03 rd Mar 2025	19,500	Anil Kumar K/ Jeevan Kumar P/ Kirankumar M D

- **# Course fee** is per person & is Exclusive of taxes (Taxes & other Levis will be charged at applicable rates at the time of Billing).
- 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.
- A rebate on course fee will be given to participants from Academia, (30% for Faculty & 50% for Full Time Students).
- Academic Institutions who are members of CMTI can opt for **CAAP** (CMTI Academy Affiliate Programme) scheme & avail training programs of their choice worth Rs. 50,000/- (Rupees Fifty Thousand only).
- Course Fee includes Program Kit, Mid-Session Tea & Vegetarian Lunch.
- Course Fee can be paid through NEFT / RTGS / Demand Draft.
- **GST No.** to be shared while sending your nomination / Registration (If a company is exempted from **GST** they have to provide GST Exemption certificate).
- 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.
- Please note that Course fee once paid will not be refunded. However, change in nomination will be permitted.
- Limited **accommodation** is available at CMTI Guest House on sharing basis, subject to availability and on payment basis. Accommodation is provided **only for the participants** and not to their spouse/ friends.

Important:

1. Participants are requested to kindly bring **one recent passport size color photograph** for registration Purpose.
2. Participants are advised to proceed for the programme only when Programme is confirmed by us (by Fax / Letter / Phone / E-Mail).
3. The programme may be cancelled / postponed if nominations are not adequate in number. CMTI has the right to postpone / cancel the courses.
4. Participants should report at CMTI on the day of commencement of the course **@ 8.45 A.M.** 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.

*Demo Session**Training Session**Training Session**Training Programme on 'ISO / IEC 17025:2017'*

Beneficiary details for RTGS / NEFT	
Name	Central Manufacturing Technology Institute
Account No	10521862015
Bank Name & Branch	State Bank of India, Yeshwanthpur Branch
IFSC Code	SBIN0003297
MICR Code	560002055
GST NO.	29AAATC2085K1ZJ



To view or download
training calendar

CMTI also conducts customized / tailor made **On-site Programmes at Customers' Premises and Exclusive / Corporate Training Programmes at CMTI** based on customer requirements.

For further enquiries / registration / nominations, please contact:

Smt . Asha R Upadhyaya, Joint Director & Centre Head – AEAMT,

Central Manufacturing Technology Institute,

Tumkur Road, Bangalore - 560 022

☎: 09449842686 / 78 Fax: (080) 2337 0428

E-✉ : training@cmti.res.in

For further details please visit us at our website : <http://cmti.res.in/short-term-training-program>