

Greetings from CMTI

We are pleased to inform you that we are conducting a 05 day Non-Residential Training programme on "**Machinery Condition Monitoring for Predictive & Proactive Maintenance.**", course code **0140**

Highlights / Overview of the Program:

Machinery maintenance strategies are changing fast in tune with the modern manufacturing methods and systems. Reduction of down time, minimizing unforeseen stoppages, reduction of spares, inventory are becoming essentials of good maintenance management. This has led to an increased emphasis on new techniques and methods such as predictive and proactive maintenance practices.

The course is focused on the current trends in maintenance with an emphasis on predictive and proactive maintenance methods. Predictive maintenance of rotating machinery through various vibration monitoring techniques and oil analysis techniques for predictive and proactive maintenance, application of computers for data management are covered in detail with practical demonstrations.

Target Participants:

Managers & Engineers of Maintenance, Production & Quality Depts.

Programme Schedule

It is 05 day Non Residential Training Programme scheduled during **24th – 28th July 2023**. 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:

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

“Machinery Condition Monitoring for Predictive & Proactive Maintenance”

Tentative Programme Schedule

Days	Topic
Day 1	Overview of Maintenance Strategies and Condition Monitoring Concepts
	Fundamentals Concepts of Vibration and noise
	Practical on Vibration Measurement Instrumentations
Day 2	Vibration Measurements & Analysis
	Vibration & Noise Measurements Practices / Demonstrations
Day 3	Vibration monitoring of Rotating Machinery –Principles, Analysis and Diagnostic Techniques and Standards
	Practicals and Demonstrations, Vibration Data collection, Analysis and Interpretation, Computer based Data management
Day 4	Condition Monitoring Case Studies and Dynamic Balancing Aspects
	Practicals- 1. Balancing o Rotors on Balancing Machine 2. In-situ Balancing of Motor
Day 5	Oil Analysis & proactive Maintenance
	Practicals / Demonstrations
	Concluding Session