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: 2302**

Highlights / Overview of the Program:

Basics of Noise and Vibration, Instrumentation for Condition Monitoring, Condition Monitoring Techniques and Parameters, Sensor mounting techniques and Data Collection, Vibration Monitoring of Rotating Machinery, Interpretation of vibration spectrum, Fault analysis in rotating machinery, Real-time condition monitoring and data analytics for predictive maintenance, Simulation of various faults like unbalance, misalignment, bearing faults, bent shaft, eccentric rotor, mechanical looseness etc., in Machinery Fault Simulator and Analysis. Dynamic Balancing (single and two plane). Identification of Natural/resonance frequencies. Critical speed analysis.

Target Participants:

Engineers/Managers from Maintenance Departments/Groups, Production and Quality Departments. Diploma Holders from Maintenance departments/groups. Fresh Engineers and Diploma holders interested in Predictive and Proactive Maintenance

Programme Schedule

It is 05 day Non Residential Training Programme scheduled during 06th - 10th July 2026, **Now Postponed to future dates,** The Programme will be held at Central Manufacturing Technology Institute, Bengaluru.

Participation Fees

Rs. 19,500/- plus GST @ 18%*, per participant. This includes Course Kit, working veg lunch, mid session 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 to17:00 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:
Mr. Arun Kumar J G, Joint Director & Centre Head – AEAMT,
09449842686 / 78 Fax: (080) 2337 0428
E-mail– training@cmti.res.in, aravinda@cmti.res.in

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE

Tumkur Road, Bengaluru 560 022

Training Programme
On
"Machinery Condition Monitoring for Predictive & Proactive Maintenance"

Tentative Programme Schedule

Days	Topic
Day 01	Overview of Maintenance Strategies and Condition Monitoring Concepts
	Fundamentals Concepts of Vibration and noise
	Practical on Vibration Measurement Instrumentations
Day 02	Vibration Measurements & Analysis
	Vibration & Noise Measurements Practices / Demonstrations
Day 03	Vibration monitoring of Rotating Machinery –Principles, Analysis and Diagnostic Techniques and Standards
	Practical's and Demonstrations, Vibration Data collection, Analysis and Interpretation, Computer based Data management
Day 04	Condition Monitoring Case Studies and Dynamic Balancing Aspects
	Practical's- 1. Balancing o Rotors on Balancing Machine 2. In-situ Balancing of Motor
Day 05	Oil Analysis & proactive Maintenance
	Practical's / Demonstrations
	Concluding Session

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