

Training Programme On

CORROSION AND ITS PREVENTION THROUGH SURFACE FINISHING

Course Code : 1304

10th – 11th June 2025

Key Takeaways

- **Definition of corrosion**
- **Types of corrosion**
- **Mechanism of corrosion (thermodynamics & kinetics)**
- **Techniques/Methods to combat corrosion**
- **Evaluation of corrosion resistance property of surface finished components**
- **Case studies**



CONTACT US



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About AEAMT

Centre for Skill Development, is a flagship initiative of CMTI, aims to enhance the knowledge and skills of practicing engineers, create job ready engineers to the Indian Manufacturing sector and to bridge the gap between industry and academia.

Focused Area / Objectives :

- Corrosion is an undesirable phenomenon which occurs on surface as well as sub-surface of all kinds of metallic materials due to surface interaction with the environment. It plays a vital role in deciding the service life of any metallic component. Though it is not possible to prevent its occurrence however, it can be minimized through protection of surface by finishing and alloying. This will improve the economical use of machine tools.
- To impart knowledge on the various corrosion phenomena occurring and the measures adapted to minimize corrosion thereby extending the service life of metallic engineering components.

Target Participants :

For maintenance engineers (mechanical & civil) and personnel involved in failure analysis & mechanical testing.

Programme Co-ordinator :

Dr. Kavithaa S, is currently working as Scientist- E & Group Head for Materials And Metallurgy.

For more information:-

<https://cmti.res.in/cmtiemployee/kavithaa-s/>

Programme Schedule :

It is a **Two days (02)** Non - Residential Training Programme scheduled during **10th -11th June 2025**. The Programme will be held at Central Manufacturing Technology Institute, Bengaluru.

Participation fees :

- Rs. 7,800/- plus GST @ 18%***, per participant. This includes Course Kit, 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 Bengaluru 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 : 29AAATC2085KIZJ
- c) Account No : 10521862015
- d) Bank Name & Branch : State Bank of India, Yeshwanthpur Branch
- e) IFSC Code : SBIN0003297
- f) MICR Code : 560002055

Additional Information :

- 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
- Individuals/ Companies interested in participation are requested to fill in the enclosed Enrollment Form and submit at the earliest.
- Participants are advised to proceed for the programme only after the nominations / Programme confirmed by us (by Fax / Letter / Phone / E-Mail).
- Participants should report at CMTI on the day of commencement of the course. Participants are advised to reach Bangalore the previous day evening/ night.
- Course will be conducted from 09:00 to 17:00 hrs. Participants may plan their return journey accordingly.
- Participants will be given Certificate after the completion of the Training Programme
- Enclosed are the tentative programme contents for ready reference
- GST No. to be shared while sending your nomination / Registration (If a company is exempted from GST they have to provide GST Exemption certificate).
- 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**

Tentative Programme Schedule

Days	Topics
Day 01	<ul style="list-style-type: none">• Introduction to corrosion & definition of corrosion• Understanding corrosion & its significance Consequence of corrosion• Classification of corrosion Mechanism of corrosion• Forms & types of corrosion Significance of corrosion in relation to design
Day 02	<ul style="list-style-type: none">• Methods & techniques to combat corrosion• Case studies - discussion• Forms & types of corrosion• Significance of corrosion in relation to design

**For further enquiries / registration / nominations, please contact:
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