



Educational Virtual Training Course
**METALLURGY AND MATERIALS TECHNOLOGY
FOR CORROSION MITIGATION**
19th – 20th February 2021

OBJECTIVE

Industries suffer hugely on account of loss in productivity, safety and environment and the nation the non-renewal resources, caused by ubiquitous corrosion failures. Industrial components made mostly of engineering alloys are naturally prone to corrosion. Engineers do not have a choice but to employ them, as metals by far are the most versatile engineering materials. Material selection for engineering applications is a complex task, as the industrial processes demand that these metals primarily meet various other properties such as mechanical and thermal. Therefore, there is a need for engineers to get a broader idea on materials, including their corrosion resistance for their successful application. The specifically tailored course is unique in nature as it addresses the diverse engineering properties of materials along with the corrosion. The properties are intimately related to composition, structure and microstructure- metallurgy in a nutshell. The experts will bring out elegantly these aspects to engineers who do not have a formal exposure to both corrosion and metallurgy.

TOPICS TO BE COVERED

- Corrosion forms and preventions
- Properties and application of non-metallic materials: polymers, ceramics, graphite and glasses
- Properties and application of non-ferrous metals: alloys based on copper, titanium, nickel, tantalum and aluminium
- Heat treatment and surface engineering of alloys: as applicable to industrial components and corrosion control
- Corrosion issues and remedies in welding and fabrication on corrosion issues
- Materials testing and evaluation: mechanical properties, microstructure and chemical composition
- Materials selection criteria in relation to industrial environments and life cycle cost and case studies

WHO SHOULD ATTEND

Personnel engaged in Oil & Gas Design, Technical, Operations, Maintenance and Inspection Team, Researchers, Academic Institutes, Business personnel of Corrosion Monitoring Equipment, Pipeline Operations and Maintenance Teams. Microbiologists and Biotechnologists. Water Treatment, Refinery, Internal / External Corrosion and Corrosion Engineers, Additives & Paint Manufactures.

CLASS TIMING

09:00 hrs – 13:30 hrs

FACULTY

The faculty includes professional experts from public sector organizations & other institutions).

REGISTRATION

Enrolment is accepted on first come first served basis, as seats are limited.

PARTICIPATION CERTIFICATE WILL BE ISSUED

PROGRAMME FEES & ONLINE PAYMENT DETAIL

INR. 5,000 + 18 % GST = INR. 5,900 per delegate

10% discount to NACE member / also applicable 4 participants / more than 4 participants in same organization.

* Advance payment through online mode is mandatory for registration confirmation.

Account Details

Beneficiary Account: **NACE International India Section**

Bank Name: **Punjab National Bank**

Current Account No: **06321131002218**

Account Branch: **Powai, Mumbai, India.**

Branch Code: **063210**

RTGS/NEFT/ IFSC: **PUNB0063210**

MICR No.: **400024128**

GST No.: **27AAATN2275L1ZA**

PAN No.: **AAATN2275L**

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