



# Fundamentals of Coating & Lining

NIGIS EDUCATIONAL TRAINING PROGRAMME





# Fundamentals of Coating & Lining

**Protective Coatings** are the most widely used method to control and/or mitigate Corrosion. Protective coatings are the first line of defence against the costly effects of corrosion and are designed to prevent or limit contact between a structure's surface (usually steel or concrete) and its corrosive environment. When a coating system is properly selected and installed, it is able to achieve its designed service life with minimal maintenance and repair. The majority of coating failures are caused by faulty surface preparation, application technique, or selection of the wrong coating for the intended service environment.

Rework and replacement is expensive and can be avoided by good practices and understanding the standards and recommendations of the trained coating inspector so that problems can be identified before project moves on to the next step. This reduces the potential for coatings failures that can result in costly repairs, downtime, environmental issues, and health hazards.

## WHO SHOULD ATTEND?

This course thoroughly trains coating professionals to properly understand the technical aspects of surface preparation and application of a protective coatings system on a variety of structures in any industry.

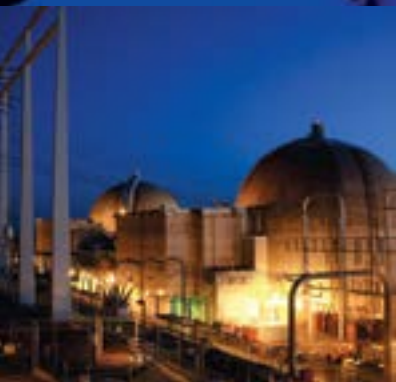
Personnel who are Contractors, Fabricator – Project Supervisors, QA/QC personnel, Blasters & Painters, Foremen & Contractor Supervisor's, Pipeline Engineers and End User / Paint Contractors, Supervisors etc.

It is designed to give the student a path for continued professional development that can open the doors to more job opportunities.

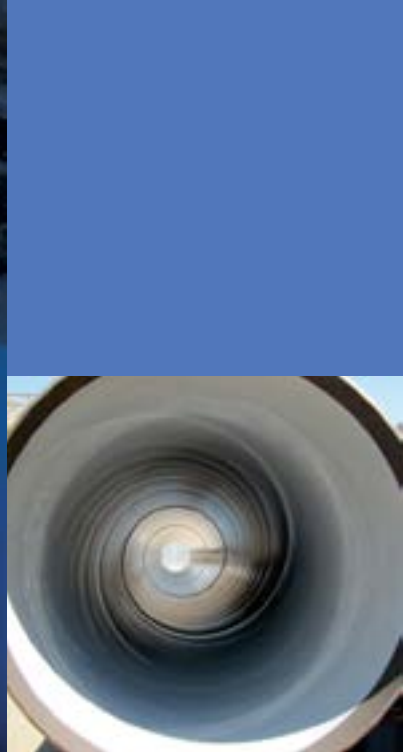
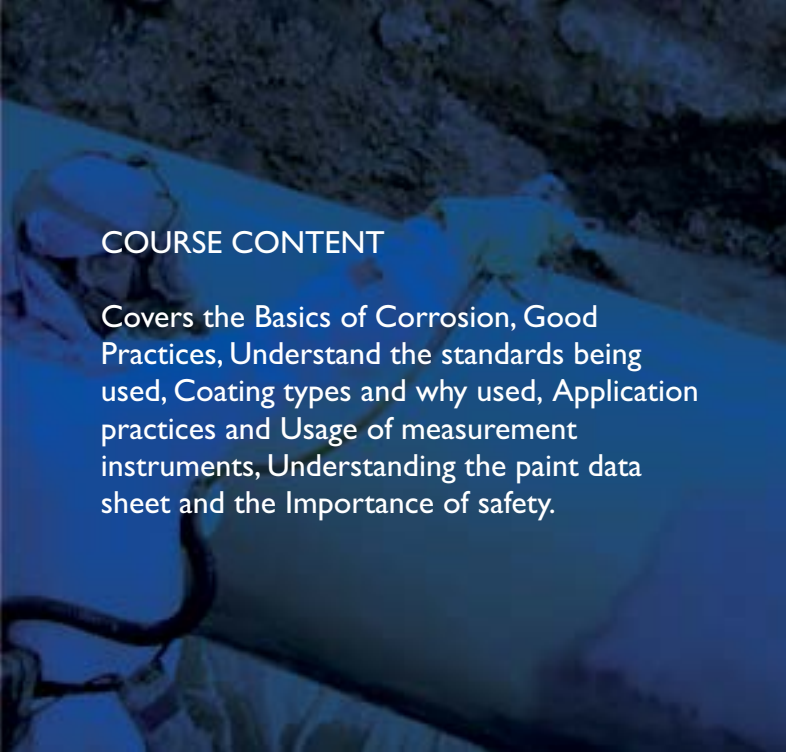


## YOU CARRY BACK

- \* Lecture notes
- \* Applicator toolkit







## COURSE CONTENT

Covers the Basics of Corrosion, Good Practices, Understand the standards being used, Coating types and why used, Application practices and Usage of measurement instruments, Understanding the paint data sheet and the Importance of safety.

## COURSE FEES

Registration fees: Rs. 10,000/- per participant.  
Payment to be made by demand draft/cheque  
in favour of "NACE International India Section".



## TECHNICAL PROGRAMME

- Principles of Corrosion
- Environmental Effects on corrosion and monitoring instruments used by Inspectors
- Coating inspectors responsibilities
- Pre-Job Conference
- Surface Preparation Standards
- Surface Preparation Process
- Coating Types and Recommendations of usage
- Coating Defects and its causes
- Paint Application & Good practices
- Paint Measuring Equipments
- Paint Data sheets and its importance
- Safety and its importance
- Practical with airless applications and videos



## COURSE VENUE

Hotel Rodas, Hiranandani Gardens,  
Powai, Mumbai 400076  
Tel: 022-66936969



## NACE International

NACE Association of Corrosion Engineers (NACE) was founded by eleven corrosion engineers in Houston, Texas USA in 1943 and renamed as NACE International, The Corrosion Society in 1993. It is recognized around the world as the premier authority for corrosion control solutions.

Built upon more than six decades of knowledge and expertise from dedicated members all over the world, NACE International is involved in every industry and area of corrosion prevention and control, from chemical processing and water systems, to transportation and infrastructure protection. NACE International has four Areas in North America and four Global Areas. More than 142 sections and 33 student sections worldwide sponsor local programs to promote the exchange of corrosion information and education. With more than 36,000 members from 130 countries, NACE International has more than 350 technical committees covering the entire gamut of areas related to corrosion and its control. NACE international endeavours to achieve its mission of protecting people, assets and the environment from the effect of corrosion by publication of standards/ recommended practices, reports, books, organization of education, training/programmes and annual conferences.

The organization offers technical training and certification programs, conferences, industry standards, reports, publications, technical journals, government relations activities and more. NACE International is headquartered in Houston, Texas, USA, with offices in Mumbai, Sao Paulo, San Diego, Kuala Lumpur, Shanghai and Al-Khobar. For more information, please visit website [www.nace.org](http://www.nace.org)

## NACE International Gateway India Section

NACE International Gateway India Section (NIGIS) was established in 1992. NIGIS has become one of the largest and most active sections of NACE International through its significant efforts for the promotion of corrosion awareness in India.

With more than 1100 members, NIGIS has organized over 162 CIP Level 1,2 & Peer Review, CIP 2 Emphasis, Nuclear course, Refinery Corrosion and CP 1,2 & 3 certification courses of NACE International besides hosting 22 annual conferences. To commemorate Corrosion Awareness Day, NIGIS presents awards to individuals and institutions for their contributions to corrosion awareness and developments in the field of corrosion science and technology. The Gateway India Section sponsors two student chapters, one each in Mumbai and Chennai / Kalpakkam. In 2013, the first NACE student conference for students, CORSYM, was organised by the NIGIS South Zone Student Section.

NIGIS is committed to enhance the quality and range of its services and activities in the field of corrosion awareness and dissemination of knowledge regarding corrosion and its protection and control, in India and worldwide. For more information, please visit website [www.naceindia.org](http://www.naceindia.org)

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