

# **BASIC CORROSION ENGINEERING**

## **Training Program**



Corrosion failures often have consequences that extend well beyond the damage to the affected plant. Often unforeseen failures can lead to leaks of flammable, toxic or polluting fluids, to costly losses of production or to product contamination. Regrettably it is a matter of experience that most failures to manage corrosion effectively are avoidable and stem from a lack of the relevant knowledge on the part of those responsible for designing, operating or maintaining equipment.

**This Program is ideally suited to following individuals who are:**

- **Fresh University Graduates and like to get the knowledge of Corrosion Engineering Standards.**
- **Already working class who are willing to update and learn the new methodologies of Corrosion Engineering.**
- **Who want to be a good and reputable jobs in the market and are like to enhance their skills in Corrosion Engineering and Its Standards.**

**Program is offered by: 3D Educators – Trainers & Consultants**

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**3D EDUCATORS**

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**TRAINERS & CONSULTANTS**

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# Program Details

## Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

## Program Structure

Number of classes in a week	Two Class Per Week
Duration of each class	2-Hour
Fee:	<b>Total Rs.3500/- Only</b>

## Other Learning Activities:

Classroom Assignments	2
Presentations by Trainees	1

## About the Program Designer & Instructor

The “Corrosion Engineering” Program has been designed and will be conducted by Certified Consultant and having the vast experience of training and consulting. They have worked with various large Government, National, and multinational organizations in local and abroad.

The Trainers who are conducting this program are have on the position of the following:

- ✓ Project Managers
- ✓ Implementers

They trainers are foreign qualified and having the certification of A.M.I (CORR) S.T – UK MEMBER N.A.C.E – USA.

As Consultant & Senior Trainers the team of trainers from Engineering side we **3D Educators – Trainers & Consultants** would not compromise on the faculty.

## Program Syllabus

### COURSE OUTLINE:

- ❖ What Is Corrosion – Introduction
- ❖ Chemical And Electro – Chemical Process
- ❖ Physical And Mechanical Changes
- ❖ Basic Electro - Chemical Cell
- ❖ Typical Electro - Chemical Cell On Buried Structures
- ❖ Typical Electro – Chemical Cell Submerged Structures
- ❖ General Methods Dealing With Corrosion
- ❖ Prediction Of Corrosion Probability
- ❖ Corrosion Prevention And Mitigation Alternatives For Buried Structures
- ❖ Corrosion Prevention And Mitigation Alternative For Marine Structures
- ❖ Definition