



# FIVE DAYS TRAINING PROGRAMME ON “CORROSION CONTROL”

NOVEMBER 18 - 22, 2019

ORGANIZED BY

MANAGEMENT DEVELOPMENT CENTRE, GSFC UNIVERSITY

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- Companies can pay for corrosion control up front, or they can pay for the subsequent remediation and maintenance costs when corrosion causes a mechanical breakdown.
- This training programme imparts understanding of basics of corrosion, its prevention and failure analysis so that preventive measures can be taken to avoid repetition of similar failures in the future.



**GSFC**  
**UNIVERSITY**  
EDUCATION RE-ENVISIONED



# IMPORTANCE OF THE TRAINING PROGRAM

Losses due to **corrosion** are enormous and the economical impacts are significant.

Our experts have conducted **extensive training needs analysis** by interviewing industry managers from different companies and use real-life case studies from the industry to explain complicated issues.

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## UPON SUCCESSFUL COMPLETION OF THIS PROGRAMME, PARTICIPANTS WILL BE ABLE TO:

- Reduce potential operational failures/ damages,
- Improve overall efficiency, and
- Increase operational savings.

## DON'T MISS THIS TRAINING

The course equips participants with the basic knowledge and skills critical for the evaluation of real-time corrosion-related issues and for specifying remedial measures and preventive approaches to combat the problems. This will help them to not only upgrade their professional skills, but also to apply at workplace, to give companies tangible benefits.

## EXPECTED OUTCOMES

UPON SUCCESSFUL COMPLETION OF THIS COURSE, THE PARTICIPANT WILL BE:

1

Aware that corrosion is one of the important causes of **unexpected failures** of process equipments.

2

Able to **monitor the progress of Corrosion** and take advance preventive action before major corrosion-induced failures occurs.

3

Having in-depth knowledge of the various corrosion prevention methods to choose from.

4

Able to conduct a **detailed Failure Analysis** of unexpected failures.

# WHO SHOULD ATTEND?

## THE MODULE WILL BE BENEFICIAL TO

- ✓ technical managers,
- ✓ designers,
- ✓ engineers, and
- ✓ Technicians dealing with corrosion-related issues at their respective fields of employment.

Participants can be from any industrial sector including, but not limited to, chemicals, pharmaceuticals, oil and gas, marine, food and beverages, manufacturing, infrastructure (power, water, roads, and transport), construction, etc.

The Program consists of practical oriented lectures. The lectures would start with:

- ✓ The Importance of the subject
- ✓ Cost of **Corrosion**,
- ✓ Minimum Basic Theoretical Principles
- ✓ **Metallurgical Principles** In Choosing Proper Materials of Construction (MOC) and ending up with **Failure Analysis Procedures**
- ✓ **Practical Real Life Case Histories** Of major corrosion failures attributable to different causes that occur In Chemical Process Industries (CPI)

## EXPERTS

### PROF. V S RAJA

Institute Chair Professor, Metallurgical Department, Indian Institute of Technology, Bombay

Second Vice President at International Corrosion Council (2017-2020)

Actively involved in solving industrial problems



### AWARDS:

- Fellow of NACE International (USA),
- Prof. S.P. Sukhatmate Excellence in Teaching Award (2016)
- Technical Achievement Award by NACE International USA

## DR. ELAYAPERUMAL KAILASANATHAN

M.S. & Ph.D. form Massachusetts Institute of Technology, USA

Metallurgy with specialization in Corrosion, Materials of Construction and Stress Corrosion Cracking

Two decade of experience in the Department of Atomic Energy, Government of India, Bhabha Atomic



### AWARDS:

- Recipient of National Metallurgist Award by Govt. of India and
- Life Time Achievement Award by NACE India Section

## EVALUATION SYSTEM:

MDC has considerably improved upon its training strategy based on inputs received from the last year's participants. Some of the new features are-

1

Exercises and assignments to help better application of the knowledge gained during the day.

2

Each day a half an hour session will be held where current issues / problems of parent organizations of participants will be discussed.

3

MDC will also hold a free of cost 6-months duration, follow up application programme to facilitate the participants to apply the knowledge gained in their work areas. Professional coach will be provided to the participants for facilitating this part of the programme, which will be carried out by the participant himself at their parent organization. This part of programme is optional.

4

Linking all MDC programmes to a 24 credit Executive Diploma in Plant Participants can enroll with GSFC University free of cost and attain 24 credit in next 7 years for award of the Executive Diploma by the GSFC University.

5

Workshop part of present programme "Corrosion Control" carries 2 credits, while application part, which follows this workshop, carries 4 additional credits.

6

Participant need to give their consent for point no. (3) i.e., application part which is optional and complimentary..

## 3-WAYS TO REGISTER

- Please fill in the registration form online as displayed on the university website.
- Alternatively, submit the hard copy to the Training Manager, MDC, GSFC University.
- Scan the form and send it to [ankita.patel@gafcuniversity.ac.in](mailto:ankita.patel@gafcuniversity.ac.in) on or before November 10, 2019.
- For queries, please contact Ms. Ankita Patel, Training Manager at 0265 – 309 3810 or 9925770039 or write it to [ankita.patel@gafcuniversity.ac.in](mailto:ankita.patel@gafcuniversity.ac.in)

### REGISTRATION CHARGES

**45,000/- Rs. Per candidates  
(Forty Five Thousand Only)**  
+ Applicable GST

### EARLY BIRD REGISTRATION

Early bird discount of **15%** of the above mentioned registration charge will be offered to those who register themselves on or before November 9, 2019

### DISCOUNT FOR GROUP REGISTRATION

One Complimentary nomination on non-residential basis for every group of four nominations from the same organization, i.e., for 5 Participants the fees of 4 participants will be charged.

**P.S: Early bird discount will not be applicable for Group Discount.**



## TERMS & CONDITIONS:

- We will return 100% of training fees in case of cancellation before 10 days of the commencement of the training program.
- In case of cancellation within 10 days of scheduled start of training programme, 10% of the training fee paid by the user will be deducted and the remaining will be refunded within 10 working days on completion of training programme.
- Participants will have to make their own travel arrangements to reach the venue of the programme.
- For Outstation Candidates, to avail the accommodation at the GSFC Guest House at concessional rates, please Contact Ankita Patel, Training Manager at [ankita.patel@gafcuniversity.ac.in](mailto:ankita.patel@gafcuniversity.ac.in). Guest house accommodation can be arranged for few participants based on availability on first come first serve basis. The last date for giving accommodation request is 10 days before scheduled start of the training programme.



## NOTE:

Registration charges are to be deposited in the following account of the university:

**BANK: Bank of Baroda**

**BANK A/C: GSFC University MDC**

**BANK A/C NUMBER: 02090100017745**

**IFSC CODE: BARB0FERTIL (5th Character is "Numerical ZERO)**

**CUSTOMER ID: AIA000956**

**Branch: Fertilizernagar Main, Vadodara.**

## OUR LAST PROGRAMME WAS RATED ★ ★ ★ ★ BY PARTICIPANTS

*"First, thanks a lot for thinking of creating program like "Corrosion Control", through GSFC's CSR activities. It was wonderful five days, which equipped all of participant with better understanding of corrosion and new control techniques. It was great opportunity to network and learn from each other's experience, as well. The training provided will help us in getting our aim, to reduce the losses and improve reliability of the assets."*

----- *Anil Tiwade, Quality Surveillance & Inspections, AFTA/OID India, BASF India Limited, Mumbai*

*"The programme of Corrosion Control was excellent. It improved our knowledge by giving a new way of thinking.*

----- *Pankaj Patel, Manager-(P-SA), GSFC Ltd., Vadodara*

*"Your efforts to make the subject event successful are highly appreciable. The contents of the training program were quite useful."*

----- *Rajesh Bora, Chief Manager – Mechanical, GACL, Vadodara*

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### ADDRESS FOR CORRESPONDENCE

**Ms. Ankita Patel** Training Officer,  
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**FOR MORE DETAILS VISIT:**

[www.gsfcuni.edu.in](http://www.gsfcuni.edu.in)

[www.gsfcuni.edu.in/mdc](http://www.gsfcuni.edu.in/mdc)



## ABOUT MANAGEMENT DEVELOPMENT CENTRE & GSFC UNIVERSITY

GSFC-University (GSFC-U) is promoted by Gujarat Fertilizers & Chemicals Ltd. as a CSR initiative. All training needs of GSFC are met by Management Development Centre which is another vertical of the GSFC-U and is mandated to provide in-service programs for upgrading the knowledge & skills of employees of the local industries.

On academics side, GSFC-U offers undergraduates program in engineering, science and management. Its pride itself in developing industry ready undergraduates. It is done by enabling students visit to GSFC's plants during regular classroom teaching. This is further supplemented by deep learning of practical aspect of industry's functioning by conducting 2-months industrial internship every year.