



UNIVERSITY OF MAURITIUS

Faculty of Engineering

Mechanical and Production Engineering Department

Corrosion – Monitoring, Testing and Prevention

Short Course
MQA Approved



Resource person:

Dr B.Y.R. Surnam, RPEM, FIEM
Post Doc (TAMU, USA)
Associate Professor
Mechanical and Production Eng. Dept.
University of Mauritius

Course duration: 12 hours
(2 days- 22nd and 23rd August)

Course fees: Rs 9000

Target audience: Trainee Engineers,
engineers, managers, educators, people with
scientific and/or technical background,...

Venue: Univ. of Mauritius

For more information, please contact the resource person:

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Aims

The aims of the course are to enable candidates to:

- Understand the causes of corrosion problems;
- Identify and assess corrosion problems in their working environment;

- Get a good understanding of corrosion tests that can be performed;
- Be up-to-date with latest trends in corrosion prevention.
- Know about corrosion products available on the market.

Course content

Types of corrosion

Cost of corrosion

Atmospheric corrosion

Mechanism

Results in Mauritius and elsewhere

Corrosion in industries

Case studies in Mauritius and elsewhere

Corrosion standards

Corrosion monitoring techniques

Accelerated corrosion tests

Immersion tests

Cyclic immersion tests

Salt spray tests

Corrosion prevention methods

Traditional methods of corrosion prevention

New methods developed/being developed

Case studies