

CII – Indian Institute of Metals joint Training Course
On

“Metallurgical Failure analysis of Industrial Components”

Online Class Room: on 02 - 03 - 04 September, 1000 – 1430 hrs each day



Background With increased industrialization and standardization in the industrial sector, it has become imperative to level up the quality of products when it comes to their longevity and effectiveness. Metals in particular have the tendency to degrade in their properties with passage of time. There are numerous ways in which a metallic component may fail. Sometimes, failure involves fracture otherwise failure can include loss of function, wear, corrosion, and distortion. When components fail, it can affect the delivery of goods and the safety of the general public as well as result in costly repairs and downtime. Performing metallurgical failure analysis to understand why a component failed is critical to preventing future failures. Keeping this in mind, **CII-IIM is organizing virtual classes for the same which will take place during 2-4 September at 1000 Hrs – 1430 Hrs each day.**

Speaker Profile: The faculty includes professional experts from industry, R&D and academic institutions, such as:

- Dr. U. Kamachi Mudali, Heavy Water Board, Mumbai
- Prof. M. Kamaraj, IIT Madras (Course Director)
- Dr. S.K. Bhaumik, NAL Bangalore
- Dr. Kulvir Singh, Corp R&D, BHEL, Hyderabad
- Prof. R. R.Gnanamoorthy, IIT Madras
- Dr. S. Suresh, Formerly WRI/BHEL
- Dr. M. Sathya Prasad, Ashok Leyland, Chennai

E-Certificate of Participation will be given to participants

Program Outline	Who should attend?
<ul style="list-style-type: none"> ▪ Understand general procedures, techniques and precautions in failure analysis ▪ Identify the basic fracture modes and their characteristics, including the factors affecting ductile-brittle relationships ▪ Distinguish typical fatigue, wear, corrosion and elevated-temperature failure characteristics etc. ▪ Apply the steps to a systematic approach for problem solving ▪ Industrial Case Studies and solutions for Industrial failures 	<p>✓ Design/Production engineers, process engineers, manufacturing engineers, QA/Inspection engineers and their Managers from industries will benefit substantially from the basic principles and procedures to be presented in the course. It can also be useful to engineering college teachers and students who are involved with failure analysis of components.</p>

Registration fees	For Registration please contact
<p>CII & IIM Members: Rs. 5900*, Non-members: Rs. 6490* (*Fee is inclusive of GST @ 18%), *Advance payment of Registration fee is mandatory, *Participation fee is non-refundable however change in nomination is possible.</p> <p>* 10% Group Discount for three or more participants.</p> <p>Payment Details: ICICI Bank Ltd, Address: SCO 145, Sector 28D, Chandigarh 160002, A/C Name: Confederation of Indian Industry, A/C No.096405000413, IFSC No. ICIC0000964, GST no.-04AAATC0188R2ZG, PAN NO.: AAATC0188R</p>	<p>Ms. Priyanka Sehgal / Mr. Ravindra Singh / Mr. Rohit Yadav Mobile: 8054579556/ 9584921158/ 9039592628 Priyanka.sehgal@cii.in/ ravindra.singh@cii.in/corrosion.services@cii.in CII – Corrosion Management Cell CII – Centre of Excellence for Competitiveness Confederation of Indian Industry, Chandigarh</p>

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