ABOUT IIPE

The Indian Institute of Petroleum and Energy (IIPE), established as an Institute of National Importance under the aegis of MoPNG and located at Visakhapatnam, Aandhra Pradesh, envisions to become a globally reputed and nationally recognised institute of energy, which will be the nodal point for imparting state-of-the-art inter-disciplinary education, carrying out cutting-edge research, providing technical solutions to industries ranging from renewable and non-renewable energy sectors to corrosion control.

Expert Speakers


Prof. Han-Seung Lee, Hanyang University


Prof. Chandan Halder IIT Indore


Prof. Uttam Manna IIT Guwahati


Prof. Nisheeth Kumar Prasad IIT Indore


Prof. Dinesh Kumar Kotnees, IIT Patna


Prof. Gomathi N. IIST Thiruvananthapuram


Prof. Somnath Ghosh IIT Delhi


Prof. Kallol Mondal IIT Kanpur


Prof. Hassane Lgaz Hanyang University


Prof. Dipankar Pal IIPE Visakhapatnam


Prof. Sayantan Dutta IIT Bombay


Prof. Somnath Ghosh IIPE Visakhapatnam


Prof. RavI Kumar Sonwanil, IIPE Visakhapatnam


Dr. Karthick Subbiah, IIPE Visakhapatnam

IMPORTANT DATES

- Start date of registration: 17th September 2024
- Last date for registration: 21st November 2024
- Workshop Date: 11th - 13th December 2024

REGISTRATION DETAILS (GST Exclusive)

- Students (UG/PG): ₹ 750
- Research scholars: ₹ 1500
- Postdocs/Faculty/Others: ₹ 2000
- Professionals from industries: ₹ 5000

SPECIAL SCHEME:

- One free Registration in a group of 5 participants for Academia
- One free Registration in a group of 3 participants for industry
- Students/ Scholars/ Postdocs accomodation will be provided on a payement basis

CHIEF PATRON

Prof. Shalivahan
(DIRECTOR)
IIPE, Visakhapatnam

PATRON

Prof. Vijaya Kumar K.
Dean (R & D) IIPE, Visakhapatnam

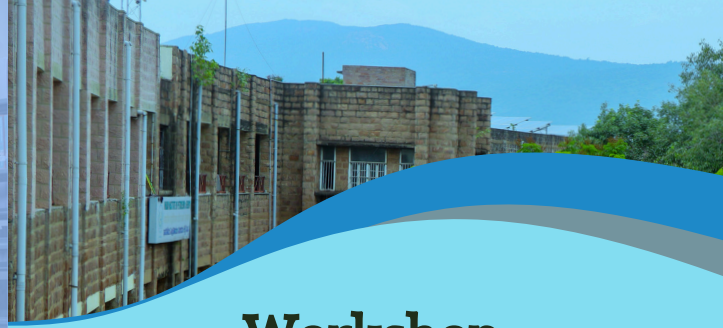
CONVENORS

Dr. Dipankar Pal
Department of Chemical Engineering
IIPE, Visakhapatnam

Dr. Somnath Ghosh
Department of Chemistry
IIPE, Visakhapatnam

CO-CONVENOR

Dr. Ravi Kumar Sonwani
Department of Chemical Engineering
IIPE, Visakhapatnam



Workshop

ON

Corrosion Prevention and Remediation Strategies

Hybrid Mode

Organized By-

Department of Chemical Engineering

INDIAN INSTITUTE OF PETROLEUM AND ENERGY
VISAKHAPATNAM-530 003

VENUE

Indian Institute of Petroleum and Energy (IIPE), Visakhapatnam
Andhra Pradesh-530 003

ABOUT THE DEPARTMENT

Offering both undergraduate (B. Tech) and Doctor of philosophy (PhD) programs, the Department of Chemical Engineering aims to provide students with the extensive knowledge they need to be a part of the Energy Sector in the Indian Industrial space. The courses provided are a balanced mix of traditional areas: reaction engineering, thermodynamics, process control, etc., and emerging areas like waste management, corrosion, renewable energy, machine learning, nanoscience. Students are given hands-on experience with various simulation software (MATLAB, Aspen, Fluent), and access to laboratories with the latest equipment and machinery.

CONTACT

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Department of Chemical Engineering
Indian Institute of Petroleum and Energy
Visakhapatnam- 530 003
Andhra Pradesh, India.

COURSE OBJECTIVES

The objective of our short-term course on **"Corrosion Prevention and Remediation Strategies"** is to provide participants with comprehensive knowledge and practical skills to effectively prevent and remediate corrosion. Through a focused curriculum, participants will learn about the selection of corrosion-resistant materials, the application of protective coatings, the implementation of cathodic protection systems, and other essential techniques. By the end of the course, participants will be aware of the necessary tools and strategies to mitigate corrosion challenges.

TOPICS COVERED

- Global Overview of Corrosion Challenges
- Fundamentals of Corrosion
- Advanced Materials for Corrosion Prevention
- Protective Coatings and Surface Treatments
- Cathodic Protection Systems
- Corrosion Inhibitors: Global Applications
- Corrosion Monitoring and Detection Techniques
- Remediation Techniques and Case Studies
- Impact of Environmental and Climate Factors
- Regulatory and Compliance Issues
- Economic Considerations in Corrosion Management
- Emerging Technologies and Future Trends
- Hands-On Sessions

WHY WILL YOU JOIN?

Join our short-term course on **"Corrosion Prevention and Remediation Strategies",** where we will cover essential techniques to combat corrosion challenges. From selecting corrosion-resistant materials to applying protective coatings and implementing cathodic protection systems, This course will equip you with practical strategies to safeguard infrastructure and equipment. We'll also delve into design considerations, maintenance practices, and monitoring methods crucial for effective corrosion management. Whether you are a professional in the field or seeking to enhance your knowledge, this course offers valuable insights to tackle corrosion issues in coastal regions efficiently.

WHO CAN PARTICIPATE

"Corrosion Prevention and Remediation Strategies": This short course is mainly intended for undergraduate and postgraduate students, research scholars, postdoctoral fellows, and faculty of chemical, mechanical, civil, metallurgy, materials engineering, and allied areas. As well as this short course is designed to cater to professionals from industrial sectors located in coastal areas.