



Charisma Education Pvt. Ltd.

Distance Learning Program on Hazardous Chemical Management

100 hours of Learning, Year 2023

OBJECTIVE:

The program shall cover the identification of high risk areas of operating units, estimate the risk values with operation of each equipment items in a refinery, petrochemical and chemical process plants, prioritize the equipment layout, design appropriate systems, plan inspection program and systematic management of risk of equipment failures. The program will guide to proper understanding of hazards, consequences of failures and the likelihood of failures. A detailed insight into related codes, safety guidelines shall be covered.

COURSE COVERAGE OUTLINES:

Course Content:

Philosophy of Safety
Introduction to Process Safety
Process Safety Check
Process Safety and Hazard Management System
Hazardous Area Classification for Electrical Equipment
Approaches for Safe Process Design
Design Inherently Safer Chemical Plant
Safety by Emergency Relief System
Safe Layout for Hydrocarbon Process Units
Handling Chemicals
Safety in Handling Petroleum Products
Methanol Specifications & Properties
LPG Specifications, Properties and Safe Practices
LPG Handling & Safety
Benzene, Toluene & Xylene Specifications, Properties and Safe Practices
Safety Precaution in Handling Ammonia
Ammonia Storage & Handling
Chlorine Specifications, Handling & Safety
Hydrogen Peroxide Specifications and Properties
Acetic Acid Specifications, Handling and Safety
Nitric Acid Specifications, Handling and Safety
Liquid Nitrogen Specifications, Handling & Safety
Inspection for Safety
Designs and Operate Flares Safely
Design of Flares, Ground Level Concentration
Hazard Analysis and Risk Assessment
Water as an Ignition Source
Occupational Health Hazard Petroleum Handling
Personal Protective Equipment
Fire Protection Facilities for Petroleum Terminals
Engineering Materials
Engineering Materials Selection



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Who Should Attend?

This program is useful for fresh & experienced engineers or engineers desiring to shift to operating and planning Process Plants. The course is continuously revised for the updated technology.

This program shall prove useful for

1. Experienced Professionals who wish to brush up their knowledge and stay abreast with the latest in the industry. This would provide you an edge amongst all.
2. Engineers and Technologists and fresher from varied technical background interested in learning more about **Hazards Prevention and Safety management.**

The distance learning training program package includes;

1. Comprehensive course material of 150+ pages for the seminar to each participant.
2. Lectures by renowned experts of 30+ years of experience in the Industry

Our clientele include Oman Refinery, Qatar Petroleum, QAPCO, Oman Gas, PDO Oman, Oman PP, L&T, ABB, TCE, EIL, GAIL, IFFCO, GSFC, KRIBHCO, IOC, RELIANCE, LINDE, REAL, BHEL, TRANSPEK, ONGC, PRAJ, Tecnimont ICB, MECON, Chennai Petroleum, SAIPEM, Nirma & many others who have benefited from technical programs conducted regularly by us.

METHODOLOGY.

Technical Sessions through emails, video conferencing
Problem Solving Sessions
Discussions on Case Studies

PLACE & TIME

Place- Faculty are located in Vadodara, Gujarat, India/ Auckland New Zealand

Time: 100 hours of learning, Year 2023

REGISTRATION

The Registration fees:

US \$600 per delegate

The fee may be sent to us in the form of cheque drawn in favour of **Charisma Education Pvt. Ltd.**, payable at Vadodara. Fee may also be paid through online bank transfer to CEPL Bank, the HDFC Bank.

Request for registration may be sent on the organization letter-head along with the fee as local cheque or through Bank Transfer.

CONTACT

Charisma Education Pvt Ltd.

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