



Charisma Education Pvt. Ltd.

Training program on Piping Systems and Pipeline Integrity in Process Industries

Vadodara, Gujarat, 3 Days, Year 2022

A training program on Understanding **Piping Systems and Pipeline Integrity in process Industries** will be organized by Charisma Careers Pvt. Ltd. CCPL is a Scientific and Technical Consultancy involved in the Design of Process Equipment, Technical Troubleshooting Process Plants, Failure Analysis of Equipment of Piping System etc. We also provide correspondence courses for Process Equipment and Pressure Vessel Design, Piping Technology.

OBJECTIVE:

This program is designed to refresh the engineers for the Piping and Pipeline design as per ASME B31 and Inspection of the piping systems and their evaluation of fitness-for-service as per API 570 and API 579. Practical aspect of design considerations, sizing, rating, pipeline integrity, internal inspections, analysis, repair, pressure testing, painting and coating shall be presented. The program shall also provide more information about pipeline defects, determining pipeline integrity, cracks, corrosion, and other possible failures and damages. This will include instructions and guidelines on the applications of relevant codes & standards.



COVERAGE OUTLINES:

The program shall cover the following areas:
Piping & Pipeline Terminology, Components
Piping & pipeline design standards, ASME B31.1, B31.3, B31.4, B31.8
Pipeline Design, Construction & Maintenance
Materials, Welding Processes



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Weld Discontinuities

Corrosion principles, types, Inspection

Discussion on API 570 (Piping & pipeline Inspection, repairs, alteration and re-rating)

Inspection Interval

Corrosion Rate evaluation

Minimum Safe Thickness evaluation

API 579 (Fitness-for-Service) Analysis

Pipe Line Integrity Management and Strategies

Main factors affecting pipeline integrity

Pressure and Leak Testing, Hydro test

External and internal Protection, Cathodic Protection

This program shall prove useful for

1. Experienced Professionals who wish to brush up their knowledge and stay abreast with the latest technology.
2. Engineers and Technologists and fresher from varied technical background interested in learning more about **Piping Systems and Pipeline Integrity**.

The program package include;

1. Comprehensive study and reference material of 150+ pages 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, L&T, ABB, TCE, EIL, GAIL, IFFCO, GSFC, IOC, RELIANCE, ALSTOM-POWER, LINDE, REAL, BHEL, ONGC, PRAJ, Tecnip, MECON, Chennai Petroleum, SAIPEM, Nirma & many others who have benefited from technical programs conducted regularly by us.



METHODOLOGY

1. Technical Sessions
2. Problem Solving Sessions
3. Case Studies



Charisma Education Pvt. Ltd.

DATE & TIME

Place- Vadodara, Gujarat, India

Date- **3 Days, Year 2022**

Time: 10.00 AM- 5 PM

VENUE

Charisma Education Pvt Ltd.

302 Sunsilver Apartments, Nr. Akota Garden, Productivity Road,
Vadodara 390020

REGISTRATION

The Registration fees: **Rs. 30000** per delegate

The fee may be sent to us in the form of Cheque drawn in favor of **Charisma Education Pvt. Ltd.**, payable at Vadodara.

Fee may also be sent to us through online bank transfer in favour of **Charisma Education Pvt. Ltd.** To our bank in Vadodara, India. Details will be provided on request.

CONTACT

Charisma Education Pvt Ltd.

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