

Course Duration : 5 Days Training
Daily Schedule : 7:30am - 2:30pm
Training Date : Upon Request
Training Venue : Doha
Traning Fees : TBI



Course Outline

Day 1

- Introduction of piping codes
- History and piping code organizations
- Definitions of piping stress

Day 2

- Piping Design Criteria
- Piping Components and Specifications
- Piping materials specification and selection

Day 3

- Piping Component Design
- Pipes Pressure Design
- Valves Selection and rating

Day 4

- Pipe Flexibility Analysis
- Pipe Support Selection and Design

Day 5

- Process Piping: Types, Design Consideration
- Tips for reliable piping systems for a service
- Piping Performance Case Histories

Course Objectives

The program shall cover the design of process piping as per ASME B31.3 Code as used in oil and gas, natural gas processing and related utilities. The presentation shall highlight the design, fabrication and testing of the piping as per international code ASME B31.3.



QATAR TECHNICAL PETROLEUM CENTER

Process Piping as per ASME B31.3

QTPC - AN ISO 9001:2008 Regd.



At the end of the course, the delegates will be able to

- Apply piping codes and standards
- Sizing and laying out piping systems in various types of facilities.
- Specify proper components for process and utility applications.
- Compare alternative material solutions
- Describe the process of steelmaking and pipe manufacture
- Describe the joining methods and inspection techniques

Who Should Attend?

Mechanical engineers, facility engineers, plant engineers, and design engineers who are involved in the design, operation and maintenance of heat transfer equipments.

Additional Responsibilities

- One soft copy of training material
- Interactive activities and discussions
- Post course assessment through preparation and delivery of presentation by participants (maximum 20 minutes each participants)
- End of course, comment on participant performance
- Distribution of Certificates of participation.

About the Course Instructor



Narendra Kumar Roy

B.Sc. (Engineering)- Mechanical (1st Class), Bihar Institute of Technology , Sindri, Ranchi University , India (Year 1966).

Master of Engineering; Specialisation in Mechanical Machine Design; University of Roorkee; India (Year 1968).

Professional Experience: April 2005 - onwards:

Working as Director on the board of Charisma Careers Pvt. Ltd, Vadodara, Gujarat .

April 1999- March 2005:

Worked as Executive Director of Gramya Research Analysis Institute for its Scientific & Technical Consultancy Division.

Worked as Advisor since inception of the organization (since Year 1984). Number of Pressure Vessel Design, Fabrication.

Publications / Seminars & Conferences Organized:

- 120+ papers had been published in various National and International Technical Journals / Proceedings of the seminars and conferences and presented at different forums for training of engineers. Main subjects covered related to pressure vessels designs & Inspection as per ASME Code.
- Co-authored two books as published by Projects & Development India Ltd., Sindri;
Engineering Manual - Valves
Thermal Insulation
- Co-authored a book published by Gramya Research, Vadodara;
Project Management in Indian Scenario
- Honorary Editor of the Journal for Process Equipments & Piping Technology (J-PEP), published by Gramya Research Analysis Institute, Vadodara, India.

• Training Programs Conducted as Main Faculty:

Guided and organized 50+ training programs of national and international level on Technical / Management topics under the banner of Gramya Research Analysis Institute, Vadodara. These training programs were held in Vadodara, Mumbai, Delhi , Chennai, Pune, Goa, Ooty, Varanasi , Ankaleshwar, Vapi, Ahmedabad (India) and Muscat (Oman).