



PIPING DESIGN TRAINING MODULE- TRAINING MODULE

Dear Candidates,

Greetings for the day!!!

Energy Total Group is an Authorized Training Partner UNDER MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP and also An ISO 9001:2008 Certified Training Company for Oil & Gas / Petrochemical/ Chemical/Refinery/Energy Sector

Offers **Piping Design engineering** courses for working and fresher engineers with 100% job assistance.

Course Objectives:

The design, engineering and construction of process plants involve a multidisciplinary team effort. Plant layout and design of piping systems constitutes a major part of the design and engineering effort. The goal is to design safe and dependable processing facilities in a cost effective manner. The fact is that there are very few formal training programs that focus on design and engineering of process plants and piping systems. Therefore, most of the required skills are acquired while on the job, reducing productivity and efficiency.

The objective of this program is to provide students the basic knowledge and skills in this discipline to facilitate faster learning curves while on the job. This program will cover the fundamental principles and concepts used in process plant layout and piping design. Upon completion of this program students will have a clear understanding of the design and engineering principles used in plant layout and piping design.

Course Structure

What You Will Gain? (Piping Stress Analysis)

- How Stress analysis is carried out in piping systems
- The fundamental aspects related to selection of piping materials.
- The objective and scope of piping codes.
- The theory behind piping system stresses and failure theories.
- The basis for determining the design pressure and temperature condition.
- The methods employed to determine pipe wall thickness.
- Piping system loads and their characteristics along with code criterion for designing piping systems.
- The design criteria for thermal stresses in piping systems.
- The significance of pipe stress analysis software in general, with particular emphasis on procedures used in the creation of stress models.
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What Will You Learn? (Piping Design Engineering)

- Fundamental of Oil & Gas Engineering
- Concept of EPC (Engineering Procurement Construction) Projects
- Overview of Oil & Gas Industry
- Piping design and engineering principles
- Terminology, symbols and abbreviations used in piping design
- Piping materials
- Piping specifications and piping codes
- Components of piping systems - fittings, flanges and valves

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- Introduction to Process Plant equipments
- Plant layout fundamentals and work flow procedures
- Terminology and symbols used in plant layout
- Instrument symbols and abbreviations
- Process flow diagrams (PFDs)
- Piping and instrumentation diagrams (P&IDs)
- Plot Plan, Equipment Layout, Piping Layout, GA Drawing etc.
- Piping isometrics and bill of materials
- Piping Hangers and Supports
- 2D & 3D Piping Software Practices
- Interview Preparation

Course Details:

Registrations open at Energy Total Offices and online too.

Piping Design Engineering Fee: 40,000 (Excluding Tax)	Degree/Diploma in Mechanical Engineering (Fresher & Experienced)	1.5 Months	Weekdays (Mon-Fri) 2 Hours/Day
Piping Stress Analysis Fee: 20,000 (Excluding Tax)	Degree/Diploma in Mechanical/Piping Engineering (Experienced)	3.5 Months	Weekend (Sat-Sun) 3 Hours/Day

For Further Details & Free DEMO Class please call at
Noida: -09540118042; 0120-6405532
 Apply online: <http://www.EnergyTotalgroup.com/> or
 You can send email on info@energytotalgroup.com or
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Why Energy Total?

Energy Total is the ultimate choice for all the working & non-working engineer's in Oil & Gas Sector training requirements. Our extensive portfolio of energy training courses is:

- 100% focused on the Oil and energy industry.
- Guided by the industry's renowned professionals with unprecedented knowledge of the Oil and energy Industry.
- Highly interactive program with practical and relevant case studies.
- Training by extensively researched self-developed cutting edge techniques.
- Skill development techniques with comprehensive set of documentation, practical skills and tools used in the Industry.
- The perfect opportunity to develop network and experiences with knowledge sharing.
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