



5, SIGNET PLAZA, NEAR SAMATA, SUBHANPURA, VADODARA-23

[Info@thedivinesolutions.in](mailto:Info@thedivinesolutions.in)

[WWW.Thedivinesolutions.in](http://WWW.Thedivinesolutions.in)

## Course Name:

### P.G. Diploma in Piping Engineering

#### ➤ About the course

Piping is crucial for transport of fluid from one equipment to another in any process plant. There are many aspects to piping and it can be a daunting and time consuming task to understand how everything fits together. This course provides a broad overview of piping engineering from designing to construction.

#### ➤ You will gain from this course

- a. A general overview of piping engineering
- b. An awareness of the processes and issues involved with designing, procurement and construction.
- c. An awareness of the materials and equipment used
- d. An understanding of industry terms and acronyms
- e. 2D software Training(Similar to Autocad)
- f. e-Certificate which can be viewed from any part of world.

#### ➤ Who should attend?

Anyone looking to gain a complete overview of piping engineering, including:

- a. Students / Diploma/Graduate engineers (chemical/Mechanical/Civil/Electrical)
- b. Conversion engineers switching disciplines or industries
- c. Managers and supervisors responsible for piping





5, SIGNET PLAZA, NEAR SAMATA, SUBHANPURA, VADODARA-23

[Info@thedivinesolutions.in](mailto:Info@thedivinesolutions.in)

[WWW.Thedivinesolutions.in](http://WWW.Thedivinesolutions.in)

## ➤ Course outline

The modules are listed below:

1. Introduction: Introduction to Piping, Responsibilities of Piping Engineer and Designer  
Scope of Piping Input and Outputs
2. General: Process Diagrams (PFD, UFD, P&ID, Line List etc)
3. Piping Fundamentals Definition, Application, Codes and Standards
4. Pipe Fittings
5. Pipe Flanges
6. Valves
7. Piping Special Items
8. Process Mechanical Equipments – Static equipments & Rotary equipments
9. Layouts: Preparation of Plot Plan, Preparation of Equipment Layouts, Preparation of Piping General Arrangement Drawings, Preparation of Cross Sectional Drawings
10. Piping Isometric Drawings & Material Take off
11. Pipe Supports: Support Types, Support Selection, Support Location, Support Span Calculation
12. Typical Unit Conversion
13. Materials: Preparation of Piping Material Specification , Valve Material Specification Familiarity with ASME B31.3 (chapters introduction) ,Pipe Wall thickness Calculations, Preparation of Special Items Datasheets ,Pressure Design of Miter Bends – Single & Multiple Miters, Pressure Design of Blanks , Branch reinforcement calculations, Overview of Technical Queries and Technical Bid Evaluations





**5, SIGNET PLAZA, NEAR SAMATA, SUBHANPURA, VADODARA-23**

**[Info@thedivinesolutions.in](mailto:Info@thedivinesolutions.in)**

**[WWW.Thedivinesolutions.in](http://WWW.Thedivinesolutions.in)**

14. Stress Analysis: Types of stresses, Significance of forces and moments, Introduction to Stress Analysis, Expansion Loop types, Bellows Types

### **Admission Requirements:**

- ❖ Duly filled Application Form
- ❖ 2 Photographs
- ❖ Address Proof
- ❖ I.D. Proof
- ❖ Latest Resume

### **Declaration:**

- ❖ This training Program is on Autonomous basis conducted by DivineInfoTechSolution
- ❖ DivineInfoTechSolution has right to expel any student at any time for misbehaviour, poor attendance without refunding the fees.
- ❖ Certification will be issued only after completion of course, submission of all assignments and passing all the examinations.
- ❖ DivineInfoTechSolution has its own rules and regulations about conducting examinations and assessment of examinations.

