

Certification Program In Piping Layout with AutoCAD & PDMS

SR. NO.	MODULE CONTENT	HOURS
1	BASIC PIPING & PIPING ELEMENTS Pipe, Fittings, Flanges, Valves Symbols for Flanges & Fittings Symbols for Valves & Flanges Dimensions for Valves & Fittings Projection Exercise—welded piping Projection Exercise—screwed piping	20
2	DRAFTING AID, EQUIPMENT & TERMS Definition of Terms Linework Exercise Lettering Exercise	4
3	FLOW SHEETS, INSTRUMENTATION, P&ID STUDY Process Flow Sheet Mechanical Flow Sheet Utility Flow Sheet Instrumentation	10
4	PIPING SPECIFICATIONS & LINE LIST Abbreviations for Piping Draftsmen Piping Specifications Insulation Pipe Line List Piping Specialty List	4
5	ROLE OF PIPING DESIGNER, DRAFTSMAN & PIPING OFFICE	4
6	STUDY OF VARIOUS PIPING DRAWING FROM PIPING OFFICE	4
7	PLOT PLAN DEVELOPMENT Study of Land Map Civil, Electrical, Soil Data, Existing Constraint & Facilities Key Plan, Plot Scale	4
8	EQUIPMENT & PIPING LAYOUT Layout Development Basis Statutory & Safety Norms for Equipments & Piping Operational Peoples Ergonomics Accessibility, Maintenance Bay & Tube bundle removal Area.	10
9	PIPING DETAILS, PLANS, NOTES & NOMENCLATURE Nomenclature : Vessels, Structural, Concrete & Electrical Foundation Location Plan Piping Drawing Index Plan Piping on Vertical Vessels Standard Pipe Spacing Flange Bolting Standard Piping Details Bridles / Pipe Culvert Traced Lines	10
10	PIPING GENERAL ARRANGEMENT (PLAN & SECTION	10

	DETAILING) Piping Plan and Elevation Piping Sections Piping Isometric Drawing Vessel Drawings Exchanger Drawing Pump Drawing Concrete Drawings Steel Drawings	
11	PIPING SUPPORTS & DETAIL DRAWING	6
12	ISOMETRIC DEFINITIONS, DIMENSIONING & CALL-OUTS Isometric Definition Configuration Problems Detail Dimensioning Isometric Call-Outs Isometric Problems	10
13	AUTO CAD TRAINING	20
14	PDMS TRAINING	50
	Total	166

Certification Program In Piping Layout with AutoCAD & PDMS

COURSE CONTENT

• Basic Piping & Piping Elements
• Drafting Aid, Equipment & Terms
• Flow Sheets, Instrumentation, P&Id Study
• Piping Specifications & Line List
• Role Of Piping Designer, Draftsman & Piping Office
• Study Of Various Piping Drawing From Piping Office
• Plot Plan Development
• Equipment & Piping Layout
• Piping Details, Plans, Notes & Nomenclature
• Piping General Arrangement (Plan & Section Detailing)
• Piping Supports & Detail Drawing
• Isometric Definitions, Dimensioning & Call-Outs
• AutoCAD Training PDMS Training