

Course Overview:

The understanding of Piping and Instrumentation Diagrams is a mandatory skill for delegates in several career choices. These include drafting, power plant operation and maintenance, refinery operation and maintenance and workers involved in the construction of industrial facilities.

Course Objective:

- Participants will have the skills necessary to read and understand Piping and Instrumentation Diagrams (P&ID's).
- They will learn the basics of blueprint reading and interpreting symbols used to represent piping, valves, signals, instruments, tags and more

Course Outline:

- Preliminary engineering drawings
- Block flow diagram (BFD)
- Process flow diagram (PFD)
- Piping and instrumentation diagrams
- P&ID symbols
- Line numbering
- Equipment identification
- Interpreting P&IDs – control & safety systems
- Safety instrument system (sis)
- Instrument symbols
- Detailed engineering drawings

Who Should Attend:

This course is intended for: Operations and Maintenance personnel in industry. People interested in drafting Construction workers such as pipe fitters and plumbers People who work with Lockout/Tagout safety systems

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation