1. Course Details:

Course Code : ICPE-001
Course Title : Advance Operation & Supervisory Skills
Course Duration : 5 Days

2. Course Overview:

- This course will provide the participants with an overview of chemical, oil, gas, petrochemical industries and related facilities. The participants will acquire a sound working knowledge in the basic design of major operation equipment which will enable them to more confidently size and select equipment for specific applications. It will present an overview fundamental understanding of the wide range of operation and treatment equipment. It will present an overview about troubleshooting and maintenance for process vessels and related equipment's.

3. Learning Outcomes:

- Gain an overall knowledge of various fundamental for operation
- Familiarize with various equipment's and processing facilities
- Gain a general knowledge about code and standard application
- Familiarize with troubleshooting and maintenance activities

4. Course Contents:

Day 1: (Operation Fundamentals)

- Introduction.
- Pressure and head
- Flow of liquids
- Properties of Fluids.
- Types of Fluids
- Heat transfer
- Mass and Energy

Day2: (Operation Vessels and Units)

- Principles of pressure vessel and piping design
- Separators
- Heat Exchangers
- Heaters

- Tanks

Day3: (Operation Equipment's)

- Pumps
- Compressors
- Engines
- Cranes
- Valves & Relieve Systems
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Day 4: (OperationControl)

- Basic for Instrumentation system
- Measured variables
- Classification of control systems
- Code and Standard Applications

Day 5: (Operation Troubleshooting)

- Process Troubleshooting
- Commissioning & Start-up
- Preventive & Predictive maintenance
- Computerized Maintenance Management System (CMMS)

5. Our Methodology:

- Make coaching and monitoring innovative and using modern
- Media training also using on the go training by using interactive means and focusing on
- The exercises, practical applications and real situations study.
- Live delivery method, instructor-led training.
- Experienced consultant, trainers, and professional.
- Qualified trainer with high-level experience

6. Attendance Reports:

- Send daily attendance reports to trainingdep
- Send full attendance report to training dep. by the end of thecourse
- Attend 100 % from the course days also providedaily
- Issue attendance certificate for participant who attend minimum 80% from the course duration

7. Pre/Post Reports:

- Pre- assessment before starting training.
- Post assessment after finish training
- Full report for the deferent between Pre-& Post assessment

8. Who Should Attend?

- Mechanical, Process, Electrical, InstrumentTechnicians
- Operation & Inspection Engineers
- Supervisors