Industrial Safety Engineering

Who should attend?

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

- Students / Graduate engineers (chemical/mechanical)
- Conversion engineers switching disciplines or industries
- Managers and supervisors responsible for safety
- Diploma holders (chemical/mechanical)
- Students / Graduates / Post Graduates in chemistry

Overview

Safety of life and assets has always been at a top precedence in oil and gas industry. Keeping in mind this course is designed in such a way that aspirants, who wish to get into designing, may get a broad overview of safety norms and related engineering practices.

Experience Explores:

- General Overview of Safety Engineering
- An Awareness of the Processes and Issues Involved With Designing
- An Awareness of the Materials and Equipment Used
- An Understanding of Industry Terms and Acronyms

Course outline

- The modules are listed below:
- Introduction
- Introduction to Safety Engineering
- Safety scope
- Inputs and Outputs
- HSE: Plan, Philosophy
- Fire and Gas Detection Philosophy, Fire and Gas Detector Location Layout, Fire Fighting and Safety Equipment Layout
- Fire Water Demand Calculation
- HAZOP Session and Report
- HAZID Session and Report
- Quantitative Risk Assessment
- Qualitative Risk Assessment

- Noise: Noise Control Philosophy, Ambient Noise Survey Report, Noise Allocation Report, Noise Verification Survey Report, Noise Control Report
- Escape Route Layout
- Hazardous Area Classification Layout, Hazardous Area Classification Schedule
- P & ID : Fire Water System, Fire Water Deluge System, Foam System
- Fire Fighting and Safety Equipment's Specification, Fire Fighting & Safety Equipment Schedule