TT THE PIPING INSTITUTE

COURSE SYLLABUS

COURSE NAME: CERTIFICATE COURSE IN PIPING ENGINEERING (CCPE)

- Piping engineering the design cycle: How it is actually carried out in the industry
- About Piping components
- International Codes and Standards application
- Mechanical design fundamentals applications in piping
- Valves
- Fluid properties to keep in mind Pressure, density, Sp. weight, Sp. gravity, Viscosity
- Pressure measurement a recap
- Understanding fluids in flow and the Bernoulli's equation
- Real systems the General Energy equation and the power required by pumps
- Application of Reynold's number, energy losses due to friction and minor losses
- Pipe sizing how to go about it
- · Series and parallel piping systems
- Pump selection how to do it
- Flow of gases and about blowers & compressors
- Air flow inside ducts
- Plot plan and Equipment layout
- Piping drawings the basics
- Flow analysis and pump sizing in software environment
- · Stress analysis an introduction
- Piping material specifications how to develop them
- Introduction to welding and fabrication aspects
- Introduction to piping estimation inch-meter and inch-dia
- Piping systems in ships
- Piping systems in Mobile Offshore Drilling Units (MODUs)
- International Classification societies and rules

FOR MORE DETAILS



(+91 80780 11577



info@thepipinginstitute.com