

Course Overview:

Mechanical services are at the center of plant internal environment and environmental impact. To enable you to take an active part in the design, installation or operation of these services you should understand the principles and be able to apply technologies.

Course Objective:

Upon completion of this course, participants will have a thorough understanding of the fundamental concepts of Mechanical installations techniques. Participants will have in-depth knowledge of pumps, compressor, valves, gearbox, bearing, firefighting, , Drainage system, heating system, isolation materials inside the buildings, equipment selection, proper operation, troubleshooting

Course Outline:

- Types Of Pumps
- Pump Performance
- Fault Diagnosis And Trouble Shooting.
- Classification Compressors
- Operation And Control Of Compressors
- Principle Of Bearing Operation
- Turbine Engine
- Combustion Turbine Principles
- Steam Turbine Components
- Valves Mechanical Operation
- Energy Conservation In Water Systems Design
- Hydraulic Pressure Test Procedures
- Flushing Techniques
- Firefighting System
- Classification Of Occupancies

Who Should Attend:

The course should benefit technicians and engineering personnel responsible for Mechanical systems.

Training Language:

English

Training Methodology:

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