



2 Day's Training program on Hydraulics & Pneumatics

Operation, Maintenance and Condition Monitoring

(Valves, Fault Finding; Lubrication, Operation, Maintenance and PPMT)

Training Program Objective and Description:

- To learn the skills necessary to successfully understand the use of how Hydraulic & Pneumatic Systems work. The specific goals are
- To understand how Hydraulic Systems work & various types of Hydraulic Valves.
- To learn how to read Hydraulic & Pneumatic Symbols make simple Hydraulic & pneumatic Circuit.
- Learn how to maintain and monitor system for efficient utilization and improve plant productivity.

Who Should Attend?

All practicing Engineers, DET, GET, O&M professionals; others who willing to get knowledge regarding mechanical maintenance.

Program Contents:

- How Hydraulic & Pneumatic Systems work
- Hydraulic & Pneumatic Symbols
- Hydraulic Pumps
- Hydraulic & Pneumatic Valves
- Hydraulic Cylinders
- Hydraulic Accumulators
- Hydraulic Hoses & Pipe Fittings
- Simple Hydraulic & Pneumatic Circuits
- Hydraulic Oil and its Cleanliness.
- Operation and Maintenance of Hydraulic and pneumatic system, valves, cylinders etc.
- Preventive Maintenance techniques
- Case Studies on H&P systems
- Applications for various Industries.

Hands ON & Practical: Simulations of various faults and maintenance techniques.

Delivery Methodology (Strategy):

- Introduction and Objective Setting
- Pre and Post Test,
- Knowledge Presentations,
- Assignments & Exercise,
- Case Studies, Discussion and Interaction
- Feedback and Assessment
- Delivery 9:30 AM to 17:30 PM
