

MECHANICAL COURSES

PUMP OPERATION and MAINTENANCE (M1B)

OBJECTIVE:

This seminar provides information on the fundamentals of positive displacement and centrifugal pumps, construction, maintenance, inspection, measurements, troubleshooting and installation of pumps in plants.

WHO SHOULD ATTEND?

This seminar is recommended for technicians, supervisors, and engineers working on pump operation and maintenance.

COURSE CONTENT:

- Purpose and Types of Pumps
- Types of Positive Displacement Pumps
- Types of Centrifugal Pumps
- Packing and Mechanical Seals
- Pumps Troubleshooting
- Maintenance of Centrifugal Pumps
- Overhauling of Centrifugal Pumps
- Maintaining Rotary Pumps
- Basic Pumping Concepts

PRACTICAL TASKS:

- Identify types of pumps
- Disassembly, cleaning, inspection, measurement and reassembly of pumps
- How to determine pump failure
- How to calculate the N.P.S.H. available for your pump

Duration: 10 Days

Date:	Venue:	Cost:
Feb 7 – 18	Dammam	SR12,000
Jul 4 – 15	Abha	SR13,000
Oct 17 – 28	Dammam	SR12,000
Dec 12 – 23	Jubail	SR13,000

PUMP TECHNOLOGY PERFORMANCE, OPERATION and MAINTENANCE (M61AE)

OBJECTIVE:

This course provides participants with principle knowledge of components, operation and maintenance of hydraulic pumps.

WHO SHOULD ATTEND?

This course is suggested for plant engineers and senior technicians who are involved in the field of hydraulic pump systems.

COURSE CONTENT:

- Introduction to Hydrostatic and Hydrodynamics pumps
- Pumps Classification
- Pumps Performance
- Pumps Theoretical Torque Power and Flow Rate
- Fixed and Variable Displacement Pumps
- Components of Hydraulic Pumps
- Selection of Hydraulic Pumps
- Troubleshooting of Hydraulic Pumps

Duration: 5 Days

Date:	Venue:	Cost:
Apr 11 – 15	Dammam	SR7,000
Sep 26 – 30	Riyadh	SR 8,000
Dec 19 – 23	Dammam	SR7,000