

MECHANICAL COURSES

PNEUMATIC SYSTEMS and TROUBLESHOOTING (M20B)

OBJECTIVE:

This course provides the participant with the skills required for inspection, maintenance, testing and troubleshooting of pneumatic systems.

WHO SHOULD ATTEND?

The course is suggested for technicians involved in pneumatic systems operation, maintenance, or troubleshooting.

COURSE CONTENT:

- Pneumatic Principles
- Reciprocating Air Compressors
- Rotary Air Compressors
- Air Treatment
- Directional Control Valves
- Pressure Control Valves
- Pneumatic Cylinders
- Pneumatic Motors
- Pneumatic Schematic Diagrams
- Pneumatic Troubleshooting

PRACTICAL TASKS:

- Exercises on pneumatic workbench
- Connecting components to operate pneumatic cylinder & motor
- Identifying types of compressors, cylinders, motors, control valves, pressure valves and check valves.
- Fault finding
- Reading schematic diagrams

Duration: 10 Days

Date:	Venue:	Cost:
Jan 10 – 21	Dammam	SR12,000
May 16 – 27	Jubail	SR13,000
Oct 3 – 14	Dammam	SR12,000

POWER HEAVY DUTY GAS TURBINE (M99A)

OBJECTIVE:

This course is designed to provide knowledge and skills for operation and maintenance of power heavy duty gas turbine.

WHO SHOULD ATTEND?

The course is suggested for anyone whoever involved for operation and maintenance of power heavy duty gas turbine.

COURSE CONTENT:

- General Overview
- Thermodynamic Principles
- Affect of External Factors on Performance
- Key Parameters Affecting Performance
- Gas Turbine Components
- Auxiliary Systems
- Control Systems
- Operation (Start-Up, Synchronizing, Loading and Shutdown)
- Maintenance Overview and Schedule Inspections
- Gas Turbine Alignment

Duration: 5 Days

Date:	Venue:	Cost:
Feb 28-Mar 4	Dammam	SR7,000
Jul 4-8	Abha	SR 8,000
Nov 14-18	Dammam	SR7,000