

# MECHANICAL COURSES

## FUNDAMENTALS OF STEAM TURBINE DESIGN AND OPERATION (M65AE)

**OBJECTIVE:**

This course is aimed on basic principles of design. This course provides participants with enough information to make coordination easier.

**WHO SHOULD ATTEND?**

This is Intended for Plant, Maintenance Engineers, Senior Operators, supervisors and Steam Power Plant Engineering Staff.

**COURSE CONTENT:**

- The Brayton cycle
- Combined and re generative cycle
- Major components design
- Gas turbine accessories
- Principles of operation
- Efficiency parameters
- Loss prevention and minimization
- Maintenance planning
- Gas fuel RTU content variation

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 21-25	Dammam	SR7,000
Jul 4-8	Riyadh	SR 8,000
Oct 24-28	Dammam	SR7,000

## GAS TURBINE DESIGN (M94AE)

**OBJECTIVE:**

This Course will enable participant to gain an understanding of Gas Turbine Theory, Components, Operation and Maintenance.

**WHO SHOULD ATTEND?**

The Course is Aimed At Plant Engineers, Senior Operation and Maintenance Staff.

**COURSE CONTENT:**

- Combined and re generative cycle
- The Brayton cycle
- Gas Turbine Operation Responsibilities
- Pre Checks & Operation Procedures
- Synchronizing and loading
- Gas Turbine Shutdown
- Gas Turbine Maintenance
- Major components design
- Gas turbine accessories
- Principles of operation
- Efficiency parameters

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 7 – 11	Dammam	SR7,000
Jun 6-10	Jubail	SR 8,000
Dec 19 – 23	Dammam	SR7,000