

MECHANICAL COURSES

GAS TURBINE OPERATION FRAME 7 (M55A)

OBJECTIVES:

This Course will enable participant to gain an understanding of GE Frame-7 Gas Turbine Theory, Component and Operation

WHO SHOULD ATTEND?

The Course Is Aimed At Plant Engineers, Senior Operation And Maintenance Staff.

COURSE CONTENTS:

1. Thermodynamic Cycle
2. Optimizing Gas Turbine units
3. Gas Turbine Performance, Heat rate and Efficiency
4. Gas Turbine Components and Systems
5. Gas Turbine Operation Responsibilities
6. Pre Checks
7. Operation Procedures
8. Synchronizing and loading
9. Gas Turbine Shutdown

Duration: 5 Days

Date:	Venue:	Cost:
Feb 16-20	Dammam	SR6,000
Jul 19-23	Dammam	SR6,000

GAS TURBINE OPERATION MAINTENANCE & PROTECTION (M27B)

OBJECTIVE:

This course provides knowledge and skills in the operation, maintenance and troubleshooting of Gas Turbines.

WHO SHOULD ATTEND?

This course is recommended for anyone involved with the operation and maintenance of Gas Turbines.

COURSE CONTENT:

1. Gas Turbine Principles
 - Gas Turbine Applications
 - The Basic Gas Turbine
 - Single Shaft System
 - Two-Shaft System
 - Increasing Gas Turbine Efficiency
2. Components of Gas Turbine Units
 - Compressors
 - Combustors
 - Turbines
 - Fuel Systems and Controls
 - Auxiliary Systems
 - Starting Systems
3. Operations and Availability
 - Availability
 - Pre-start Operation, Part I
 - Pre-start Operation, Part II
 - Power Operations
 - Shutdown

Duration: 10 Days

Date:	Venue:	Cost:
Jan 19 – 30	Dammam	SR10,000
Jul 5 – 16	Dammam	SR10,000