

MECHANICAL COURSES

MACHINERY FAILURE ANALYSIS and PREVENTION (M69A)

OBJECTIVE:

This seminar provides information with necessary knowledge for sources of failure analysis of machine components and methods of prevention.

WHO SHOULD ATTEND?

This seminar is recommended for Engineers, Technicians and whoever is involved on machinery failure analysis and prevention.

COURSE CONTENT:

- Introduction to Machine Components
- Failure Theories, and Causes
- Failure Mechanisms
- Reliability and Availability
- Operation of Machines & its Relation to Failure
- True Life Conditions
- Preventive Maintenance, Oiling and Greasing
- Predictive Maintenance Program
- Fault Analysis Diagnosis
- Case Studies

Duration: 5 Days

Date:	Venue:	Cost:
Apr 18 – 22	Dammam	SR7,000
Jul 11 – 15	Abha	SR 8,000
Oct 24 – 28	Dammam	SR7,000

MECHANICAL TROUBLESHOOTING (M6A)

OBJECTIVE:

This course is designed to provide the trainees with the skills on how to troubleshoot mechanical problems.

WHO SHOULD ATTEND?

This course is recommended for mechanical technicians, Supervisors and engineers with only basic experience in this field; who are involved in maintenance and repair of mechanical equipment.

COURSE CONTENT:

- Introduction to Troubleshooting
- Working with other people.
- Troubleshooting Techniques
- Aids to Troubleshooting
- Preparing for Troubleshooting
- Using Schematic Diagrams
- Solving Mechanical Problems

PRACTICAL TASKS:

- Video Tapes
- Using equipment in the lab such as Hydraulic system and Pneumatic System, Workbench, Pumps, Gears, Compressors and Bearings to show some examples of faults.

Duration: 5 Days

Date:	Venue:	Cost:
Mar 7-11	Dammam	SR7,000
Jun 6-10	Riyadh	SR 8,000
Sep 26-30	Dammam	SR7,000