

# MECHANICAL COURSES

## BEARING SELECTION, MAINTENANCE and FAILURE ANALYSIS (M63A)

**OBJECTIVE:**

This seminar explains in detail, the selection and maintenance of anti friction bearings.

**WHO SHOULD ATTEND?**

This course is recommended for maintenance engineers and technicians.

**COURSE CONTENT:**

- Classification of Bearings
- Selection of Bearing Types
- Working Conditions and Bearing Life
- Failure Analysis of Bearing
- True Life Conditions
- Unsatisfactory Performance
- Predictive Maintenance Program
- Computer Aided Bearing Selection
- Case Study
- Government Safety Regulations

**PRACTICAL TASK:**

- Demonstration of Different types of Bearings
- DVD'S

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 24 – 28	Dammam	SR7,000
July 18 – 22	Dammam	SR7,000
Nov 15-19	Abu Dhabi	SR 9,000

## BEARING SELECTION and TROUBLESHOOTING (M57A)

**OBJECTIVE:**

This course provides knowledge and skill in classification of bearings types, selection, and troubleshooting.

**WHO SHOULD ATTEND?**

This course is aimed at anyone involved with the maintenance and troubleshooting of bearings.

**COURSE CONTENT:**

- Journal
- Plain Bearing
- Anti Friction Bearing
- Selection of Ball and Roller Bearings
- Predominant Loads and Bearing Group
- Selecting the Type of Sealing
- Dimension Standards of Bearings
- Bearing Storage and Handling
- ISCO Standards of Bearings
- Bearing Maintenance and Troubleshooting

**PRACTICAL TASK:**

- Demonstration of Associated parts of the Bearing in Iscosa work shop
- Demonstration of Different Types of Bearings

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 21 – 25	Dammam	SR 7,000
Jun 13 – 17	Dammam	SR 7,000
Dec 26 – 30	Abha	SR 8,000