

# PM5 MAINTENANCE PLANNING AND MANAGEMENT (For Industrial Plants and Factories)

**PETRO-TEC**

**IN-HOUSE**

## COURSE OVERVIEW

This course is designed for the Management and Technical staff of factories or industrial plants. It give an introduction to maintenance and maintenance management; and equips the participants with the required understanding of maintenance planning techniques and management systems. The information provided in this course is vital for any team responsible for the maintenance of an industrial plant.

## WHO SHOULD ATTEND

The course is for anyone who is interested in the planning and control of maintenance activities and needs to understand the basic theory and practice. It is also valuable to anyone working with those involved in the planning and control of planned and corrective maintenance activities.

## COURSE CONTENT

### (A) Background to Maintenance

- What is maintenance?
- Why maintenance is a key management issue?
- The traditional approach to maintenance.
- Why maintenance should be proactive?
- Maintenance failure patterns.
- Failures of a short-sighted approach to maintenance.
- Why do people need maintenance management systems?
- What has been traditionally wrong with maintenance management systems?
- What do people want from maintenance management systems in the future?

### (B) Maintenance Planning:

- Equipment Registers
- Maintenance Types
- Preventative Maintenance Routines
- Work Control Systems
- P.M. Smoothing and Alignment
- Plant Shutdowns

- Recording Maintenance History
- Graphical and Tabular Reporting
- Use of Software Tools

### (C) Maintenance Management

- Basic features of an equipment register.
- Basic features of a work register.
- Types of Maintenance.
- Maintenance management systems.
- Development of a maintenance strategy including TPM and RCM/REM.

### (D) Other Management Issues

- Shutdown planning.
- Spares and materials.
- Resources & availability.
- Benchmarking.

**THE LECTURER  
ONE OF PETRO-TEC LECTURERS**