

**Course Overview:**

Complexity of maintenance emerges from the variability of Maintenance tasks, the impossibility of expecting most of the failures and hence the repair request, and the variety and the limitation of resources to be applied

**Course Objective:**

- Develop, implement and supervise the preventive maintenance work
- Optimize the effectiveness of maintenance, by using sophisticated techniques and methods, to economize time, money and resources
- Prevent and limit equipment failures, and rework to improve the equipment's overall effectiveness and reliability
- Decrease downtime and increase profit for their organization

**Course Outline:**

- INTRODUCTION TO MAINTENANCE
- DEFINITIONS OF RELIABILITY, MAINTENANCE & ASSET MANAGEMENT
- PREDICTIVE MAINTENANCE & CONDITION MONITORING
- OVERALL EQUIPMENT EFFICIENCY
- EQUIPMENT CLASSIFICATION
- BASICS OF PLANNING
- MAINTENANCE PLANNING & SCHEDULING
- MATERIAL & TOOLS PROCUREMENT
- PLANNING SHUT-DOWN MAINTENANCE
- MACHINERY FAILURE MODES IDENTIFICATION CAUSES & FAILURE

**Who Should Attend:**

- Anyone who want to update himself on Maintenance, Maintenance Contracts
- Anyone who have been assigned the responsibility to develop a maintenance

**Training Language:**

EN / AR

**Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation