



Maintenance & Reliability Management

Maintenance Strategy Development and Cost Effective Implementation

Course Introduction

Maintenance strategy development is crucial for maximizing the efficiency, lifespan, and performance of assets in any organization. Effective implementation of a well-planned maintenance strategy not only helps in reducing unexpected downtime but also ensures long-term cost savings and operational efficiency.

This program highlights the critical aspects of developing and implementing a maintenance strategy while focusing on reducing costs through practical solutions. Participants will gain hands-on knowledge in formulating a strategy, aligning it with business goals, managing maintenance costs, and improving performance. The program includes real-world examples and tools that ensure the application of learned concepts directly to the workplace.

Target Audience

This course is designed for maintenance managers, engineers, and operations personnel responsible for developing and executing maintenance strategies in their organizations.

Learning Objectives

- Understand the key components of a maintenance strategy and its importance in an organization.
- Learn how to identify and manage maintenance costs effectively.
- Develop skills for creating a practical maintenance strategy plan.
- Gain knowledge of implementing cost-effective maintenance techniques.
- Learn how to monitor performance and continuously improve the maintenance process.

Course Outline

• 01 DAY ONE

Introduction to Maintenance Strategy Development

- What is Maintenance Strategy Development?
- Types of maintenance strategies: Corrective, Preventive, Predictive, and Proactive
- Importance of aligning maintenance with business goals
- Identifying key factors influencing maintenance strategy
- Tools for analyzing maintenance needs
- Setting clear objectives for maintenance programs
- How to assess the current maintenance process

• 02 DAY TWO

Understanding Maintenance Costs

- Breakdown of direct and indirect maintenance costs
- The role of asset management in cost control
- Techniques for calculating total cost of ownership
- How to balance cost vs. performance
- Identifying hidden costs in maintenance
- Creating a cost-benefit analysis model
- Strategies for reducing maintenance costs

• 03 DAY THREE

Developing a Maintenance Strategy Plan

- Steps to develop a maintenance strategy plan
- Prioritizing assets and equipment
- Defining key performance indicators (KPIs)
- Aligning strategy with operational goals
- Resource allocation for maintenance activities
- Risk management in maintenance planning
- Creating a maintenance schedule

• 04 DAY FOUR

Cost-Effective Implementation of Maintenance Strategies

- Strategies for implementing cost-effective maintenance
- Integration of technology in maintenance (CMMS, IoT)

- Reducing downtime through better planning
 - Improving the efficiency of labor and resources
 - Vendor management and outsourcing maintenance
 - Training and developing the maintenance workforce
 - Continuous improvement in maintenance processes
- **05 DAY FIVE**

Performance Monitoring and Continuous Improvement

- Setting up a performance monitoring system
- Tools for tracking maintenance performance
- Reviewing and analyzing KPIs
- Addressing performance gaps
- Implementing corrective actions
- Fostering a culture of continuous improvement

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 13, 2025	April 17, 2025	5 days	4250.00 \$	Qatar - El Doha
Aug. 25, 2025	Aug. 29, 2025	5 days	4950.00 \$	Spain - Barcelona
Dec. 29, 2025	Jan. 2, 2026	5 days	4250.00 \$	UAE - Dubai