

€ TRAINING

Advanced Maintenance Project Management





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Introduction:

This training program provides participants with advanced strategies and tools to effectively manage, measure, and enhance maintenance projects. It empowers them to drive continuous improvement in maintenance management.

Program Objectives:

By the end of this program, participants will be able to:

- Understand advanced concepts in maintenance project management.
- Gain skills in measuring maintenance performance and efficiency.
- Learn techniques for developing and optimizing maintenance projects.
- Develop strategies to enhance resource utilization and minimize downtime.
- Implement continuous improvement practices in maintenance operations.

Target Audience:

- Maintenance managers and supervisors.
- Reliability engineers and maintenance planners.
- Operations managers and plant engineers.
- Project managers involved in maintenance projects.
- Professionals seeking to improve maintenance efficiency and effectiveness.

Program Outline:

Unit 1:

Advanced Concepts in Maintenance Management:

- Overview of Maintenance Management Systems.
- Role of Maintenance in Asset Management.
- Strategic Planning for Maintenance Projects.

- Risk-Based Maintenance and Reliability-Centered Maintenance RCM.
- Key Performance Indicators KPIs for Maintenance.

Unit 2:

Measuring Maintenance Performance:

- Techniques for Data Collection and Analysis.
- Maintenance Metrics and Benchmarking.
- Performance Measurement Tools and Software.
- Analyzing Maintenance Data for Decision Making.
- Case Studies on Performance Improvement.

Unit 3:

Developing and Optimizing Maintenance Projects:

- Project Planning and Scheduling Techniques.
- Resource Allocation and Optimization.
- Cost-Benefit Analysis for Maintenance Projects.
- Lean Maintenance and Process Improvement.
- Managing Maintenance Backlog and Prioritization.

Unit 4:

Enhancing Resource Utilization:

- Workforce Planning and Skills Development.
- Inventory Management and Spare Parts Optimization.
- Using Technology for Maintenance Efficiency CMMS, IoT.
- Energy Efficiency in Maintenance Operations.
- Outsourcing and Contractor Management.

Unit 5:



Continuous Improvement in Maintenance:

- Implementing Continuous Improvement Programs.
- Root Cause Analysis and Problem-Solving Techniques.
- Change Management in Maintenance Projects.
- Building a Culture of Continuous Improvement.
- Future Trends and Innovations in Maintenance Management.