MERCURY

Operations Management and Maintenance

14 – 18 June 2027
Cape Town (South Africa)



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Ref: 15966_1067576 **Date:** 14 – 18 June 2027 **Location:** Cape Town (South Africa) **Fees:** 5300 Euro

Introduction to Operations Management and Maintenance:

Operations Management and Maintenance are vital to achieving organizational excellence. They play a crucial role in ensuring the smooth operation and longevity of processes, systems, and equipment. This discipline emphasizes efficient planning, scheduling, and operation execution to utilize resources effectively, minimize downtime, and boost productivity. By aligning operations management with effective maintenance strategies, including preventive, predictive, and corrective approaches, organizations can enhance performance, uphold high-quality standards, and meet strategic objectives in a competitive marketplace.

The Operations Management and Maintenance course provides in-depth training on operations management. It focuses on the critical role of maintenance and reliability within the management framework. It explores key concepts such as facilities management operations and maintenance, offering a comprehensive understanding of maintenance management in operations. Participants will learn how to manage operations and maintenance in facility management.

Participants in this Operations Management and Maintenance course will cover the types of maintenance in operations management and how they impact overall efficiency. It will explain operations management and how maintenance is integrated to ensure optimal performance. Additionally, learners will gain insights into management operations and maintenance strategies that improve facility reliability and longevity.

Targeted Groups:

This Operations Management and Maintenance course is designed for individuals in roles such as:

- Operations Managers.
- Maintenance Supervisors.
- Facility Managers.
- Production Engineers.
- Maintenance Technicians.
- Quality Assurance Specialists.
- Asset Management Professionals.
- Industrial Engineers.
- Supply Chain Coordinators.
- Team Leaders in Operational Roles.

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Course Objectives:

At the end of this Operations Management and Maintenance course, participants will achieve the following objectives:

- Gain a comprehensive understanding of operations management and its principles.
- Develop advanced strategies for maintenance management in operations management to enhance performance.
- Improve the allocation of resources to maximize operational efficiency.
- Minimize downtime through meticulous planning and advanced maintenance practices.
- Integrate predictive and preventive maintenance in operations management.
- Enhance asset management and focus on lifecycle practices.
- Build competencies in risk assessment and mitigation within operational contexts.
- Promote quality assurance in the maintenance and reliability of operations management.
- Utilize performance analysis tools for continual development.
- Facilitate strong decision-making skills in varied operational settings.

Targeted Competencies:

Participants in this Operations Management and Maintenance training will strengthen the following competencies through this course:

- Operational Planning and Scheduling.
- Development of Maintenance Strategies in Facility Management Operations and Maintenance.
- Optimization of Resources.
- Techniques for Downtime Reduction.
- Maintenance Management in Operations Management.
- Quality Control and Assurance.
- Asset Lifecycle Management.
- Risk Assessment and Mitigation.
- Performance Monitoring and Analysis.
- Problem-solving and Decision-Making Skills.

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Maintenance Management in Operations Management:

Maintenance management is a pivotal component of operations management. It ensures that all systems function optimally and efficiently. By employing robust maintenance strategies, organizations can reduce downtime, enhance system performance, and prolong the lifespan of their assets. Participants in this Operations Management and Maintenance course will achieve overarching strategic goals and maintain competitive advantage.

Course Content:

Unit 1: Fundamentals of Operations Management:

- Introduction to operations management principles and frameworks.
- Key roles and responsibilities in operations management.
- Understanding operational workflows and process design.
- Importance of efficiency and effectiveness in operations.
- Aligning operations management with organizational goals.

Unit 2: Maintenance Strategies and Best Practices:

- Overview of preventive, predictive, and corrective maintenance.
- Planning and scheduling maintenance activities.
- Tools and technologies for modern maintenance management.
- Evaluating and selecting the right maintenance strategy.
- Establishing maintenance metrics and KPIs.

Unit 3: Resource Optimization in Operations and Maintenance:

- Effective allocation of manpower, materials, and equipment.
- Managing operational costs and budgets.
- Techniques for minimizing waste and enhancing productivity.
- Balancing resource availability with demand fluctuations.
- Strategies for sustainable operations and maintenance practices.

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Unit 4: Risk Management and Downtime Reduction:

- Identifying risks in operational and maintenance processes.
- Methods for assessing and mitigating operational risks.
- Techniques for minimizing equipment failures and downtime.
- Role of root cause analysis in maintenance improvement.
- Establishing contingency plans for critical operations.

Unit 5: Performance Monitoring and Continuous Improvement:

- Tools for monitoring operational and maintenance performance.
- Analyzing data to identify performance gaps and opportunities.
- Techniques for implementing continuous improvement initiatives.
- Leveraging technology for enhanced operational insights.
- Building a culture of innovation and excellence in operations.