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Course Name

Operations Management and Process Optimization

Sector Name

Quality Management & Operational Excellence

Document Type

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Operations Management and Process Optimization

Course Introduction

This course focuses on enhancing technical knowledge in operations management and process optimization. It covers advanced techniques for improving operational efficiency, quality management, and process control in various industrial settings.

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Operations Management and Process Optimization

Target Audience

✓ Operations Managers
✓ Supply Chain Professionals
✓ Manufacturing Managers
✓ Business Process Analysts
✓ Quality Assurance Professionals
✓ Entrepreneurs & Business Owners

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Operations Management and Process Optimization

Learning Objectives

- ✓ Implement advanced operations management techniques
- ✓ Apply process optimization methodologies to improve efficiency and quality
- ✓ Utilize data-driven decision-making in operations
- ✓ Develop strategies for continuous improvement in operational processes
- ✓ Integrate emerging technologies to enhance operational performance

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Course Outline

✓ 01 Day One

Advanced Operations Management Principles

- ✓ Strategic operations management
- ✓ Capacity planning and facility layout optimization
- ✓ Supply chain management and logistics optimization
- ✓ Inventory management and forecasting techniques

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Course Outline

✓ 02 Day Two

Lean Manufacturing and Six Sigma

- ✓ Lean principles and waste reduction strategies
- ✓ Value stream mapping and process flow optimization
- ✓ Six Sigma methodology and DMAIC process
- ✓ Statistical process control (SPC) and quality management

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Course Outline

✓ 03 Day Three

Process Optimization and Control

- ✓ Advanced process mapping and analysis techniques
- ✓ Theory of Constraints (TOC) and bottleneck management
- ✓ Process simulation and modeling
- ✓ Real-time process control and automation

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Course Outline

✓ 04 Day Four

Data-Driven Operations Management

- ✓ Big data analytics in operations
- ✓ Predictive maintenance and condition monitoring
- ✓ Operations research and optimization algorithms
- ✓ Performance metrics and KPI development

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Course Outline

✓ 05 Day Five

Emerging Technologies in Operations

- ✓ Industry 4.0 and smart manufacturing
- ✓ Industrial Internet of Things (IIoT) applications
- ✓ Artificial intelligence and machine learning in operations
- ✓ Blockchain technology in supply chain management

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Feb. 1, 2027	Feb. 5, 2027	5 days	4950.00 $	Spain , Madrid
Aug. 30, 2027	Sept. 3, 2027	5 days	2150.00 $	Virtual , Online
Nov. 9, 2026	Nov. 13, 2026	5 days	4250.00 $	UAE , Dubai
April 19, 2027	April 23, 2027	5 days	4250.00 $	UAE , Abu Dhabi

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