BOOST
THE LEADING TRAINING PROVIDER

Quality Management & Operational Excellence

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.

Target Audience

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

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

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

- **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

- **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

- **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

- **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

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 7, 2025	April 11, 2025	5 days	4250.00 $	UAE - Abu Dhabi
Aug. 24, 2025	Aug. 28, 2025	5 days	2150.00 $	Virtual - Online
Nov. 3, 2025	Nov. 7, 2025	5 days	4250.00 $	UAE - Dubai