Operations Strategy Development in Manufacturing Training Course

Professional Development Training Course Outline

Category	Manufacturing	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Operations Strategy Development in Manufacturing Training Course is designed to equip professionals with advanced capabilities in lean manufacturing, operational excellence, supply chain optimization, and strategic production planning. In today's highly competitive industrial landscape, manufacturers must align operations with business strategy to achieve cost efficiency, productivity improvement, quality enhancement, and digital transformation. This course provides a structured approach to developing high-impact operational strategies that drive sustainable competitive advantage.

As global manufacturing evolves toward Industry 4.0, smart factories, automation, and data-driven decision-making, organizations require leaders who can integrate process optimization, capacity planning, inventory management, and performance analytics into cohesive operational strategies. This training bridges the gap between theory and real-world application, enabling participants to design and implement robust manufacturing strategies aligned with market demand and technological advancement.

Programme Curriculum

Operations Strategy Development in Manufacturing Training Course

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Course Duration

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Course Objectives

1. Develop expertise in Operations Strategy Formulation for Manufacturing Excellence
2. Understand Lean Manufacturing and Continuous Improvement Systems
3. Apply Supply Chain Optimization and Demand Forecasting Techniques
4. Master Capacity Planning and Production Scheduling Models
5. Enhance Operational Efficiency and Cost Reduction Strategies
6. Implement Quality Management Systems (TQM & Six Sigma)
7. Integrate Industry 4.0 and Smart Manufacturing Technologies
8. Design End-to-End Value Chain Optimization Frameworks
9. Strengthen Inventory and Warehouse Optimization Strategies
10. Improve Manufacturing Performance Metrics and KPIs
11. Apply Risk Management in Manufacturing Operations
12. Develop Sustainable and Green Manufacturing Strategies
13. Build capability in Strategic Decision-Making for Operational Excellence

Target Audience

- Manufacturing Managers and Plant Heads
- Operations and Production Supervisors
- Supply Chain and Logistics Professionals
- Industrial Engineers and Process Engineers
- Quality Assurance and Control Managers
- Business Strategy and Planning Analysts
- Operations Consultants and Advisors
- Graduate Engineers entering Manufacturing roles

Course Modules

Module 1: Fundamentals of Operations Strategy

- Overview of operations strategy in manufacturing competitiveness
- Alignment of business strategy with production systems
- Key principles of operational excellence
- Strategic vs tactical decision-making in operations
- **Case Study:** Toyota Production System (TPS) efficiency model

Module 2: Lean Manufacturing & Waste Elimination

- Lean principles and value stream mapping
- Identification of MUDA (waste) in processes
- Just-in-Time (JIT) production systems

- Kaizen and continuous improvement culture
- **Case Study:** Lean transformation in automotive assembly plants

Module 3: Supply Chain Strategy & Optimization

- End-to-end supply chain integration
- Demand forecasting and planning accuracy
- Supplier relationship management strategies
- Logistics optimization and cost control
- **Case Study:** Amazon supply chain efficiency model

Module 4: Production Planning & Capacity Management

- Master production scheduling techniques
- Capacity utilization optimization
- Bottleneck analysis and resolution
- Resource allocation strategies
- **Case Study:** FMCG manufacturing capacity balancing

Module 5: Quality Management Systems

- Total Quality Management (TQM) frameworks
- Six Sigma DMAIC methodology
- Defect reduction and process standardization
- Quality audits and compliance systems
- **Case Study:** Motorola Six Sigma implementation success

Module 6: Industry 4.0 & Smart Manufacturing

- IoT, AI, and automation in manufacturing
- Digital twins and predictive maintenance
- Data analytics in operations decision-making
- Cyber-physical production systems
- **Case Study:** Siemens smart factory transformation

Module 7: Inventory & Cost Optimization

- Inventory control models (EOQ, JIT, ABC analysis)
- Warehouse optimization techniques
- Cost reduction strategies in production
- Working capital optimization
- **Case Study:** Walmart inventory optimization system

Module 8: Strategic Operations & Sustainability

- Sustainable manufacturing practices
- Green supply chain strategies
- Carbon footprint reduction initiatives
- Strategic risk management in operations
- **Case Study:** Unilever sustainable production strategy

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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