Lean Manufacturing Transformation Strategy 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

Lean Manufacturing Transformation Strategy Training Course is a high-impact, industry-focused program designed to equip professionals with advanced capabilities in operational excellence, waste elimination, continuous improvement, and digital lean transformation. In today's competitive global market, organizations are rapidly adopting Lean Six Sigma, Industry 4.0 integration, Kaizen culture, and smart manufacturing systems to improve productivity, reduce costs, and enhance customer value. Lean Manufacturing Transformation Strategy Training Course provides a structured pathway to understand and implement lean principles across manufacturing ecosystems using proven transformation strategies.

Participants will gain deep insights into value stream mapping, just-in-time production, 5S workplace organization, Kanban systems, TPM (Total Productive Maintenance), and agile lean leadership frameworks. The training is designed to bridge the gap between traditional manufacturing practices and modern data-driven, AI-enabled lean operations, enabling organizations to achieve sustainable growth, operational agility, and world-class manufacturing standards.

Programme Curriculum

Lean Manufacturing Transformation Strategy Training Course

Introduction

Lean Manufacturing Transformation Strategy Training Course is a high-impact, industry-focused program designed to equip professionals with advanced capabilities in operational excellence, waste elimination, continuous improvement, and digital lean transformation. In today's competitive global market, organizations are rapidly adopting Lean Six Sigma, Industry 4.0 integration, Kaizen culture, and smart manufacturing systems to improve productivity, reduce costs, and enhance customer value. Lean Manufacturing Transformation Strategy Training Course provides a structured pathway to understand and implement lean principles across

manufacturing ecosystems using proven transformation strategies.

Participants will gain deep insights into value stream mapping, just-in-time production, 5S workplace organization, Kanban systems, TPM (Total Productive Maintenance), and agile lean leadership frameworks. The training is designed to bridge the gap between traditional manufacturing practices and modern data-driven, AI-enabled lean operations, enabling organizations to achieve sustainable growth, operational agility, and world-class manufacturing standards.

Course Duration

5 days

Course Objectives

1. Master Lean Manufacturing principles for operational excellence
2. Implement waste reduction (Muda elimination) strategies
3. Develop expertise in Value Stream Mapping (VSM)
4. Apply Kaizen continuous improvement culture
5. Design efficient Just-In-Time (JIT) production systems
6. Optimize workflows using 5S workplace management
7. Integrate Lean Six Sigma methodologies
8. Enhance productivity through Total Productive Maintenance (TPM)
9. Build capability in process standardization and SOP design
10. Leverage digital lean transformation tools
11. Improve supply chain efficiency using lean logistics
12. Strengthen leadership in lean change management
13. Achieve smart manufacturing and Industry 4.0 alignment

Target Audience

1. Manufacturing Managers & Plant Heads
2. Industrial Engineers & Process Engineers
3. Operations & Production Supervisors
4. Supply Chain & Logistics Professionals
5. Quality Assurance & Lean Six Sigma Practitioners
6. Continuous Improvement Specialists
7. Engineering Graduates & Technical Trainees
8. Business Transformation & Strategy Consultants

Course Modules

Module 1: Introduction to Lean Manufacturing Systems

- Evolution of lean manufacturing principles
- Toyota Production System (TPS) fundamentals
- Lean vs Traditional manufacturing models
- Identifying waste (7 types of Muda)
- Lean mindset transformation
- **Case Study:** Toyota Production System success story in automotive efficiency improvement

Module 2: Value Stream Mapping (VSM) & Process Optimization

- Current state vs future state mapping
- Bottleneck identification techniques
- Cycle time reduction strategies
- Lead time optimization
- Data-driven process visualization
- **Case Study:** FMCG company reducing lead time by 35% using VSM

Module 3: 5S Workplace Organization System

- Sort, Set in order, Shine, Standardize, Sustain
- Visual management systems
- Workplace efficiency enhancement
- Safety and productivity integration
- Audit systems for 5S compliance
- **Case Study:** Electronics manufacturing plant achieving 40% productivity improvement through 5S

Module 4: Kaizen & Continuous Improvement Culture

- Small incremental improvement philosophy
- Kaizen event planning
- Employee engagement strategies
- Problem-solving tools (5 Why, Fishbone)
- Performance tracking metrics
- **Case Study:** Japanese manufacturing firm reducing defects by 60% via Kaizen system

Module 5: Just-In-Time (JIT) & Inventory Optimization

- Demand-driven production systems
- Inventory minimization techniques
- Supplier synchronization
- Pull system implementation
- Reducing overproduction waste
- **Case Study:** Automotive supplier reducing inventory cost by 45% using JIT

Module 6: Total Productive Maintenance (TPM)

- Equipment reliability improvement
- Autonomous maintenance systems
- Planned maintenance scheduling
- OEE (Overall Equipment Effectiveness) enhancement
- Downtime reduction strategies
- **Case Study:** Cement industry plant improving OEE from 55% to 78%

Module 7: Lean Six Sigma Integration

- DMAIC methodology application
- Process variation reduction
- Statistical process control (SPC)
- Quality improvement frameworks
- Cost of poor quality reduction
- **Case Study:** Pharma company reducing production defects by 70%

Module 8: Digital Lean Transformation & Industry 4.0

- Smart manufacturing integration
- IoT-enabled production systems
- AI-based predictive maintenance
- Real-time performance dashboards
- Digital twin technology in lean systems
- **Case Study:** Smart factory achieving 30% efficiency gain using IoT and AI analytics

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
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

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com