

Mastering Lean Manufacturing: Process Control Systems and Automation

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Lean Manufacturing: Embrace Efficiency and Excellence Overview:

Welcome to 'Lean Manufacturing: Embrace Efficiency and Excellence', a transformative journey towards streamlined production and optimized resources. This course integrates important aspects like process and procedure design, business process analysis, and process engineering. In the rapidly evolving industrial landscape, a deep understanding of process control systems is imperative. This course will provide you with practical knowledge about business process redesign and training in process measurement to help your organization achieve operational excellence. Additionally, we touch upon robotic process automation courses to help you understand how technology can complement lean manufacturing processes.

Target Audience:

- Production managers
- Process engineers
- Quality control officers
- Operational heads
- Professionals interested in business process management training

Targeted Organizational Departments:

- Production
- Quality Control
- Operations
- Process Engineering

Targeted Industries:

- Automotive
- Food processing
- Pharmaceuticals
- Electronics manufacturing

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Course Offerings:

- Understanding of process measurement
- Skills in process mapping
- Proficiency in business process redesign
- Control of various process control systems
- Business process reengineering certification
- Opportunity to learn robotic process automation

Training Methodology:

Our course deploys a blend of theoretical teaching, case studies, group work, interactive sessions, and hands-on exposure to process control systems. You will understand the importance of process and procedure, get insights into business process analysis, and take part in business process management training. Feedback sessions based on process engineering courses and robotic process automation courses will be a part of the daily routine.

Course Toolbox:

- Workbooks on process measurement, process mapping, business process modeling definition, and business process redesign
- Online resources for business process training
- Software for business process analysis and robotic process automation

Course Agenda:

Day 1: Foundations of Lean Manufacturing and Finance Principles

- Topic 1: What is Lean Manufacturing?

- Topic 2: Finance 101 by Taiichi: An Overview

- Topic 3: Reflection on the Forgotten M's in Manufacturing

- Reflection & Review: Understanding the Basics of Lean Manufacturing and Finance

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Day 2: Standards, Flow and Automation

• Topic 1: No Standards, No Kaizen: Importance of Standards in Lean Manufacturing

• Topic 2: Standard Work in Lean Manufacturing

• Topic 3: Why Flow Counter Clockwise? An Analysis

• Reflection & Review: Focus on Standards and Flow in Lean Manufacturing

Day 3: Automation, Planning, and Quick Adjustments

• Topic 1: Jidoka - The Forgotten Pillar of Lean Manufacturing

• Topic 2: Heijunka in the Front Office and Its Importance • Topic 3: Why Heijunka? - Parts 1 & 2

• Topic 4: Single Minute Exchange of Dies SMED: An Introduction • Reflection & Review: Understanding Automation, Heijunka, and SMED in Lean Manufacturing

Day 4: Operational Efficiency, Value Stream Mapping, and Kaizen Rules

• Topic 1: OEE - Not Just for TPM Programs!

• Topic 2: Value Stream Mapping Overview: Current State and Future State

• Topic 3: Introduction to the Kaizen Newspaper: Two Types of Kaizen and Rules 1-4

• Reflection & Review: Delving into OEE, Value Stream Mapping and Kaizen Rules

Day 5: Kaizen Rules, Reflection, and Reality

• Topic 1: Kaizen Rules: 5-10

• Topic 2: Repent, I mean Hansei! Importance of Reflection in Lean Manufacturing

• Topic 3: Is Laying People Off Really Anti-Lean? A Discussion

• Topic 4: Shadows or Reality in Lean Manufacturing

• Reflection & Review: Final Reflection on Kaizen Rules and Ethical Practices in Lean Manufacturing

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How This Course is Different from Other Lean Manufacturing Courses:

'Lean Manufacturing: Embrace Efficiency and Excellence' is a unique blend of traditional lean principles and emerging technology. The course not only provides insights into process engineering and business process analysis but also offers hands-on robotic process automation courses. Our business process redesign and reengineering certification stand out from other offerings as we integrate theory and practice with real-world case studies. This course goes beyond imparting knowledge on process and procedure, offering a holistic understanding of lean manufacturing with the use of process control systems, process measurement, and process mapping.

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Training Course Categories

- Agile PM and Project Management Training Courses
- Agribusiness & Food Security Training Courses
- Aviation Management and Operations Training Courses
- Certified Courses By International Bodies
- Communication and Public Relations Training Courses
- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Healthcare Management Training Courses
- Heritage Conservation and Museum Management Training Courses
- Hospitality and Tourism Training Courses
- Human Resources Training and Development Courses
- IT Security Training & IT Training Courses
- Leadership and Management Training Courses
- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
- NGO, Humanitarian and Development Management Training Courses
- Occupational Health, Safety and Security Training Courses
- Oil & Gas Training and Other Technical Courses
- Personal & Self-Development Training Courses

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Training Course Categories

- Quality and Operations Management Training Courses
- Secretarial and Administration Training Courses
- Shipping, Maritime and Ports Training Courses

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