Lean Management and Process Improvement Implementation for Operations Training Course

09 - 13 Nov 2026

Boston

7500 € (Per Person)

Ref: #MA9494_16565

Course Introduction / Overview:

This Lean Management and Process Improvement Implementation for Operations Training Course offers a comprehensive exploration of methodologies designed to enhance operational excellence and drive continuous improvement across various sectors. Participants will delve into the core principles of lean thinking, understanding how to identify and eliminate waste, streamline processes, and optimize resource utilization for maximum efficiency and productivity. The curriculum is meticulously crafted to provide practical, actionable strategies for process optimization, covering essential lean tools such as value stream mapping, 5S methodology, and Kaizen events. BIG BEN Training Center is committed to equipping professionals with the skills to lead successful lean transformation journeys within their organizations. This course addresses critical aspects of operational efficiency, from root cause analysis to the development of a sustainable lean culture. Drawing inspiration from seminal works like "Lean Thinking: Banish Waste and Create Wealth in Your Corporation" by James Womack and Daniel Jones, the course emphasizes a holistic approach to process improvement, ensuring participants can implement robust solutions that foster long-term organizational agility and competitive advantage. It is an invaluable opportunity for those seeking to master the art and science of process improvement and operational excellence.

Target Audience / This training course is suitable for:

- Operations Managers.
- Production Supervisors.
- Process Improvement Specialists.
- Quality Assurance Managers.
- Supply Chain Managers.
- Project Managers.
- Team Leaders.
- Continuous Improvement Coordinators.
- Business Analysts.
- Engineers (Industrial, Manufacturing, Process).
- Anyone involved in process design, management, or improvement initiatives.

Target Sectors and Industries:

- Manufacturing and Production.
- Healthcare and Pharmaceuticals.
- Logistics and Supply Chain.
- Financial Services and Banking.
- Information Technology and Software Development.
- Retail and E-commerce.
- Public Sector and Government Agencies.
- Telecommunications.
- Energy and Utilities.
- Automotive.
- Aerospace and Defense.

Target Organizations Departments:

- Operations Department.
- Production Department.
- Quality Control and Assurance Department.
- Supply Chain Management Department.
- Process Improvement Department.
- Project Management Office (PMO).
- Engineering Department.
- Customer Service Department.
- Human Resources Department.
- Finance Department.
- IT Operations Department.

Course Offerings:

By the end of this course, the participants will have able to:

- Apply fundamental lean principles to identify and eliminate waste in operational processes.
- Conduct value stream mapping to visualize and optimize end-to-end process flows.

- Implement 5S methodology for workplace organization and standardization.
- Facilitate Kaizen events to drive rapid, continuous improvement initiatives.
- Utilize problem-solving frameworks like root cause analysis to address operational challenges.
- Develop and monitor key performance indicators (KPIs) for process efficiency and effectiveness.
- Lead lean transformation efforts and foster a culture of continuous improvement.
- Integrate lean principles with quality management systems for enhanced operational excellence.
- Design and implement standard work procedures to ensure consistent process execution.
- Manage change effectively during lean implementation projects.
- Optimize supply chain processes through lean strategies.
- Enhance operational efficiency and productivity across various business functions.

Course Methodology:

The Lean Management and Process Improvement Implementation for Operations Training Course at BIG BEN Training Center employs a highly interactive and practical methodology designed to maximize learning and skill acquisition. Our approach integrates a blend of theoretical instruction with extensive hands-on exercises, ensuring participants not only understand the concepts but can also apply them effectively in real-world scenarios. The training incorporates detailed case studies drawn from diverse industries, allowing participants to analyze complex operational challenges and develop strategic process improvement solutions. Group discussions and collaborative teamwork activities are central to the methodology, fostering peer learning and the exchange of best practices in lean management. Interactive simulations and practical workshops provide a safe environment for participants to practice lean tools such as value stream mapping, 5S implementation, and Kaizen event facilitation. Continuous feedback is provided by experienced instructors, guiding participants through their learning journey and reinforcing key takeaways. This dynamic methodology ensures that every participant gains a deep understanding of lean principles and develops the confidence to lead successful process optimization initiatives within their organizations, driving tangible improvements in operational excellence and efficiency.

Course Agenda (Course Units):

Unit One: Foundations of Lean and Process Improvement

- Understanding Lean Thinking and its Origins.
- The Eight Wastes (Muda) and their Identification.
- Value, Value Stream, Flow, Pull, and Perfection Principles.
- Introduction to Process Improvement Methodologies.
- The Role of Leadership in Lean Transformation.
- Building a Culture of Continuous Improvement.
- Setting the Stage for Operational Excellence.

Unit Two: Lean Tools and Methodologies

- Value Stream Mapping (VSM) for Process Analysis.
- 5S Methodology: Sort, Set in Order, Shine, Standardize, Sustain.
- Kaizen: Principles and Implementation of Continuous Improvement Events.
- Standard Work: Developing and Documenting Best Practices.
- Visual Management and Andon Systems.
- Introduction to Kanban and Pull Systems.
- Error Proofing (Poka-Yoke) Techniques.

Unit Three: Implementing Process Improvement Initiatives

- Defining Project Scope and Objectives.
- Data Collection and Analysis for Process Performance.
- Root Cause Analysis (RCA) Techniques: 5 Whys, Fishbone Diagrams.
- Developing and Evaluating Improvement Solutions.
- Pilot Implementation and Testing of Changes.
- Measuring and Monitoring Process Performance with KPIs.
- Change Management Strategies for Lean Adoption.

Unit Four: Sustaining Lean and Continuous Improvement

- Establishing a Lean Management System.
- Gemba Walks and Shop Floor Management.
- Total Productive Maintenance (TPM) for Equipment Reliability.
- Integrating Lean with Quality Management Systems.
- Employee Engagement and Empowerment in Lean.
- Sustaining a Culture of Continuous Improvement.
- Overcoming Resistance to Change and Ensuring Long-Term Success.

Unit Five: Advanced Lean Applications and Digital Integration

- Lean in Service and Administrative Processes.
- Lean in Supply Chain Management.
- Introduction to Six Sigma for Process Variation Reduction.
- Leveraging Digital Tools for Lean Implementation.
- Industry 4.0 and Lean Manufacturing Integration.
- Developing a Lean Transformation Roadmap.
- Future Trends in Operational Excellence and Process Innovation.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can organizations effectively balance the pursuit of operational efficiency through lean principles with the need for innovation and agility in rapidly evolving market landscapes?

What unique qualities does this course offer compared to other courses?

This Lean Management and Process Improvement Implementation for Operations Training Course stands out due to its deeply practical and immersive approach, moving beyond theoretical concepts to focus on actionable implementation strategies. Unlike many courses that merely introduce lean tools, BIG BEN Training Center's program emphasizes the critical thinking required to apply these tools effectively within diverse organizational contexts. Participants will engage in extensive real-world case studies and simulations that mirror actual operational challenges, fostering a robust understanding of how to diagnose process inefficiencies, design targeted improvements, and measure their impact. The course uniquely integrates discussions on building a sustainable lean culture and managing organizational change, recognizing that successful process improvement is as much about people and leadership as it is about methodologies. We delve into the strategic alignment of lean initiatives with broader business objectives, ensuring participants can articulate the value of operational excellence to stakeholders. Furthermore, the curriculum incorporates insights into leveraging digital technologies for lean, preparing professionals for the future of process innovation. This holistic and application-focused design ensures that participants leave not just with knowledge, but with the confidence and capability to drive significant, measurable improvements in their organizations' operational efficiency and overall performance.