



Lean Process Improvement

Description: Lean process analysis is more than applying a few principles to the workplace and waiting to see results. This class covers an entire philosophy and way of working. Lean process improvement training is a way of constantly improving workplace methodology and management. If you're ready to work like the best, it's time to learn how they do it! Based on three hundred years of proven effective techniques, Lean Process Improvement training teach students how to get rid of wasted effort in the workplace and see improvement as a continuous cycle. Full of discussions, case studies, and group work to help learners understand the full range of concepts in Lean, students will learn how to capitalize on efficiency and put the 20 key elements of Lean organizations to work.

Session One: Course Overview

Session Two: Understanding Lean

- Defining Lean
- The History of Lean
- Lean vs. Six Sigma
- A Lean Glossary

Session Three: The Toyota Production System

Overview of the Liker Pyramid

- Philosophy
- Process
- People and Partners
- Problem Solving

Session Four: The Toyota Production System House

- Case Study

Session Five: The Five Critical Improvement Concepts

- Key Ideas
- Case Study

Session Six: Understanding Value with the Kano Model

Session Seven: Types of Waste

- The Four Categories
- Small Group Work

Session Eight: Creating a Lean Enterprise

- Going Green with Lean
- The Characteristics of a Lean Organization
- Wise Words

Session Nine: The Plan, Do, Study, Act (PDSA) Cycle

Session Ten: Using the R-DMAIC-S Model

Session Eleven: Lean Thinking Tools

- 5W-2H
- Genchi Genbutsu and Gemba
- Performing a 5-S

Session Twelve: Kaizen Events

- About Kaizen and Kaizen Events
- Typical Kaizen Blitz Workflow
- Personal Reflection
- Group Reflection

Session Thirteen: Data Gathering and Mapping

- Flow Charts
- Ishikawa (Cause and Effect) Diagrams
- SIPOC Diagrams
- Value Stream Maps
- Tips for Effective Data Analysis

Session Fourteen: A Plan to Take Home

- Roadblocks and Pitfalls
- Creating a Successful Organizational Structure
- Where to Get Started?
- A Plan for Success
- Workshop Wrap-Up