



Lean Sigma Champion

Description: This program helps managers and professionals gain valuable skills, which can be used immediately to analyze unit or company performance. Students learn how to apply Lean Sigma techniques to attack inefficiencies—wastes caused by defects, overproduction, and extra processing to enhance any organization. This class is designed to help Six Sigma users move to the Lean methodologies.

Session 1: Course Overview.

- DMAIC Methodology Overview
- The Project Charter
- Determining Customer and Their Needs
- Process Mapping and SIPOC

Session 2: Introduction to Lean

- Lean is not only for Manufacturing
- Value add and waste
- Waste walks and spaghetti charts
- Hoshin Planning

Session 3: Project Management

- Introduction to Project Management
- Projects: Initiation, Planning,
- Execution, Controlling and Closing

Session 4: Visualizing and Improving the

- Process
- Value Stream Mapping for manufacturing
- Value Stream Mapping for Services
- 5S
- Poka-Yoke

Session 5: Visualizing and Improving the

- Process
- Kaizen Events
- SMED Service Focus
- Cellular Manufacturing
- Pull Systems

Session 6: Lean Concepts

- Lean Accounting
- Standardized Work Methods
- Theory of Constraints
- Barriers to Implementation

Session 7: Lean Projects and Lean Tools

- Organizational Assessment
- Quick Response Manufacturing
- Planning and Deployment for Lean
- Implementation
- Quality Function Deployment
- 7m Tools
- International Diagrams
- Prioritization Matrix
- Triz