



Project & Contract Management

Certified Lean Six Sigma for Project Managers

Course Introduction

This **Certified Lean Six Sigma for Project Managers** program from BOOST provides project managers with essential tools and techniques for applying Lean Six Sigma methodologies to improve project efficiency, reduce waste, and deliver high-quality results. Participants will learn how to use the **DMAIC** framework (Define, Measure, Analyse, Improve, Control) and Lean principles to optimize project processes, enhance stakeholder satisfaction, and drive continuous improvement in their projects. This course includes hands-on practice, case studies, and tools that are directly applicable to real-world project management scenarios. At the end of the program, participants will be equipped to lead projects using Lean Six Sigma principles, ensuring the successful delivery of projects within scope, time, and budget constraints.

Target Audience

This course is designed for project managers, team leaders, and professionals involved in managing or leading projects who want to gain a comprehensive understanding of Lean Six Sigma principles and how they can be applied to improve project performance. It is ideal for individuals working in industries such as manufacturing, service, healthcare, and IT who are looking to improve the quality, efficiency, and success rate of their projects.

Learning Objectives

1. **Understand** the fundamental principles of Lean Six Sigma and their application to project management.
2. **Use** the DMAIC framework to systematically identify, measure, and solve project problems.

3. **Apply** Lean tools to eliminate waste, improve processes, and drive efficiency in project tasks.
4. **Utilize** project management techniques alongside Lean Six Sigma principles to optimize project timelines and resources.
5. **Analyze** project data and make data-driven decisions to improve project outcomes.
6. **Control** project outcomes using monitoring tools to ensure sustained improvements.
7. **Integrate** continuous improvement strategies into the project lifecycle.
8. **Prepare** for certification exams by understanding key concepts, tools, and techniques used in Lean Six Sigma for project management.

Course Outline

• Day 01

Introduction to Lean Six Sigma & Project Management Principles

- Introduction to Lean Six Sigma: Overview, principles, and benefits
- The importance of process improvement in project management
- The relationship between project management and Lean Six Sigma
- Overview of the DMAIC process
- Key project management concepts: Scope, timelines, resources, and stakeholders
- Understanding the Voice of the Customer (VOC) and Critical-to-Quality (CTQ) metrics
- Group activity: Defining a project charter

• Day 02

Define and Measure Phase

- Define phase: Project goals, problem statements, and scope
- Tools for the Define phase: SIPOC (Suppliers, Inputs, Process, Outputs, Customers)
- Introduction to data collection: Developing a measurement system
- Measure phase: Baseline data and performance metrics
- Process mapping: Identifying key process steps and inefficiencies
- Case study: Using data to define a project improvement goal

- **Day 03**

- Analyse and Improve Phase**

- Analyse phase: Identifying root causes of project issues
 - Tools for analysis: Fishbone diagram, 5 Whys, and Pareto analysis
 - Statistical tools for project analysis: Hypothesis testing, regression analysis
 - Improve phase: Brainstorming solutions and process optimization
 - Lean tools for improvement: 5S, Kaizen, Kanban

- **Day 04**

- Implementing Change & Control Phase**

- Implementing improvements: Developing and testing solutions
 - Change management strategies: Handling resistance and ensuring project buy-in
 - The importance of piloting solutions before full-scale implementation
 - Control phase: Maintaining improvements over time
 - Control tools: Control charts, dashboards, monitoring systems
 - Developing a control plan for project sustainability
 - Risk management: Identifying potential risks and mitigating them during project execution

- **Day 05**

- Case Studies, Best Practices & Certification Preparation**

- Case studies of successful Lean Six Sigma project implementations
 - Lessons learned from real-world project failures and successes
 - Group activity: Applying Lean Six Sigma to a mock project
 - Review of key Lean Six Sigma tools and techniques

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 14, 2025	April 18, 2025	5 days	4950.00 \$	Spain - Barcelona
Sept. 8, 2025	Sept. 12, 2025	5 days	4250.00 \$	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Dec. 29, 2025	Jan. 2, 2026	5 days	4250.00 \$	UAE - Abu Dhabi
Oct. 26, 2025	Oct. 30, 2025	5 days	2150.00 \$	Virtual - Online