



Quality Management & Operational Excellence

Lean Six Sigma for Operations

Course Introduction

BOOST is proud to offer this comprehensive **Lean Six Sigma for Operations** course, designed to equip professionals with the knowledge and tools necessary to drive operational excellence. This course integrates Lean principles with Six Sigma methodologies to optimize processes, reduce waste, and improve overall efficiency. Participants will gain a deep understanding of data-driven decision-making, process improvement techniques, and strategic problem-solving to enhance business performance.

Target Audience

- Operations Managers and Team Leaders
- Quality Assurance and Process Improvement Professionals
- Supply Chain and Logistics Managers
- Manufacturing and Production Professionals
- Business Analysts and Project Managers
- Anyone involved in process optimization and operational excellence

Learning Objectives

- Understand Lean Six Sigma fundamentals and their impact on operational efficiency.
- Identify and eliminate process inefficiencies using Lean methodologies.
- Apply Six Sigma tools to reduce variation and improve quality.
- Utilize data-driven decision-making for continuous improvement.
- Implement Lean Six Sigma strategies to enhance productivity and cost-effectiveness.
- Develop a culture of continuous improvement within an organization.

Course Outline

• 01 DAY ONE

Introduction to Lean Six Sigma

- Overview of Lean and Six Sigma methodologies
- Understanding operational excellence
- The DMAIC framework (Define, Measure, Analyze, Improve, Control)

Identifying customer value and process efficiency

• 02 DAY TWO

Lean Principles for Waste Reduction

- The five Lean principles and their application
- Identifying and eliminating the eight types of waste
- Value Stream Mapping (VSM)
- Kaizen and continuous improvement practices

• 03 DAY THREE

Six Sigma Methodologies for Quality Improvement

- Introduction to statistical process control
- Root cause analysis techniques (5 Whys, Fishbone Diagram)

- Data collection and process capability analysis
- Measurement system analysis and variation reduction

• 04 DAY FOUR

Process Optimization and Problem-Solving Tools

- Using FMEA (Failure Modes and Effects Analysis) for risk management
- Process mapping and redesign for efficiency
- Lean tools (Kanban, 5S, SMED)

• 05 DAY FIVE

Implementing and Sustaining Lean Six Sigma

- Change management and leadership in Lean Six Sigma projects
- Measuring success and key performance indicators (KPIs)
- Developing a continuous improvement culture

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 21, 2025	April 25, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
July 21, 2025	July 25, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 7, 2025	Sept. 11, 2025	5 days	2150.00 \$	Virtual - Online
Oct. 19, 2025	Oct. 23, 2025	5 days	4250.00 \$	KSA - Riyadh