BLACKBIRD FOR TRAINING

Lean Six Sigma

13 – 17 June 2027
Cairo (Egypt)



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Ref: 3254343_166266 **Date:** 13 – 17 June 2027 **Location:** Cairo (Egypt) **Fees:** 4900 GBP

Introduction

In today's competitive landscape, businesses are constantly seeking ways to maximize efficiency, minimize waste, and boost quality to maintain an edge. What is Lean Six Sigma? It is a powerful methodology that combines Lean principles focused on eliminating waste and enhancing process flow with Six Sigma techniques which reduce variation and defects. This integration provides a holistic approach to achieving operational excellence. Through Lean Six Sigma training, participants gain both the practical tools and the data-driven mindset needed to deliver consistent, measurable improvements across their organizations. This Lean Six Sigma course is designed to provide a deep understanding of the Lean Six Sigma methodology and equip professionals with the skills needed to lead transformative projects.

Course Objectives

- Comprehensive Understanding: Gain a comprehensive understanding of Lean Six Sigma principles and their vital role in driving business success.
- Opportunity Identification: Learn how to identify and prioritize opportunities for improvement to achieve impactful results using Lean and Six Sigma principles.
- Project Leadership Skills: Acquire essential skills and tools to lead Lean Six Sigma projects effectively, delivering measurable outcomes.
- Culture of Continuous Improvement: Develop a culture of continuous improvement to support long-term operational excellence.
- Stay Current with Best Practices: Stay current with emerging Lean Six Sigma methodologies and best practices to remain competitive in the market.

Course Outlines

Day 1: Introduction to Lean Six Sigma

- Overview of the Lean Six Sigma methodology and its evolution.
- Understanding the DMAIC Define, Measure, Analyze, Improve, Control framework, the cornerstone of Lean Six Sigma steps.
- Key principles: Customer focus, Process optimization, and Data-driven decision-making.
- Case studies on successful Lean Six Sigma implementations and their impact on business performance.



Day 2: Define Phase

- Defining project goals and objectives using Lean Six Sigma principles.
- Conducting stakeholder analysis and Voice of the Customer VOC analysis.
- Identifying Critical-to-Quality CTQ elements and developing project charters.

Day 3: Measure Phase

- Techniques for process mapping and value stream analysis.
- Methods for effective data collection and sampling.
- Tools for process performance measurement, including Measurement System Analysis MSA and capability analysis.

Day 4: Analyze Phase

- Root cause analysis techniques 5 Whys, Fishbone diagram, Pareto analysis.
- Hypothesis testing and experimentation for identifying problem sources.
- Failure Mode and Effects Analysis FMEA to prioritize improvement opportunities.

Day 5: Improve and Control Phases

- Generating and selecting solutions using Lean tools 5S, Kanban, Poka-Yoke.
- Implementing and controlling process changes through Lean Six Sigma principles.
- Developing control plans, monitoring systems, and standardization practices for sustainable improvements.

Why Attend this Course: Wins & Losses!

- Gain a strong foundation in Lean Six Sigma foundations and practical skills to apply in real-world scenarios.
- Prepare for the best Lean Six Sigma certification by mastering each phase of the DMAIC process.
- Learn how to reduce operational inefficiencies, improve quality, and create lasting value within your organization.
- Understand the cost of Lean Six Sigma training and how it translates into measurable ROI for businesses.
- Become an indispensable contributor by implementing Lean Six Sigma methodologies that drive business success.

Conclusion

By the end of this Six Sigma training course, participants will have a solid foundation in Lean Six Sigma methodologies and practical experience with each step of the DMAIC process. Graduates will be equipped to reduce operational inefficiencies, improve quality, and create lasting value within their organizations.



Whether pursuing a Lean Sigma Six certification or enhancing professional skills, this course empowers participants to become leaders in driving continuous improvement and achieving operational excellence.

