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What is Lean Six Sigma Master Black Belt Training?

A signifier of career excellence and knowledge of advanced statistical analysis, the Lean Six Sigma Master Black Belt certification is a much sought-after qualification, that demonstrates strategic planning abilities and high-level managerial competence. Upon undertaking this Master Black Belt Course, candidates will be fully aware of various business improvement approaches - through statistically identifying where dysfunctional and resource-consuming business processes exist.

Upon completion of this Lean Master Black Belt training course and after gaining the Six sigma Certification, candidates will be able to apply Lean Six Sigma principles to a variety of business sectors including marketing, sales, and high-level management. Consisting of a mixture of instructor-led lectures and engaging interactive workshop exercises, this course allows the development of extensive and applicable knowledge - encouraging candidates to instantly utilise their newly attained skills in their respective businesses.

As a synergy of advanced Lean and Six Sigma principles, candidates will learn how to ameliorate productivity and decrease defective processes including overproduction, time delays, transport issues, dysfunctional processing, and excessive resource inventories. This training course is led and assessed by our Master Black Belt Instructor, who possesses a PhD in Lean Six Sigma -giving candidates the opportunity to develop their knowledge significantly and get the best value for money possible. In addition to improving upon a business' resource expenditure and management processes, the certification is extremely beneficial for individuals looking to enhance their career as the certification lasts indefinitely and does not expire.

Individuals are required to have a Lean Six Sigma Black Belt training qualification prior to undertaking this Master Black Belt Training Course, which can be achieved through Silicon Beach's extensive Lean Six Sigma Training Process.

Lean Six Sigma Master Black Belt Exam

In order to gain Lean Master Black Belt certification, individuals must undertake two assessments and achieve a 50%+ Pass Mark:

- Test 1: 50-Question Exam lasting 120 minutes
- Test 2: 70-Question Exam lasting 150 minutes

Course Objectives

At the conclusion of this Lean Master Black Belt Certification Course, candidates will understand how to:

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- Implement the robust and structured Six Sigma DMAIC Principles
- Lead Lean Six Sigma Projects? and Manage Green/Black Belts
- Appreciate the importance of the customer's voice
- Appropriately conduct advanced statistical analysis to discover dysfunctional business processes
- Conduct Financial Project Appraisals
- Influence employees to adhere to the Lean Six Sigma techniques
- Manage and oversee multiple Six Sigma Projects simultaneously

This Lean Six Sigma Master Black Belt Certification covers topics to give candidates extensive and applicable knowledge of Lean Six Sigma Principles including:

- Project Management v Team Leading
- Identifying Scope of Projects
- Managerial Qualities required to lead Black Belts
- Utilising advanced Business Strategies to Improve Upon Project Delivery
- Managing Clients and Stakeholders
- Appraisals, Reviews, and Utilising Feedback
- Enhancing Productivity
- Effective and Logical Decision Making
- Developing Documentation
- Contingency and Risk Planning

Data Analysis Techniques

- Pareto and Frequency charts
- Process Mapping and Analysis Value Stream Analysis Complexity
- Cause-Effect Diagram & 5 Why's
- Central Limit Theorem
- Normality and Confidence Intervals
- Capability Studies
- Correlation and Regression
- Design of Experiments (DoE)
- Full Factorial Analysis
- Stratification Box Plots

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