

Lean Six Sigma Black Belt Step Up Accelerated Instructor-Led Training (3 Days)

Price (including internal
exam + certification) :

This course is for those who have completed Green Belt Certification and wish to upgrade to Black Belt

Classroom Based : \$1,950 + GST

Introduction

- The Black Belt Step Up Accelerated Course is designed to improve process performance, deliver medium to high impact projects and achieve significant cost savings.
- The Certified Lean Six Sigma Black Belt is a professional who can explain Lean Six Sigma philosophies and principles, including supporting systems & tools.

Objectives

- To demonstrate team leadership, understand team dynamics and assign team member roles and responsibilities.
- To gain thorough understanding of all aspects of the DMAIC model in accordance with Six Sigma principles.
- To gain knowledge of Lean enterprise concepts and be able to identify non-value-added elements and activities

Course Content

Session 1: Define & Measure Phase (Day 1)

- Quality Function Deployment
- MGPP – Multi Generation Project Plan
- Advanced VSM (Production)
- Measurement Systems Analysis (MSA)
- LSS Define & Measure Phase Deliverables



Session 2: Analyze Phase (Day 2)

- 3x5 Why Analysis
- Bubble Plots
- Process Capability Advanced Non-Normal Data
- Attribute Process Capability DPU
- P-Value & Normality Test
- Test of Equal Variance (TOEV)
- Normal Data Analysis
 - 1 Sample T-Test
 - 2 Sample T-Test
 - ANOVA Test
 - TOEV
- Non-Parametric Analysis
 - 1 Sample Wilcoxon
 - Mann-Whitney Test
 - Kruskal-Wallis Test
- Proportion Tests
 - 1 Proportion Test
 - 2 Proportion Test
 - Chi-square Test
- LSS Analyze Phase Deliverables

Improve & Control Phase (Day 3)

- Advanced Lean Enterprise & Solutions
- Digital Solutions – IOT IR4.0
- Advanced SPC Control Charts
 - P Chart
 - NP Chart
 - C Chart
 - U Chart
- LSS Improve & Control Phase Deliverable / Project Example



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Who Should Attend :

Chief Executive Officers, Managing Directors, Executive Officers, General Managers, Managers, Executives, Engineers and Continuous Improvement Specialists and Others.

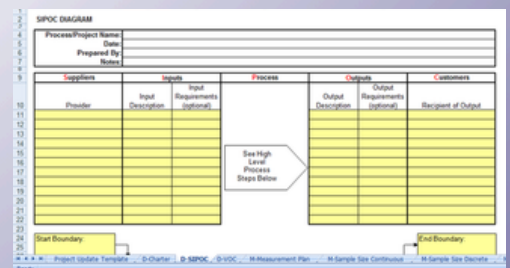
Departments

Business Process Improvement, Change Management, Continuous Improvement, Project Management, Industrial Engineering, Production Management, Quality Management, Logistics, Contract Department, Innovation Department, Commercial Department, Business Development, Strategic Planning, Human Resource, Finance and Others.

Minitab During Black Belt Lean Six Sigma Training

Where applicable, during the training course, our consultants will provide the participants with training on how to analyse Quality data using the Minitab software which is widely used by Lean Six Sigma practitioners.

Example of Minitab Software:



Examination & Certification : We will administer an examination for the participants upon completion of their training. The examination consists of the following (on last day of training):

LSS Black Belt Level (Internal Exam & Certification)

Exam Type: Multiple Choice Questions
No. of Questions: 50 Questions
Examination: Open Book Examination
Passing Rate: 70% and above
Duration of Exam: 2 hours
Location of Exam: At training location
Cost: Inclusive of training

Our consultants will also provide candidates with useful excel quality templates & tools

For further enquiries:

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