Lean Six Sigma Green Belt — Instructor–Led Comprehensive Online Training (5 Days)

Price: $2,200 + GST (Includes Examination & Completion Certification)

Objectives

- The Green Belt Course is designed to improve process performance, deliver medium to high impact projects and achieve significant cost savings.
- Lean Six Sigma Green Belt is designed to acquire the special skills and knowledge required before leading or taking part in any continuous improvement project.
- Green Belts will effectively use the Lean Six Sigma tools throughout their organization, customers, and suppliers for achieving business improvement results.
- Green Belts will gain thorough understanding of all aspects of the DMAIC model in accordance with Six Sigma principles.
- Green Belts will gain knowledge of Lean enterprise concepts and will be able to identify non–value–added elements & activities.

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 & Others.

Who Should Attend

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

Course Content & Timing Plan

Define Training [Day 1]

Phase 1 (9am – 1pm)
- Introduction & Overview of Lean and Six Sigma
- The 7 Wastes – TIMWOOD
- Cost of Poor Quality (COPQ)
- Drill Down Tree
- Pareto Charting
- Project Charter Development / Project Selection Matrix

Phase 2 (2pm – 5.30pm)
- Voice of Customers (VOC)
- Kano Model / Analysis
- SIPOC – Supplier, Input, Process, Output Customers
- Basic Process Mapping
- Financial Analysis & Cost Savings

Measure Training [Day 2]

Phase 1 (9am – 1pm)
- Root Cause Analysis (RCA) Tools
  - Fishbone Analysis
  - 5 Why Analysis
  - 5W 1H Reporting Structure
- Operational Definition & Data Collection Plan
- Basic Measurements & Sampling Techniques

Phase 2 (2pm – 5.30pm)
- Capability Analysis & Sigma Value
- Basic Value Stream Mapping
- Detailed Process Mapping
  - Value Analysis – VA, NVA, VE
- Failures Modes & Effects Analysis (FMEA)
- Introduction to Process Excellence Statistics

Analyse Training [Day 3]

Phase 1 (9am – 1pm)
- Graphical Analysis
  - Pareto Charts
  - Box Plots
  - Run Charts
  - Dot Plots
  - Scatter Plots
  - Matrix Plots
  - Histograms
  - Time Series Plots

Phase 2 (2pm – 5.30pm)
- Basic Statistical Analysis
- P–Value, Test Statistics, Hypothesis, Regression, Correlation Analysis
- RCA Tools (7QC Tools) & A3 Reporting
- Summarising Potential Factors & Potential Solutions
- Generating Improvement Ideas
- Evaluating & Selecting Best Solutions

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Course Content (Cont.)

Improve Training [Day 4]

Phase 1 (9am – 1pm)
- Generating Improvement & Lean Ideas
- Develop & Execute Pilot Plan
- Solution & Training Implementation Plan
- Workshops & Case Studies

Phase 2 (2pm – 5.30pm)
- Lean Concepts & Error Proofing / Kaizen
- Cost & Benefit Analysis (ROI)
- Video Analysis

Control Training [Day 5]

Phase 1 (9am – 1pm)
- Control Plans Development
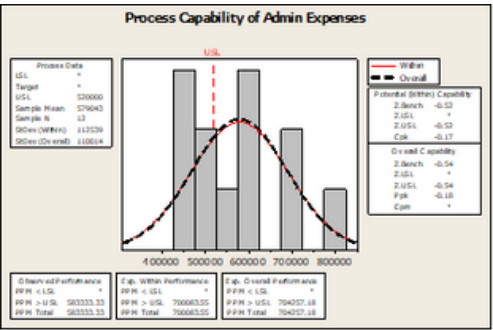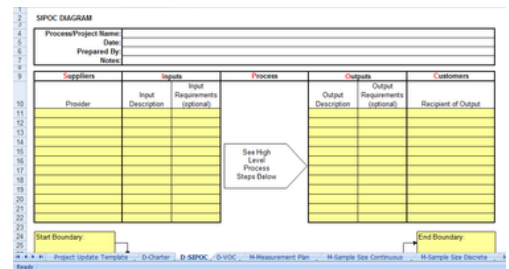- Standard Operating Procedures (SOP)
- Statistical Process Control (SPC)

Phase 2 (2pm – 5.30pm)
- Process Control Charts
- Best Practice & Replication Opportunities
- Process Ownership & Dashboards

Minitab & Project Templates during Green 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:

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

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 Green Belt Level (Internal Exam & Certification)

Exam Type:	Multiple Choice Questions
No. of Questions:	35 Questions
Examination:	Open Book Examination
Passing Rate:	70% and above
Duration of Exam:	1 Hour
Location of Exam:	Online
Cost:	Inclusive of training

For further enquiries:

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