

Lean Six Sigma GREEN BELT Public / Individual Training Program

In - House / Group Training Available (Upon Request)



INTRODUCTION

The Green Belt Course is designed to improve process performance, deliver medium to high impact projects and achieve significant cost savings.

Six Sigma Green Belt is designed so that people acquire the special skills and knowledge required before leading or

Green Belts will effectively use the Six Sigma tools in their organization, with 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 ele-

Duration = 6 Days

COURSE CONTENT / CURRICULUM

SESSION 1: DEFINE & MEASURE PHASE / 2 Days

- ◆ Introduction & Overview of Six Sigma
- ◆ Cost of Poor Quality (COPQ)
- ◆ Drill Down Tree & Pareto Chart
- ◆ Project Charter Development
- ◆ Teams & Stakeholder Analysis
- ◆ Voice of Customers (VOC) & Kano Model
- ◆ SIPOC & Basic Process Mapping
- ◆ Financial Analysis and Cost Savings
- ◆ Root Cause Analysis (RCA) Tools
- ◆ Operational Definition
- ◆ Data Collection Plan
- ◆ Basic Statistics and Sampling Techniques
- ◆ Capability Analysis and Sigma Value
- ◆ Graphical & Value Analysis
- ◆ Detailed Process Mapping
- ◆ Fishbone Diagram
- ◆ Failure Modes and Effects Analysis (FMEA)

SESSION 2: ANALYZE PHASE / 2 Days Hypothesis Testing

- Type 1 & Type 2 error
- Degree of Freedom
- Power and Sample Size
- 1 Sample t-Test
- 2 Sample t-Test
- Paired t-Test
- ◆ Statistical Root Cause Analysis
- ◆ Advanced Graphical Analysis
 - Sigma Value / Z-Bench
 - Graphical Tools for Statistics
 - Pareto Charts
- One way ANOVA
- Two way ANOVA
- Test of Equal Variance (TOEV) Tables
- 1 Proportion Test
- 2 Proportion Test
- Chi-Square Test

- Run Charts
- Dot Plots
- Scatter Plots
- Matrix Plots
- Histograms
- Time Series Plots
- ◆ Regression Analysis
 - Correlation Analysis
 - Simple Linear Regression
 - Multiple Regression
 - Best Subset Regression

- ◆ Value Stream Mapping (VSM)
- ◆ Summarising Potential Factors and Potential Solutions

SESSION 3: IMPROVE & CONTROL PHASE / 2 Days

- ◆ Generating Improvement Ideas
- ◆ Evaluating & Selecting Best Solutions
- ◆ Solution & Training Implementation Plan
- ◆ Develop & Execute Pilot Plan
- ◆ Lean Concepts and Error Proofing / Kaizen
- ◆ Cost & Benefit Analysis (ROI)
- ◆ Process Control Plan
- ◆ Standard Operating Procedures (SOP)
- ◆ Statistical Process Control (SPC)
- ◆ Best Practice and Replication Opportunities

METHODOLOGY

- ◆ Simulation
- ◆ Activities
- ◆ Own Software
- ◆ Own Books
- ◆ Q & A
- ◆ Group Discussions
- ◆ Case Study
- ◆ Talk over Tea
- ◆ Networking



SIX SIGMA - CORE TRAINING:

- Champions Level Training
- Yellow Belt Level Training
- Green Belt Level Training
- Black Belt Level Training
- Management Awareness Level Training
- Lean Six Sigma Black Belt Step-up Training

SIX SIGMA - SPECIAL COURSES:

- Statistical Analysis Tools in Six Sigma (SATSS)
- Supplier Development Programme (SDP)
- Operational Cost Reduction Programme (OCRP)
- Project Management with Six Sigma (PMSS)
 - Introduction to Statistics
 - Basic Statistics
 - Statistical Quality Analysis (SQA)
 - Factorial Designs
 - Design of Experiments (DOE)
- Process Excellence Quality Training (PEQT)

SIX SIGMA - CONSULTANCY SERVICES:

- Project Identification Sessions
- Project Selection Sessions
- Project Coaching Sessions
- Project Tollgate Sessions

QUALITY MANAGEMENT:

- Lean Enterprise Training Programme
- Value Stream Mapping (VSM Current & Future State)
 - 7 QC Tools & QCC / QIT
- Root Cause Analysis Programme (RCA)
 - Lean Operations Management
- Total Productive Maintenance (TPM)
- Quick Changeover / SMED & Poka-Yoke
 - 5S and 8 Wastes in Kaizen
 - Problem Solving Tools
- Toyota Production System (TPS)
 - Cellular Manufacturing
- Overall Equipment Effectiveness (OEE)
 - Statistical Process Control (SPC)
- Failure Mode and Effects Analysis (FMEA)
 - Measurement Systems Analysis (MSA)
 - Total Quality Management (TQM)
- Effective Purchasing, Inventory & Store Management
 - Quality Function Deployment (QFD)
 - Lean Innovation Workshop
 - Lean Transformation Programme (LTP)

[We Provide In - House / Group Training In Malaysia](#)

[List of Companies That Joins Our Training Programs](#)

Production, Manufacturing, Industries, Management, Sales & Marketing, Human Resource, Hotels, Construction, Motor Vehicle Manufacturer, Banks, Chemical, Department Stores, Electronic Company, Energy, Media, Oil & Gas, Retail, Refinery, Steel, Telecommunications, Food & Beverage, Factory & Engineering

[Click Here To Learn & Know More About Lean Six Sigma](#)

[List of Six Sigma Training Programs](#)

[Stage 1](#)

The Yellow Belt Participants will have in depth knowledge of Lean Six Sigma and the five phases applied in practical terms

[Stage 2](#)

The Green Belt Course is designed to improve process performance, deliver medium to high impact projects and achieve significant cost savings

[Stage 3](#)

The Black Belt Accelerated will gain knowledge of Lean Enterprise concepts and will be able to identify non-value added elements and activities

100% HRDF Claimable Training

[Training Inquiries:](#)

[Contact](#)



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