

MBizM™ Lean Six Sigma **GREEN BELT PROGRAMME**



INTRODUCTION

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

Duration = 10 Days

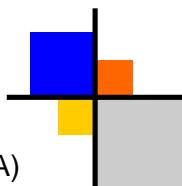
COURSE CONTENT / CURRICULUM

SESSION 1: DEFINE THE PROJECT (D) / 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

SESSION 2: MEASURE THE PROJECT (M) / 2 Days

- ◆ Root Cause Analysis (RCA) Tools
- ◆ Operational Definition
- ◆ Data Collection Plan
- ◆ Basic Statistics and Sampling Techniques
- ◆ Capability Analysis and Sigma Value
- ◆ Graphical & Value Analysis
- ◆ Fishbone Diagram
- ◆ Failure Modes and Effects Analysis (FMEA)



SESSION 3: ANALYSE THE PROJECT (A) / 2 Days

- ◆ Statistical Root Cause Analysis
- ◆ Hypothesis Testing
- ◆ Advanced Graphical Analysis
- ◆ Regression Analysis
- ◆ Value Stream Mapping (VSM)

SESSION 4: IMPROVE THE PROJECT (I) / 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)

SESSION 5: CONTROL THE PROJECT (C) / 2 Days

- ◆ Process Control Plan
- ◆ Standard Operating Procedures (SOP)
- ◆ Statistical Process Control (SPC)
- ◆ Best Practice and Replication Opportunities
- ◆ Process Ownership and Dashboards

Additional Curriculum:

- ◆ Quality Function Deployment (QFD)
- ◆ Design of Experiments (DOE)

Presented By:



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