



Lean Six Sigma Black Belt

Quick View

Program Objectives

- Impart an understanding of advanced Six Sigma methods
- Equip with skills to identify and implement Black Belt level Six Sigma projects and facilitate organizational change for sustainable results

Duration: 5 Days

Batch Size: Twelve (12) only

Participant Profile

- Candidates desirous of Lean Six Sigma Black Belt level qualifications
- Green Belt Course Completed (Passed) with 3+ years work exp. in Manufacturing, IT, BFSI, ITES/ BPO/ KPO/ ITIM, Services, other industries and Graduate/Diploma qualified.

Assessment

- Written Test (Multiple Choice Objective type - 2 hours)

Certification

- Black Belt (Participation and Course Completion) Certificate

Computing Facilities

- Laptop with Microsoft Excel (Ver-2003) running on Windows XP



Course Outline

Overview

- Organization Purpose, Challenges and imperatives
- Six Sigma and Business Strategy Alignment
- Green Belt Review

Define

- Project Identification (Affinity, IR Diagram and Prioritization Matrix)
- Gathering VOC and Translating to CTQ (QFD)
- Project Scoping, Business Case and Project Charter
- Team Definition, Roles and responsibilities
- Stakeholder and Risk Analysis (Force Field, T-MAP)
- Project Planning and management (Gantt Chart/AN Diagram)

Measure

- Detailed Process Mapping (Sphagetti Diagram, VSM)
- Productivity Metrics (Takt & Touch Time, WIP/WIQ, RTY)
- Measurement system analysis (MSA) and Gage R&R
- Probability Distributions - Discrete and Continuous data
- Sampling Distribution and Central Limit theorem
- Non-normal data transformation
- Measuring process performance and capability
- Measure Phase Review

Analyze

- Cause-Effect relationship models
- Correlation and Regression (Non-Linear/Logistic)
- Multivariate Data Analysis concepts (PCA/DA)
- Hypothesis Testing (Mean, Variance, proportions, Non-parametric)
- Sample Size Estimation (Means and Proportions)
- Analysis of Variance (one-way and two way)
- VSM analysis and Benchmarking
- Analyze Phase Review

Improve

- Design of Experiments Concepts and Planning
- Full, Fractional Factorial and Orthogonal Array (OA) experiments
- Pull/Flow technique, Kanban and Quick Changeover
- Piloting and Implementation Planning (Simulation)
- Solution Risk identification and mitigation (SWOT, PEST, FMEA)
- Improve Phase Review

Control

- Control Chart Design and implementation (Attribute and Variable)
- Control chart analysis and interpretation
- 5S, Visual Controls, TPM, Standardization and Mistake proofing
- Control and Transfer plans
- Control Phase Review

Feedback and Assessment



Lean Six Sigma - Black Belt

WHAT DO PARTICIPANTS THINK OF OUR PROGRAM?

The best trainer, best courseware and best training delivery. Good ROI and less TCO!! You folks are really "good" and friendly towards the participants!! Program met 100% of expectations and I got 200% value for the fees paid!! Definitely recommend colleagues and 100% applicable in my work environment. My rating: 10 / 10 - **Senior Manager - IT and Head PMO (A leading Financial Services group, Mumbai)**

Very useful and interactive! Tough subject dealt very well. Learned coach, very presentable and an expert!! Information well shared. Got 100% value, 100% applicable in work, definitely recommend. My rating: 10 / 10 - **CFO and Controller (An International System Integration Consulting firm)**

The most cost effective yet value adding program I have ever attended!! What I like about the instructor is his passion. His love for Six Sigma!! He not only believes that it works but has an experience that it does work. I have no improvement suggestions, everything was laser sharp!! Program met 100% of my expectations, got 100% value and will definitely recommend the program for sure. It is also 100% applicable in my work environment!! My rating: 10 / 10 - **Manager - Client Relationship (A fast growing IT and Outsourcing solutions firm)**

The way program was conducted and the case study provided was great!! Very easy to understand. Will definitely recommend this program! My rating: 10 / 10 - **Manager - Account Payable (A leading MNC F&A Outsourcing firm)**

A very good initiative for success of business. Very structured and focussed program. Very good understanding of the subject and conveying the same to the participants. V. Good !! My rating: 10 / 10 - **Head - Quality Assurance (A UK MNC and Global leader in Fine Chemicals, Mumbai)**

Training was good!! I was amazed with the trainer's talent of remembering names at the first sight!! His presentation skills are really good!! I will definitely recommend this program to friends and colleagues. It has applicability to a great extent in my work environment!! My Rating: 10 / 10 - **Sr. Software Engineer (A Top MNC Consulting, Tech & Outsourcing firm, Chennai)**

Program was well guided. Details and perspective were very clear!! The Software tool introduced was very friendly!! Got 100% value for fees paid, time spent and it met 100% expectations. Will definitely recommend to colleagues and 100% applicable in my work area!! My rating: 10 / 10 - **Quality Systems Engineer (A mid sized IT Services firm, Bangalore)**

For past program photos gallery visit
<http://www.flickr.com/photos/13585710@N03/sets/72157607215724116/show/>



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LEAN SIX SIGMA BLACK BELT PROGRAMS - A COMPARISON

We present a quick comparison of our Six Sigma Green Belt program with competitor offerings

Aspect/ Feature	eXample's Programs	Competitor Programs	Our program benefits
Frequency	Every 4-6 months (metros)	Unknown	Convenient to enroll
Program Conduction	100% as per schedule	Often cancelled	Experience certainty!!
Program Timing	During weekends (always)	Mostly Week days	Save Leave / Avoid Absenteeism
Program Orientation	Highly Practical, combines Lean & Application driven	Theoretical / Academic oriented	Gain execution skills, deliver business results
Facilities	Laptop provided	Laptop not provided	Enhanced program value
International Certification	Offered (Optional) (from eXample USA)	Unknown / Do not offer	Global acceptance
Quality/Reputation	Visit www.examplecg.com for participant feedback	Unknown/Unclear/Do not present ratings	Take informed decision
Price	Honest and Affordable (includes all taxes (MRP))	High / Exorbitant (taxes extra)	Direct cost savings Same budget-Train more
Program Credits	Earn 40 PDUs	No PDUs / Unclear	Much More value to you
Post Program Support	Provide Project guidance and mentoring - FREE	Unknown / Unclear / Chargeable	Help always at hand
Practitioner Certification	Provides mechanism to assess your project for achieving Full certification	Unknown / Do not offer	Clear Roadmap and planned progression
Value realized	Beats your expectations!!	Unknown / Unclear	Enroll and experience it!!