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 stainable business 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 2+ years work experience in Manufacturing, IT/Technology, BFSI, ITES/ BPO/ KPO/ ITIM, Services or any other industries.

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

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Metric
Methodology
Philosophy.

WHAT DO PARTICIPANTS THINK OF OUR PROGRAM?

The best trainer, best course-ware, best delivery of training. 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**!! Will 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 and definitely recommend to colleagues.
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)

I will definitely recommend this program to colleagues
My Rating: 10 / 10 - Senior Software Engineer (A top US MNC Global Services firm, Bangalore)

A very good initiative for success of business. Very structured and focussed program. V.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)

Please visit www.examplecg.com/services/past%20program.html for past program highlights

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DEFINE · MEASURE · ANALYZE · IMPROVE · CONTROL

SIX SIGMA (DMAIC)

CLIENTS AND PARTICIPANT REPRESENTATION

accenture — High performance. Delivered.
Motorola
intel
IBM
ORACLE
hp invent

Infosys
patni — World-Wide-Partnerships, World-Class Solutions
vodafone
Tech Mahindra
i-flex solutions
Infotech — Creating Business Impact

GFT
NORTEL
AVAYA
ReLIANCe Communications — Anil Dhirubhai Ambani Group
POLARIS — live your dream

DIRECTV.
KYOCERA
L&T INFOTECH — Building relationships globally
Zenith SOFTWARE LTD — knowledge @ work
SAFRAN

VSNL
manthan systems
Integra
TVS Infotech — Energizing growth
SYNTEL — >Consider IT Done®

BNP PARIBAS
HSBC
TESCO
GE Money
JPMorgan

3
AVIVA
FRANKLIN TEMPLETON INVESTMENTS
TATA — TATA CONSULTANCY SERVICES
WNS — Extending Your Enterprise
GENPACT — Global Business Impact™

citibank
ICICI Bank
RSM McGladrey
Optimus — Outsourcing Company Ltd.

RESPONDEZ
NITTANY
ING
SlashSupport
ZENTA

Goldshield
IL&FS INVESTSMART
FIRSTAdvantage — Facts first.
aegis
ALLSEC

EVALUESERVE — Expert Knowledge Services
Emirates Bank
ugam SOLUTIONS
INDECOMM GLOBAL SERVICES — PARTNERSHIPS @ WORK
ICICI Lombard — GENERAL INSURANCE

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CLIENTS AND PARTICIPANT REPRESENTATION

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SIX SIGMA BLACK BELT PROGRAMS – A COMPARISON

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

Aspect/ Feature	eXample's Program	Competitor Programs	How you benefit?
Frequency	Once every 4-6 months	Once in a year	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 and Application oriented	Theoretical / Academic oriented	Gain execution skills and capabilities
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 client/participant feedback	Unknown/Unclear	Take informed decision
Price	Honest and Affordable	High (even Exhorbitant!)	Direct cost savings Same budget-Train more
Price Structure	Includes all taxes (MRP)	Taxes Extra	Transparent pricing
Post Program	Provide Project guidance and mentoring - FREE	Unknown / Unclear	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!!

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FEES AND INSTRUCTIONS

B. Program Fee (per participant, including service tax)

Enrollment Category	Individuals	Company Sponsored
Indian Nationals (eXample's Clients)	INR 24,990	INR 28,990
Indian Nationals	INR 25,990	INR 29,990
Non-Resident Indians (NRI)	USD 700	USD 800
Foreign Nationals	USD 850	USD 950

(Indian National means a Citizen of India currently permanently resident and working in India)

B. Program Fee is inclusive of:

- **Course materials**
- **Training services**
- **Lunch and Refreshments**
- **Usage of Laptop with Six Sigma software (twin sharing)**
- **Assessment Test** (first time)
- **Black Belt Certificate** (Ref "C" below) and
- **Service tax (@12.36%)**

Honest Price Guarantee

The program shall be conducted in an **immensely practical manner** through **examples, illustrations, case studies, games, group work, data analysis and Q&A sessions** with sharp focus on **Six Sigma for business results.** It shall leverage **eXample Consulting group's** standardized and world class **Six Sigma templates** to impart advanced and structured **"Black Belt" Level** competency to the participants.

Note: Candidates can also bring their own laptop (Configuration – 256 MB RAM, 40 GB HDD, Windows XP with MS Excel-2003 and XL-Analysis Tool pack/VBA installed and working). The Six Sigma software and exercise data sets shall be installed to the participant's laptop at the venue.

C. Certification Information

- All participants shall be awarded a **"Black Belt" participation certificate** on the concluding day.
- Those participants who obtain **minimum 75.0% score** in the assessment test to be held on the concluding day of the program shall receive a **"Black Belt" Course Completion certificate**.
- Candidates who achieve course completion status and employed (or) pursuing **International assignments** may wish to also acquire **"Black Belt Course Completion certificate"** from **"eXample USA",** for which an **additional sum** of **INR 9000** (incl. tax) is payable.

D. How to Register?

- Please refer "**Registration and Payment Instructions**" section below for details
- **Registration shall close** 5 days before program start date (or) till seats fill up, whichever is earlier

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TRAINING REGISTRATION FORM

Registration for: **LEAN SIX SIGMA BLACK BELT – TRAINING AND CERTIFICATION WORKSHOP**

Location: Bangalore, India   **Dates:** 25, 26, 27 July and 2, 3rd August 2008
(The Orchard Suites, Infantry Rd.)   (9.00 AM TO 5.30 PM)

Full Name (Mr/Ms.): _____
(To appear on the certificate- limit to sixteen characters)

Nomination Type: _____ **Age (years):** _____ **Country of residence:** _____
(Company sponsored / Individual)

Designation: _____ **Organization:** _____

Industry sector: _____ **Function:** _____

Academic qualifications: _____ **Industrial exp. (years):** _____

Address (Office): _____

Address (Home): _____

Tel (Office +Ext #): _____ **Telephone (Res):** _____

Mobile: _____ **Will you bring a laptop (Y/N):**_____

E-mail (Official): _____ **E-mail (Pers.):** _____

Previous exposure to 6-Sigma: _____
if any, (Y/N and details)

Key Expectations: _____
(Why enrolling for this program?)

PAYMENT DETAILS

Amount: INR/USD_____ **Payment Mode:** Cheque/DD/EFT (√) **Bank/Branch:** _____

Cheque/DD/Instruction date: _____ **Cheque/DD/Instruction No.:** _____

REGISTRATION AND PAYMENT INSTRUCTIONS

Please refer the following instructions to enable smooth registration and payment.

A. To register

Fill up word doc attached (or) Print/fill registration form herein and scan (or) Copy/Paste the contents at http://www.examplecg.com/services/training_registration_form.html to the body of an E-mail, fill up the all the details and E-mail to sixsigma@examplecg.com (or) courier to our mailing address

B. To remit Program fee

1. By ELECTRONIC FUND TRANSFER (NEFT) **(Fast, Safe, Convenient, Reliable and most preferred)**

This can be done directly from your **Indian, NRI or International Web/Internet Banking A/c** (or) visiting your bank branch and placing a **fund transfer request** using the following details of our Bank account. Execute an **Electronic Fund Transfer** (NEFT) instruction using the following details:

Beneficiary Name:	**eXample India**
Beneficiary Account Type:	Current Account
Beneficiary Bank:	**HDFC Bank**
Beneficiary Account Number:	**00092320005802**
Beneficiary Bank Branch:	**Kasturba Rd, Bangalore 560 001**
Beneficiary Bank IFSC code:	**HDFC0000009**

Make sure to capture the payment transfer details in the "Training Registration Form" payment section

2. By DEMAND DRAFT (DD)

Order **Demand Draft (DD)** favouring "**eXample India**" (payable in **Bangalore)** via your Web / Phone / ATM / Branch Banking facility and instruct to deliver to our mailing address (or) obtain and courier it.

3. By CHEQUE (Cheques of **bank/branch** in the **six metro cities only** are accepted)

Prepare **Cheque** favouring "**eXample India**", make out a pay-in slip favouring our details given above, attach the cheque and deposit at nearest **HDFC Bank** Branch (or) ATM drop box
(Payment by cheque is accepted **till 7 days before** program start date**.** Pl. remit via **EFT / DD** thereafter)

4. By CREDIT CARD (using "Dial-a-Draft" facility)

Call your Bank's **Credit Card phone banking #** and place a "**Dial-a-draft**" request favouring "**eXample India**" payable at **Bangalore** using your Credit card. Obtain DD and send to our mailing address.

5. Non-resident Indians (NRIs) and International candidates can also remit fees via channels given below.

a. Visit www.eventbrite.com, use keyword "**Six Sigma**" to get our program details, choose right ticket category, select quantity (i.e., no. of participants) and pay via **Creditcard (Master/Visa/Paypal)**

b. Use www.remit2india.com (or) www.xoom.com (or) www.westernunion.com to transfer funds favouring **"eXample India"** and credit funds directly into our Bank A/c (Details in Section B1 above)

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SIX SIGMA, LEAN AND DESIGN EXCELLENCE - CERTIFICATION PROGRAMS

Master Black Belt
Practitioner

Black Belt
Practitioner

Green Belt
Practitioner

Employee Awareness
Program

Champion
Training

Executive
Overview
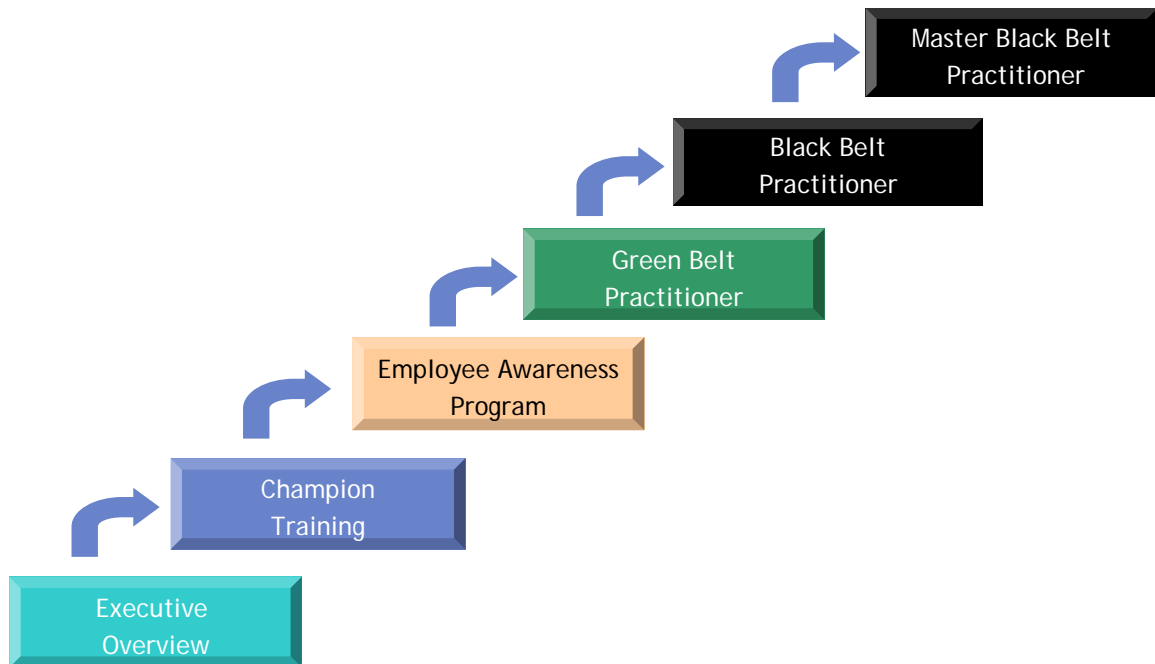
EXAMPLE INDIA - MAILING ADDRESS

MUMBAI	BANGALORE	CHENNAI
Mr. Ram K	**Mr. Sethu V**	**Mr. Sethu V**
eXample India	**eXample India**	**eXample India**
B-504, Vasukamal,	3A, Abhijit Annexe,	Old No 18, New No 10,
Saki Vihar Rd,	11th Cross, Nr. 8th Main,	Meenakshi street,
Andheri East,	Malleswaram,	Perambur,
Mumbai 400 072, India	Bangalore 560 003, India	Chennai 600 011, India
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M: +91-98201 58537	**M: +91-99862 73363**	**M: +91-92824 30968**

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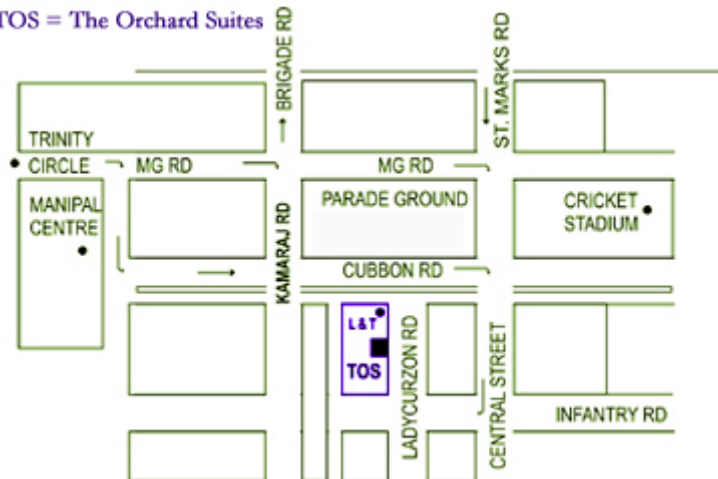**USA • UK • Kenya • India**

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TRAINING VENUE

The Orchard Suites (Infantry road),
#40, Lady Curzon Rd,
(Entry from Infantry Rd / Off Cubbon road),
(Near Larsen and Toubro (L & T) building)
Bangalore – 560 001, India
Phone: +91-80- 4030 0000
Mob: +91 99011 22665
Fax: +91-80-4030 0001
Web: www.theorchardsuites.com

THE ORCHARD SUITES - ROUTE MAP

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