

## **UNIVERSITY OF SANTO TOMAS**

The Graduate School

### **CENTER FOR CONTINUING PROFESSIONAL EDUCATION & DEVELOPMENT AND SIX SIGMA BELT GURU INC.**

#### **LEAN SIX SIGMA BLACK BELT TRAINING AND CERTIFICATION COURSE**

**Course Date:** August 3-4, 10-11, 17-18, 24-25,  
31 & September 1, 7-8, 14-16 2016

**Time:** 8:00am – 5:00pm

**Venue:** Thomas Aquinas Research Complex

#### **Rationale:**

LSS Black Belts are normally full-time practitioners of a Lean Six Sigma Program, who leads big transformational improvement projects for the organization. This training is ideal for existing Green Belts who need to learn more on the advance Lean and DMAIC tools and processes, and will also eventually lead and coach Green Belts and Yellow Belts in LSS projects.

#### **Course Overview:**

Lean Six Sigma DMAIC course prepares participants to perform the role of a LSS Black Belt. The comprehensive curriculum covers everything within the Lean Six Sigma D-M-A-I-C body of knowledge required to successfully achieve Black Belt certifications and performance standards. This course is designed in a way that Lean Six Sigma Black Belt problem-solving tools, techniques and strategies are demonstrated throughout the course. This is a fifteen (15) days training course, that is spread out over four (4) weeks,

with a two (2) weeks break in-between, for the LSS Black Belt students to identify a Lean Six Sigma project in their respective organizations.

The course is completely participative in nature that will incorporate discussions, classroom instruction, and workshop exercises.

The Lean Six Sigma Black Belt training course is comprised of Five modules:

#### **Module 1: Define Phase**

- The Basics of Six Sigma
- The Fundamentals of Six Sigma
- Selecting Lean Six Sigma Projects
- The Lean Enterprise
- Define Tollgate Review

#### **Module 2: Measure Phase**

- Process Definition
- Six Sigma Statistics
- Measurement System Analysis
- Process Capability
- Measure Tollgate Review

#### **Module 3: Analyze Phase**

- Patterns of Variation
- Inferential Statistics
- Hypothesis Testing
- Hypothesis Testing with Normal Data
- Hypothesis Testing with Non-Normal Data
- Analyze Tollgate Review

#### **Module 4: Improve Phase**

- Simple Linear Regression
- Multiple Regression Analysis
- Designed Experiments

- Full Factorial Experiments
- Fractional Factorial Experiments
- Improve Tollgate Review

#### **Module 5: Control Phase**

- Lean Controls
- Statistical Process Control (SPC)
- Six Sigma Control Plans
- Cost Benefit Analysis
- Elements of the Control Plan
- Elements of the Response Plan
- Control Tollgate Review
- Black Belt Certification Process

*\*\*\*Curriculum and schedule may be subject to change without prior notice.\*\*\**

#### **Training Package** includes the following:

- Licensed Training Manual aligned with American Society for Quality (ASQ) and International Association of Six Sigma Certification (IASSC) Body of Knowledge.
- One-Year Minitab® Statistical Software version 17 and Quality Companion Licenses.
- Six Sigma Handbook by Tomas Pyzdek.
- Free eight (8) hours of project support and consulting services (To be arranged with Six Sigma BELT Consultants).
- Arrangement and Conduct of LSS Black Belt Certification Panel Review (If trainee opts to undergo “with project” certification).
- Certification Examination to be administered by UST.

**Program Fees:**

Each participant who enrolls shall pay the:

- a. **Regular Rate:** Php 110,000.00
- b. **Early Tiger Rate:** Php 95,000.00 (Should the participant register and pay the reservation fee on or before July 02, 2016. Otherwise, the regular rate applies.)
- c. Payment can be made by depositing a reservation fee of Php10,000.00 (non-refundable in case you cancel your reservation a week before the program starts) at any BPI branch to Account Name: University of Santo Tomas, Account No. 0151-0000-45.
- d. Please email a copy of the deposit slip, together with the accomplished reservation form to [ust\\_ccped@yahoo.com](mailto:ust_ccped@yahoo.com) before the course date and wait for a confirmation of receipt. You may pay the remaining balance through check payable to the University of Santo Tomas or in cash on the first day of the program at the registration. We discourage walk-in participants.
- e. Full payment is required on the first day of the training.

**Reservation Form:**

YES, I will attend the Lean Six Sigma BLACK BELT Training and Certification Course on August 3-4, 10-11, 17-18, 24-25, 31 and September 1, 7-8, 14-16, 2016 at the UST Graduate School.

Full Name: \_\_\_\_\_  
*First Name M.I. Surname*

Position: \_\_\_\_\_

Company/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Office Tel. No. \_\_\_\_\_

Fax No. \_\_\_\_\_

Cell phone No. \_\_\_\_\_

Email Address: \_\_\_\_\_

Signature: \_\_\_\_\_

**You may reproduce the form for additional participants.**  
*UST:S009-00-FO01*

**For inquires, you may contact:**

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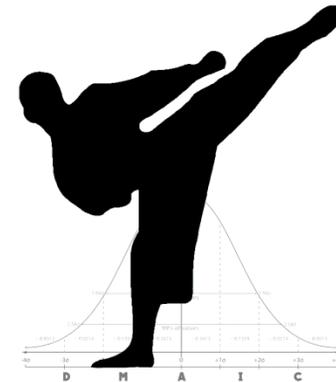
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**AND**  
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**LEAN SIX SIGMA**  
**BLACK BELT**  
**TRAINING AND**  
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