

**PREPARED BY** 





# THE IMPORTANCE OF LEAN SIX SIGMA CERTIFICATION





A brief look-up at the history of Six Sigma gives you an idea on the benefits of its use to a business enterprise. Since its beginning in the early 80s where Motorola introduced it to their business process, the impact of Six Sigma on its bottom line has helped many enterprises to adopt by businesses across industry verticals. Learning Six Sigma and applying its methodologies in your work life can help you to stand apart from the crowd and brings a greater impact to the business as well. Having Six Sigma certification on your resume sets you apart from your uncertified counterparts and demonstrates your business acumen and analytical skills. A certified Six Sigma Black Belt professional is one who has comprehensive knowledge on Six Sigma philosophies and principles, with supporting systems, and tools. A Black Belt credential holder is a leader who understands team dynamics, knows proper role delineation and responsibilities. In fact, they have comprehensive understanding of DMAIC model that is in accordance with Six Sigma principles.



## LEAN SIX SIGMA WITH TEN X



- RPM Academy accredited certification training
- Blended learning method (Online Self-Paced Learning + Classroom Training)
- Six Sigma Black Belt expert trainer
- Access to portal and online course material 24/7
- · Interactive sessions with case studies
- Six Sigma Black Belt practice tests with detailed answers and explanations
- Exam fees included in the training course
- Class schedule made available 30-Days in advance
- Instructor-led training that is always on schedule
- Sigma-XL for Projects/Coursework inclusive of the course fee
- Online Coach available for Q&A via online portal
- Discount vouchers to sign-up with other Ten-X certifications







## **ADVANTAGES OF LEAN SIX SIGMA BLACK BELT CERTIFICATION**

#### **Better Execution**

Six Sigma links strategic initiatives to operational Professionals with Six Sigma Black Belt improvements to create efficiencies for your business.

#### **Build Customer loyalty**

Six Sigma helps to target your customer needs so you can improve the things that matter most to your customers.

#### **Create Greater Returns**

Six Sigma helps to lower the operational costs and reduce the turnaround time in delivery of products and services to bring about higher customer satisfaction.

#### **Certifies your Talent**

The Six Sigma Black Belt credential is proof that you have the experience and skills to deliver quality service that matches customer expectations.

#### Improves your work performance

credentials earn close to ~USD 120,000 with global opportunities.

#### **Opens Doors**

A Six Sigma Black Belt credential can get you access to globally renowned companies of your choice.

#### **Applies Everywhere**

Six Sigma Black Belt certification is based on achieving excellence while providing quality services. The concepts and techniques can be adapted to any real-world challenge across industries, market segments and geographies.





### **ABOUT TEN X**

The Ten X Group is a unique organization which tackles the overall improvement of the Employee Experience across Malaysia. We pride ourselves in providing employees with affordable solutions towards certification attainment. Besides advocating below market priced Lean Six Sigma blended learning methods which allows our attendees to have access to the online course modules 24/7 - we also promise you access to our online coaches coupled with classroom trainings with our certified LSS trainers. Ten-X's goal is to achieve excellence and quality through designing a better employee experience.

#### WHO SHOULD ATTEND?

- Engineers / Professionals / Executives who want to understand Six Sigma as a management tool for process and performance improvement at their work place
- Managers, Project Leaders, Senior Engineers, Black Belt Candidates and anyone who desires an understanding of Six Sigma principles and skills -(Industries/Job Type: Customer Service, Industrial, Service, Hospitality, Management, Senior Management)
- Also production managers, front line supervisors, quality professionals, and individuals who are responsible for improving quality and processes at an enterprise or departmental level, including champions and process owners

## **ELIGIBILITY OVERVIEW**

Six Sigma Black Belt certification training course is beneficial for managers, quality professionals, engineers and technical staff with a minimum of 2-years' work experience or/and anyone who would like to take up a more senior position within their organization. To take up the Six Sigma Black Belt Certification Training, professionals should have completed their Six Sigma Green Belt Certification.







#### **COURSE CONTENT**

Introduction to Lean

Introduction to Six Sigma

Writing Effective Problem Statements

Introduction to Kaizen

Using A3 Report for Rapid Improvement

SIPOC Mapping

Understanding & Implementing 5S/6S

Implementing & Facilitating Lean "Huddles"

Visual Workplace

Standard Work

Mapping the Process

Spaghetti Diagrams

Gemba (Waste) Walks

Failure Modes & Effects Analysis

Error-Proofing/Misktake-proofing

Controlling the process

Assessing the Process Capability

Constructing the Project Charters

Managing Change

Brainstroming, Affinity Diagrams & Team Voting

Cause & Effect Diagrams & The Five Whys

Pareto Charts & the 80/20 Rule

Value Stream Mapping

Kanban & Material Management

Work Leveling/Load Balancing

Work Cell Design & Improved Office/Facility Layout

Rapid Changeover Techniques/SMED

Total Productive Maintenance (TPM)

Process control plans & Control charts

Introduction to Basic Statistics

The Normal Distribution

The Standard Normal (Z) Distribution





#### **COURSE CONTENT**

**Testing for Normality** 

Graphical Analysis- The Histogram

Graphical Analysis- The Boxplot

Graphical Analysis - The Scatter Plot

Lean Deployment Strategy and MethodsLean and

Green: The Environmental Benefits

Central Limit Theorem and Confidence Intervals

Introduction to Hypothesis Testing

Data Collection and Sampling

MSA - Gauge R & R Studies

MSA - Attribute Agreement Analysis

Process Capability Measures - Discrete

Process Capability Measures - Continuous

Correlation and Simple Linear Regression

Discrete & Continuous Probability Distributions

Hypothesis Testing - Mean and Median

Test for Equal Variance

Analysis of Variance (ANOVA) and ANOM

**Proportion Testing** 

Chi-Square Analysis

Voice of the Customer - Kano Analysis

Voice of the Customer - Net Promoter Score

Voice of the Customer - Advanced Analysis

Use of Data Transformation in Analysis

Introduction to Logistic Regression

Introduction to General Linear Models (GLM)

Introduction to Reliability Life Data Analysis

Introduction to Design of Experiments (DOE)

Introduction to Design for Six Sigma





#### **COURSE PACKAGES**

#### **RM 5799**

#### **RM 5599**

## LSS Black - Package XL



ACCESS TO LEARNING MANAGEMENT SYSTEM

12 MONTHS ACCESS TO ONLINE MODULES AND LEARNING MATERIALS





5-DAY WEEKEND CLASSROOM TRAINING WITH MASTER BLACK BELT TRAINER

ONLINE BASED EXAM WITH E-CERTIFICATION ONLY & GRADUATION CEROMONY



FULL PERPETUAL LICENCE TO SIGMA XL PROCESS TOOL



## LSS Black - Package X



ACCESS TO LEARNING MANAGEMENT SYSTEM

12 MONTHS ACCESS TO ONLINE MODULES AND LEARNING MATERIALS





5-DAY WEEKEND CLASSROOM TRAINING WITH MASTER BLACK BELT TRAINER

ONLINE BASED EXAM WITH E-CERTIFICATION ONLY & GRADUATION CEROMONY



30 DAY ACCESS TO SIGMA XL PROCESS TOOL

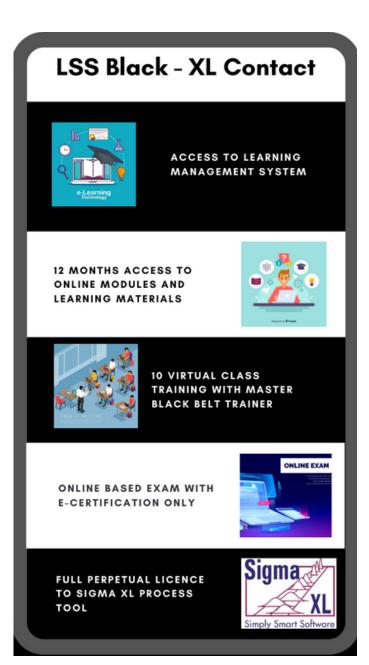


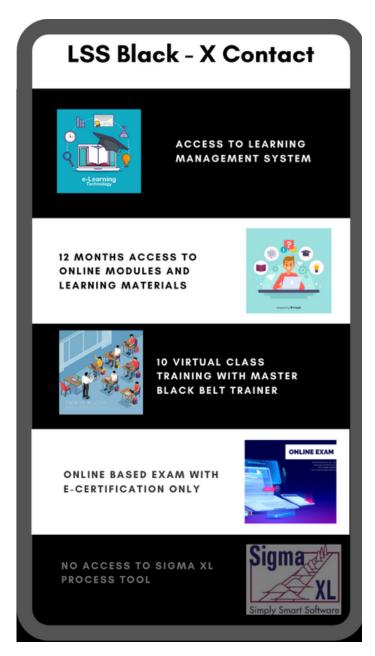


#### **COURSE PACKAGES**

#### **RM 5399**

## **RM 5199**



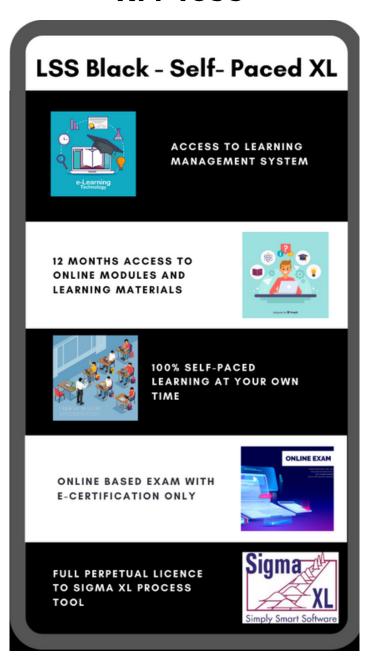


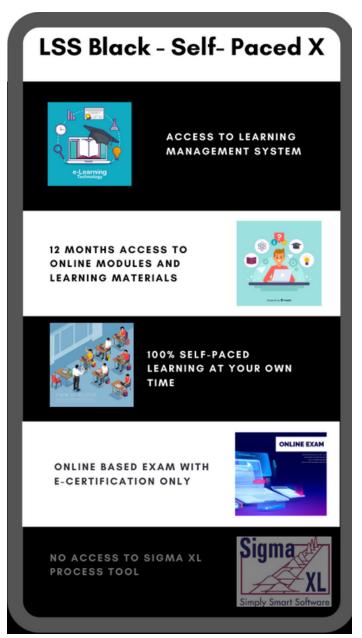


#### **COURSE PACKAGES**

#### **RM 4099**

#### **RM 3899**





## **THANK YOU!**









