

# MBizM<sup>®</sup> Lean Six Sigma YELLOW BELT



## Public Training with IASSC Certification

### INTRODUCTION

- ◆ The Yellow Belt Participants will have in-depth knowledge of Lean Six Sigma and the five phases applied in practical terms.
- ◆ This course is designed to provide a broad understanding of Lean Six Sigma methodology, concepts, and language, along with a complete toolbox of basic process improvement methods.
- ◆ This programme was developed to encourage the candidates to be responsible for the development of process maps to support Lean Six Sigma projects.
- ◆ The Yellow Belt Participants will participate as core team members or subject matter experts on a project.
- ◆ Yellow Belt Participants will gain knowledge of Lean enterprise concepts, enabling them to identify non-value-added elements and activities.

*Duration = 3 Days*

### COURSE CONTENT / CURRICULUM

#### SESSION 1: DAY ONE

- ◆ Overview of Six Sigma - DMAIC & DMADV
- ◆ DMAIC vs. Other Approaches
- ◆ Cost of Poor Quality (COPQ)
- ◆ Understanding Project Charters and Prioritisation Tools
- ◆ Root Cause Analysis (RCA) Tools
- ◆ Data Collection Technique
- ◆ Basic Lean Enterprise
- ◆ Workshop Sessions

#### SESSION 2: DAY TWO

- ◆ Basic Statistics and Graphical Analysis
- ◆ Creating Fishbone Diagrams
- ◆ Understanding Value Added (VA) and Non-Value Added Activities (NVA)
- ◆ Types of Statistical Analysis (Quantitative & Qualitative)
- ◆ Workshop Sessions

#### SESSION 3: DAY THREE

- ◆ Generating Improvement Ideas
- ◆ Poke - Yoke (Mistake Proofing)
- ◆ Running Pilot Six Sigma Programmes
- ◆ Solutions Implementation Plan
- ◆ Understanding Statistical Process Control
- ◆ Establishing Control Plans
- ◆ SOP & Documentation
- ◆ Workshop & IASSC Examination Sessions

#### YELLOW BELT WORKSHOPS (DELIVERED OVER 3 DAYS)

- ◆ Developing Team Project Charter
- ◆ Voice of Customers (VOC)
- ◆ SIPOC & Basic Process Mapping
- ◆ Failure Modes and Effects Analysis
- ◆ Data Types - Continuous & Discrete

#### METHODOLOGY

- ◆ Simulation
- ◆ Activities
- ◆ Own Software
- ◆ Q & A
- ◆ Group Discussions
- ◆ Case Study
- ◆ Talk over Tea
- ◆ Networking

## TRAINERS & CONSULTANTS PROFILE



### Dr. Satnam Singh—Experienced LSS Deployment in Europe and India

Dr. Satnam Singh graduated from Liverpool John Moores University (UK) with a Bachelor Degree in Mechanical Engineering. He then furthered his studies at Coventry University in UK and was awarded with a Masters Degree of Science in Engineering and Manufacturing Management. Dr. Satnam then continued to study for his doctorate and was awarded with a PhD in Engineering and Manufacturing Management.

Dr. Satnam has been actively involved in the field of Continual Improvement activities since the beginning of his tertiary education. While accomplishing his Master Degree in the United Kingdom, he had been extensively trained for Lean Systems and Six Sigma whilst working as a Project Manager for a Multi National Corporation (MNC) in the UK for 14 years. During his stay with the MNC in the UK, Dr. Satnam was tasked with the responsibility of promoting and implementing Lean and Six-Sigma within the Organization and throughout Europe. Due to his extensive exposure in Lean and Six-Sigma Management Systems, he was invited by the company's European Subsidiaries to conduct in-house training, project consultations and strategic planning in the area of Six-Sigma implementation. Dr. Satnam known as a Visiting Lecturer in Infosys INDIA.



### Dr. A. Aruleswaran –Experienced LSS Deployment in North America

Dr. Arul pursued a Ph.D in Mechanical Engineering whilst Lecturing in the School of Technology at Oxford Brookes, Oxford, UK. Dr. Arul Aruleswaran is the principal consultant and a strategic advisor aiming to assist companies to develop strategies and execution plan through Innovation and continuous improvement thinking and methodologies. He is also a Speaker at Asian Six Sigma, IQPC conferences. He had good interpersonal Skills with Strong team leadership ability, demonstrates and orchestrate coaching and mentorship, analytical and tactful in problem solving.

Experienced in Global Lean and Six Sigma Deployments for Multi National Companies operating in the Services, Engineering and Manufacturing sectors. His facilitation skills in a training environment had been a major contributor for projects acceleration and success. His ability to deliver action oriented education and learning methods combine with his expertise in Lean Principles, Statistical Process Controls and Design of Experiments had put many company organizational learning at optimum. He has consulted extensively throughout Asia for Companies such as DHL Global Business Services, Clariant, Danone, NewCrest Mining & Owen Illinois and Local establishments such as MDeC, MIMOS and Sweettape Manufacturing. Dr. Arul is also the founder of DMAIC.net, the Australasian knowledge base and exchange portal for Lean Six Sigma and is the author of the book on the philosophy of change entitled "Changing With Lean Six Sigma".



### Mr. Harbans –Experienced LSS Deployment in Samsung & Asia Pacific

Mr. Harbans Singh, is a graduate of University of East London and holds a Bachelors Degree (Hons) in Information Technology majoring in Software Engineering. He is certified as a Six Sigma Black Belt trained by Juran Institute (USA & Korea) under the supervision of Samsung Electronics Asia Pacific. Mr. Harbans has gained over 12 years of working experience both in manufacturing and service industries.

Mr. Harbans has an extensive experience in performing statistical analysis by using statistical software (MINITAB) and various quality tools. Harbans is also involved in Innovating Supplier processes using QDC (Quality, Delivery & Cost) improvement and Improving Supplier Processes by utilising OEE and Lean concepts.

Harbans major achievements would include the development of Six Sigma Green Belts and Six Sigma Black Belts within Samsung Electronics Asia Pacific Region. Furthermore Harbans mentored Six Sigma Yellow Belt, Green Belt and Black Belt projects that contributed to total cost savings about USD\$ 15 million during the past 6 years. Harbans also has an extensive experience in developing and conducting Six Sigma Champions Training, Black Belt, Green Belt and Yellow Belt training programs for Private Companies, major Government Linked Companies (GLCs) in Malaysia and many other Government Agencies.



### **Ms. Sabee Chai –Experienced LSS Deployment in China and Asia**

Sabee Chai graduated from Wichita State University, Kansas, USA with a Bachelor Degree majoring in Industrial Engineering. She is certified as an ISO 9001:2000 internal auditor in manufacturing management and also Appraisal Team Member for CMMI Development and Services. She specializes in Lean Six Sigma activities to help companies in process improvement, cost reduction, and troubleshooting initiatives. She is certified as a Master Black Belt by Rath & Strong Management Consultants. Her fluent and proficiency in mandarin had allowed her to translate the lean syllabus into local language for a Chinese manufacturer to attain integration across the enterprise.



### **Dr. Sitt Chee Keen –Experienced LSS Trainer in Manufacturing Industry, Focus in Quality Improvement at Quality Assurance Department and Process Improvement**

Dr. Sitt Chee Keen graduated from National University of Malaysia with a Bachelor Degree in Mathematics. He then furthered his studies at Science University of Malaysia and was awarded with a Master Degree of Science in Mathematics. After involving in process improvement consultation for 3 years, Dr. Sitt then continued to study for his doctorate and will obtain his PhD in Statistics in year 2014. Dr. Sitt's research interest is in SPC control charts.

Dr. Sitt Chee Keen began his career as a lecturer in a private college. Before joining LSS-Academy, he worked in a software house coordinating software projects. He has Implemented Statistical Process Control (SPC) in glass manufacturing environment, Use appropriate data collection and analysis methods to accelerate Process Improvement Projects, Trained and mentored Line Leaders for Process Improvement Projects, Experienced in Microsoft Excel and Minitab (Six Sigma Statistical Software), Developed an Excel-based statistical add-in for Lean Six Sigma community namely LSS-StatTools, Involved in development of a six sigma related statistical library for Microsoft .NET platform called FoundaStat.

He expert in Statistics, Six Sigma, Process Improvement, Statistical Process Control. His major achievements are Implemented Statistical Process Control (SPC) to reduce variation of processes. Study and design new machine layout plan at shop floor to reduce waste. A national laboratory and the energy department from USA use FoundaStat in their control system for the safe, environmental cleanup of the Central Plateau at the Hanford Site (Nuclear Waste Clearance Project).

## **Who Should Attend**

Manager, Executive Officers, Executives & Others

## **Departments**

Business Process Improvement, Change Management, Transformation Dept, Continuous Improvement, Project Mgt, Contract Dept, Innovation Dept, Commercial Dept, Business Development, Strategic Planning, Human Resource, Finance & Others.