



Comprehensive Lean Enterprise Training (Service & Manufacturing)

INTRODUCTION

- A Lean Enterprise is an organization that has fully integrated Lean philosophy and techniques into its business model. Lean Manufacturing techniques were developed in the manufacturing sector but companies soon realized that all manufacturing processes are initiated by non-manufacturing activities.
- Successful change is achieved by discovering new ways to effectively re-organize and align all of your business processes to increase throughput, reduce costs and improve quality. Lean Enterprise training would allow organizations to improve the productivity, efficiency, and quality of their products or services. Upon completion of the course, the participants will be able to:

DURATION: 3 DAYS

DEPARTMENTS

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

ACCREDITATION

Meridian Biz Management (MBizM) is an accredited Training Organization, Curriculum Provider & Examination Centre by IASSC (International Association for Six Sigma Association) and CSSC (Council for Six Sigma Certification). IASSC is a professional association dedicated to growing & enhancing the standards within the Lean Six Sigma community. CSSC is a professional accreditation body within the Lean Six Sigma industry.

WHO SHOULD ATTEND

Chief Executive Officers, Managing Directors, Executive Officers, General Managers, Managers, Executives & Others

COURSE CONTENT / CURRICULUM

DAY 1

Module 1: Lean Management

Introduction Lean
Management
Lean Kaizen Teams
7 Wastes & Lean House

Module 2: Waste

Management
Identifying The 7 Wastes
Problem Solving Techniques
Workplace Ergonomics

Module 3: Workplace

Organisation
5S Housekeeping
5S Auditing
5S Template

Module 4: Standardised Work

What is Takt Time
Standardised Motions
Work Balancing

DAY 2

Module 5: Value Stream Mapping-VSM

Creating a Current State Map
Analyzing the Current State Map
Generating Ideas from VSM

Module 6: Total Productive Maintenance

What is TPM & Metrics
Losses in Equipment
Phases & Steps of TPM

Module 7: OEE & Plant Layouts

Calculating OEE
Availability, Productivity & Quality
Issues with Plant Layouts

Module 8: Quick Changeovers

What is SMED?
Steps to conduct SMED?
Improving Methods for SMED

DAY 3

Module 9: Error Proofing

What is Poka Yoke?
Poka Yoke Methods
Poka Yoke Devices

Module 10: Jidoka & Andon

Visual Management
Autonomation Techniques
Visual Display & Control

Module 11: Production Levelling

What is Heijunka?
Heijunka Box
What is Heijunka Pacemaker?

Module 12: JIT, Cellular & Kanban

Concept of Just In Time
Cellular Manufacturing
Kanban Functions



Trainers & Consultants Profile



Dr. Satnam Singh
Experienced LSS Deployment
in Europe & India

Dr. Satnam Singh graduated from Liverpool John Moores University (UK) with a Bachelor's Degree in Mechanical Engineering. He then furthered his studies at Coventry University in UK & was awarded with a Master's Degree of Science in Engineering & Manufacturing Management. Dr. Satnam then continued to study for his doctorate and was awarded with a PhD in Engineering & 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's Degree in the United Kingdom, he had been extensively trained for Lean Systems & 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 & Six Sigma within the Organization & 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 is known as a Visiting Lecturer in Infosys India.



Mr. Harbans
Experienced LSS Deployment
in Samsung & Asia Pacific

Mr. Harbans Singh, is a graduate of University of East London and holds a Bachelor's 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 & service industries.

Mr. Harbans has an extensive experience in performing statistical analysis by using statistical software (MINITAB) & various quality tools. Harbans is also involved in Innovating Supplier Processes using QDC (Quality, Delivery & Cost) improvement & Improving Supplier Processes by utilising OEE and Lean concepts. Harbans major achievements would include the development of Six Sigma Green Belts & Six Sigma Black Belts within Samsung Electronics Asia Pacific Region. Furthermore, Harbans mentored Six Sigma Yellow Belt, Green Belt & 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 & conducting Six Sigma Champions Training, Black Belt, Green Belt & Yellow Belt training programmes for Private Companies, major Government Linked Companies (GLCs) in Malaysia & many other Government Agencies.



Dr. Muraliraj
Expert in LSS, Process Improvement
& Lean Enterprise Solutions

Dr. Muraliraj holds a doctorate degree from University of Malaya (Malaysia) overlapping the field of Quality Management, Continuous Improvement & Innovation. His research base is centered around continuous improvement philosophies such as Lean & Six Sigma & how their application & management can potentially morph towards innovation.

Specialised in process mapping, optimization, cost reductions, deploying process excellence strategies, Dr. Muraliraj has been involved in process excellence projects, performance improvements, & change management in shipping, oil & gas, engineering & IT industries for more than 7 years.

Some of his recent success include training and coaching of Lean Six Sigma in a national multi-industry corporation involving tens of personnel ranging from various designation which led to substantial financial savings besides a sustainable operational excellence.



Trainers & Consultants Profile



**Mr. Muhammad Faisal
Abdul Hamid**
Expert in LSS Specialized in
Manufacturing & Process
Improvements

Mr. Faisal graduated from University of Technology (UTM), Malaysia with Bachelor's in Chemical Engineering & later pursued his Master's in Business Administration at University Utara Malaysia.

He started his career as an engineer in a renowned MNC & was later enrolled in Lean & Six Sigma as a practitioner & was selected as a trainer. His role as a senior staff allows him to work with front line & middle management. While working as a coordinator in Innovation Team, he was liaising with top management such as Factory Managers & Directors & had contributed to establishing company strategies toward achieving the mission & vision.

While enduring his career as continuous improvement specialist, he was extensively involved in process improvement initiatives, Six Sigma & Lean Manufacturing. He has profound experience in manufacturing, engineering, & training.



Mr. Balasharmila Rao
Senior BPM Consultant

Bala is a Mechanical Engineering graduate from the National University of Singapore (NUS) with specialization in Offshore Oil & Gas Technology. Parallel to his undergraduate study, he has completed a three-year Design Centric Programme (DCP) under NUS, culminating in a successful Electric Vehicle (EV) conversion project with a peer-reviewed IEEE Journal paper publication. After industrial attachment with Schlumberger & maiden career start with Halliburton in oilfield equipment design vertical, Bala returned to Kuala Lumpur in 2016 where he joined YTL Communications (YTLC) in the Facilities Management Department.

He has developed the department's first suite of Standard Operating Procedures (SOPs) for Operations & Maintenance, coordinated department's audit compliance for ISO27001: 2013- Information Security Management System (ISMS) for YTLC's Data Centers, while improving diverse aspects of maintenance operations such as Preventive & Corrective Maintenance Management, Rounds & Readings & Facility Management Service Requests. Bala is also instrumental in improving YTLC's overall National Department of Occupational Safety & Health (DOSH) Audit rating from a Grade 'D' in March 2018 to Grade 'A' in October 2018 with further recommendation for Ministerial Award Competition participation. Bala holds certifications in Lean Six Sigma Green & Black Belt, ISO9001: 2015 (QMS) Requirements, Train The Trainer (PSMB TTT/27657) & Oil and Gas Law (BAC).



Ms. Wong Sze Yin
Trainer & Facilitator

Wong Sze Yin has a Bachelor's Degree in Manufacturing Engineering from University Malaysia Pahang, Pekan. For her internship, she was assigned an improvement project which requires her to improve the cycle time of a production line by identifying wastes & non-value added activities. She succeeded to propose some solutions to improve the cycle time of production line. Besides Sze Yin has also completed the course of Lean Management in university with a project to implement the knowledge of Lean in a car repairing workshop located in Universiti Malaysia Pahang, Pekan.