



LEAN SIX SIGMA TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Lean Six Sigma Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This 2-day training program provides participants with a foundation in Lean Six Sigma methodologies, combining lean principles with Six Sigma tools to enhance operational efficiency, reduce waste, and improve quality. The course focuses on practical applications and techniques to drive continuous improvement in organizations.

OBJECTIVE(S):

- Understand the principles of Lean and Six Sigma methodologies.
- Learn to identify and eliminate waste while improving process quality.
- Gain knowledge of the DMAIC (Define, Measure, Analyze, Improve, Control) framework.
- Develop skills to use Lean Six Sigma tools for problem-solving and process optimization.
- Foster a culture of continuous improvement and operational excellence.

TARGET GROUP(S):

- Managers and team leaders.
- Quality assurance and control personnel.
- Process improvement and operations teams.
- Employees involved in lean practices and Six Sigma initiatives.

ENTRY REQUIREMENT(S):

- Able to read, write, and communicate verbally in Malay/English.

TOPIC(S):

1. Introduction to Lean Six Sigma and Its Benefits.
2. Overview of Lean Principles and Six Sigma Methodology.
3. The DMAIC Framework: Define, Measure, Analyze, Improve, Control.
4. Tools and Techniques for Lean Six Sigma.
5. Case Studies on Successful Lean Six Sigma Implementation.

LIST OF REFERENCE BOOK(S):

- "Lean Six Sigma: Combining Six Sigma Quality with Lean Production Speed" by Michael L. George.
- ISO 13053: Quantitative Methods in Process Improvement – Six Sigma.

LIST OF TEACHING AID(S):

- Lean Six Sigma templates and worksheets.
- Software for data analysis and process mapping.
- LCD projector and computer.
- Whiteboard with accessories.

METHODOLOGY(S):

- Lecture.
- Group discussions and brainstorming sessions.
- Hands-on exercises on DMAIC framework and Lean Six Sigma tools.
- Case study analysis of Lean Six Sigma applications.

TRAINING SCHEDULE

Day 1

Time	Activity/Topic
8:30 am - 9:00 am	Registration and Introduction
9:00 am - 10:30 am	Topic 1: Introduction to Lean Six Sigma and Its Benefits
10:30 am - 10:45 am	Morning Tea Break
10:45 am - 12:30 pm	Topic 2: Overview of Lean Principles and Six Sigma Methodology
12:30 pm - 1:30 pm	Lunch Break
1:30 pm - 3:30 pm	Topic 3: Tools and Techniques for Lean Six Sigma
3:30 pm - 3:45 pm	Afternoon Tea Break
3:45 pm - 5:00 pm	Group Activity: Applying Lean Tools in a Process

TRAINING SCHEDULE

Day 2

Time	Activity/Topic
8:30 am - 9:00 am	Recap of Day 1
9:00 am - 10:30 am	Topic 4: The DMAIC Framework: Define, Measure, Analyze, Improve, Control
10:30 am - 10:45 am	Morning Tea Break
10:45 am - 12:30 pm	Practical Session: Conducting a DMAIC Project
12:30 pm - 1:30 pm	Lunch Break
1:30 pm - 3:30 pm	Topic 5: Case Studies on Successful Lean Six Sigma Implementation
3:30 pm - 3:45 pm	Afternoon Tea Break
3:45 pm - 5:00 pm	Practical Exercise: Developing a Lean Six Sigma Plan