



LEAN SIX SIGMA METHODOLOGY

1 January 7-8, 2026 (Wednesday-Thursday) 8.45 am – 5.00 pm Remote Online Training (Zoom)

This training introduces participants to Lean Sigma methodology – a scientific and practical approach in dealing with business process issues. It explains the infrastructure needed for successful Six Sigma methodology company-wide deployment. The training emphasizes the key processes in each D-M-A-I-C phase to some details. Six Sigma DMAIC is a scientific approach, and it is a very logical and practical methodology that allows it to be deployed in just about any organization that run various kinds of business operations.

Lean components are added as an important and meaningful value adding. While Six Sigma emphasizes on eliminating variation, Lean emphasizes on eliminating business waste. For quality practitioners to enhance business processes on shop floor both variation and business waste must be eliminated or reduced and controlled.

This training is designed as an introductory to Lean Sigma belt holders – Yellow Belt, Green belt, and Black Belt. Yellow Belt's key role is to support LSS projects which are lead and executed by Black Belts and Green Belts respectively. This training is recommended to have the second part – a pilot project coaching where the participants will be able to transform the theoretical parts they learn in classroom to real execution at their workplace.



...COURSE CONTENTS...

Program Overview

- Goal of training
- Training deliverables
- Delivery mode
- Lean Six Sigma at glance

Lean Methodology

- About Lean
 - History of Lean
 - What is Lean
 - Lean and Lead Time
 - What is Waste
 - Strategy in Reducing Lead Time
- Lean Principles
 - Defining Lean
 - What are Lean Principles?
 - What Do We Do with Waste?
 - What Do We Do with Value?
 - Kano Model on Customer Expectations
 - Lean Implementation in Various Organisations
 - Lean Transition for Manufacturing
- Understanding Waste

- Value Adding vs Non-Value Adding
- Nine Deadly Waste in Manufacturing Environment
- House of Lean
- Waste reduction strategy
 - Need of Alignment (business concern – operational metrics)
 - Steps in Working on Cost Related Concerns
 - Identify Operation of Concern
 - Measure current Lead Time
 - Translate Operation Cost to Lead Time
 - Strategize the Waste Removal
- **Workshop Simulation 1: Operation simulation & waste identification – quantification - elimination**

Six Sigma Methodology

- About Six Sigma
 - Six Sigma at Glance
 - Goal of Six Sigma Methodology
 - Who Started Six Sigma in Modern Time?

- Six Sigma DMAIC Phases
- Critical Success Factors
- Variation Reduction Strategy
- Handling Issues of Predictable Root Cause
 - Check Your Quality Status
 - Gap Measurement Metrics
 - Closing the Gap
 - About PDCA
 - PDCA Implementation Steps
 - PDCA Recap
- Handling Issues of Unknown Root Cause
 - About 7QC Tools
 - Where Do We Use These Tools?
 - Population and Sampling
 - Guided Application of 7QC Tools
 - Application of 7QC Tools at Workplace
- **Workshop Simulation 2: Solving problems with predictable root causes & problems with unknown root causes**

...OBJECTIVES...

Upon completion of this training participants will acquire the knowledge of the following: -

- A refresher on Lean goal & methodology and Six Sigma goal & methodology in business process enhancement
- Understand Lean Six Sigma (LSS) belt holders' roles and responsibilities, project selection criteria, performance metrics, results tracking, and management of project results to sustain the gains
- Understand and experience 'reducing Lead Time' using LTI approach (through simulated workshop), and
- Understand and experience 'quick problem-solving' using predictable root cause approach and 'standard problem-solving' using unknown root cause approach (through simulated workshops).

...WHO SHOULD ATTEND...

Engineers, Executives, Technicians, Future LSS Belt holders (YB, GB, BB)

...TRAINING METHODOLOGY...Sides show | Video show

| Quizzes on Module Overview – History – Purpose – Concept – Methodology /Approach – Simulated Example/Exercises

...TRAINER...

ENCIK AZMAN BIN HUSSAIN received his Bachelor of Science in Electrical Engineering from the University of South Alabama, USA. He had his Six Sigma Black Belt from Sony Corporation, Japan; and his Green Belt from Air Academy, USA. He is now a certified Lean Sigma trainer for Rolls Royce – a giant company that produces aero-plane and marine engines. He also works with General Physics – training and consulting company based in the United States on project basis; where he serves Rolls Royce.

ENCIK AZMAN, a certified trainer register with PSMB, has solid manufacturing experience with Sony and Hicom Diecastings. He had held many challenging posts in manufacturing environment ranging from a Manager of an innovation unit, the Head of a subcon technical improvement team, the Head of Engineering Dept, and Chief Operation Officer. His prowess in innovative problem-solving has saved millions of dollars for his organization every year and made him one of the talented engineer in the organization. Some of Azman's work had been used in Sony Six Sigma training manual used through-out the world. His biggest contribution perhaps was his innovation in PCB pattern design, soldering process, and mounting process. These innovations were responsible for the million dollars saving and had left unchallenged for many years. He had won numerous awards during his service with Sony. Being a training consultant as well as a Lean Sigma practitioner, En Azman has developed training courses on Green Belt, DOE, SPC, MSA, FMEA, and Structured 5S to name a few. He has been teaching and coaching these topics since 2003 in public as well as in house.

~ Registration Form ~

LEAN SIX SIGMA METHODOLOGY

FMM Institute

No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak

Fax: 05-5488221

Dear Sir / Madam, please register the following participant(s) for the above programme.

1.	Name	Designation	
	NRIC	HP No	
		Email	
2.	Name	Designation	
	NRIC	HP No	
		Email	
3.	Name	Designation	
	NRIC	HP No	
		Email	

(Please attach a separate list if space is insufficient)

We hereby confirmed that (Please tick (✓) in appropriate box):-

☐ We **will be claiming from HRD Corp** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances

☐ We **will NOT BE CLAIMING from HRD Corp**. Enclosed cheque/bank draft No _____ for RM _____ being payment for _____ participant(s) made in favour of the "FMM Institute".

Submitted by:-

Name:	Designation:	
Company:	Tel:	Fax:
Address:		
Email:	FMM Membership No	

Enquiries – please contact **Ms Vaani / Pn Eda / Ms Harvindar** ☎ (05) 548 8660 📠 (05) 548 8221 ✉ fmm_institute_perak@fmm.org.my

...COURSE DETAILS...

Date **January 7-8, 2026 (Wednesday-Thursday)**

Time **8.45am - 5.00pm**

Platform **Remote Online Training (Zoom)**

Medium of Instruction **English**

CPD **14 hours**

Fees ☐ **Members RM1,080.00/pax**

☐ **Non-Members RM1,188.00/pax**

(Fees inclusive of Service Tax at 8%, Downloadable Course Materials and Certificate of Attendance)

- Download and install ZOOM app on your laptop/desktop before the programme
- Good Internet / Wi-Fi connectivity
- Access Links will be provided upon confirmation of the programme

...ADMINISTRATIVE DETAILS...

HRD CORP CLAIMABLE COURSE DETAILS

- Training Provider: **FMM Institute Perak** ■ MyCoID : **475427W_PERAK**
- HRD Corp Programme No: **Provided upon confirmation**

DISCLAIMER

The FMM Institute reserves the right to change the facilitator, date and to vary / cancel the course should unavoidable circumstances arise. All efforts will be taken to inform participants of the changes.

REGISTRATION

- Upon **Faxing/Mailing** the completed **Registration Form** to FMM Institute, you are **deemed** to have read and **accepted** the terms and conditions. The **course** would also be **deemed** as **confirmed** unless informed otherwise.
- Will be based on First-Come-First served basis.

PAYMENT

- **Cheques** made in favour of "FMM Institute" should be forwarded to FMM Institute Perak.
- For **HRD Corp Claimable Course**, an **Attendance of 100% is a must**, in any case, **employers will be billed in full**.
- FMM Institute SST Registration No. **W10-1901-32000105**
- FMM Institute TIN No. **C10626805080**

CANCELLATION

Must be in Writing with Reasons ■ 7 days before the course – No payment charged ■ 3 – 6 days before the course - 50% payment charged ■ < 3 days before the course – Full payment charged
■ Participants who did not turn-up will be charged full payment ■ Replacements can be accepted at no additional cost

Closing Date: **DECEMBER 31, 2025**