



# LEAN 6 SIGMA (GREEN & BLACK BELT)

28 & 29 APRIL 2026 | 9.00AM - 5.00PM |  
MEF ACADEMY, PJ

## Course Overview

*Lean Six Sigma (Green & Black Belt) Training is a practical, intensive 2-day programme designed to equip participants with the knowledge and tools to drive process improvement and operational excellence. This training combines Lean methodologies with Six Sigma principles, enabling participants to identify inefficiencies, reduce waste, improve quality, and implement data-driven solutions for sustainable business improvements.*

*Participants will learn how to lead improvement projects, apply analytical tools to solve complex problems, and create measurable impact on organizational performance. The programme is highly interactive, with real-life case studies, exercises, and group discussions to reinforce practical application.*

## Who Should Attend

- Team leaders, supervisors, managers and professionals involved in process improvement
- Quality assurance, operations and production personnel

## Learning Outcomes

- Understand Lean Six Sigma concepts, methodologies, and tools for process improvement
- Apply DMAIC (Define, Measure, Analyze, Improve, Control) to solve business problems effectively
- Lead projects that reduce waste, improve quality, and enhance customer satisfaction
- Utilize data-driven decision-making and analytical techniques to drive sustainable improvements

## Course Registration :



**RM2,000\***

(Price Inclusive of 8% SST)

HRDC Claimable\*

<https://forms.office.com/r/vYvavq9sQC>

## Course Structure

Time	Agenda
<b>DAY 1: Lean Six Sigma Foundations &amp; Green Belt Skills</b>	
9.00 - 9.30 AM	<b>Opening &amp; Icebreaker</b>
9.30 - 10.30 AM	<b>Session 1 : Introduction to Lean Six Sigma</b> <ul style="list-style-type: none"> <li>Overview of Lean and Six Sigma</li> <li>Importance of process improvement and operational excellence</li> <li>Roles and responsibilities of Green and Black Belts</li> </ul>
10.30 - 10.45 AM	Break
10.45 AM - 12.00 PM	<b>Session 2 : Define Phase (DMAIC)</b> <ul style="list-style-type: none"> <li>Identifying problems and project selection</li> <li>Setting SMART Objectives</li> <li>Stakeholder mapping and project charter development</li> </ul>
12.00 - 1.00 PM	Lunch Break
1.00 - 2.00 PM	<b>Session 3 : Measure Phase</b> <ul style="list-style-type: none"> <li>Data collection techniques</li> <li>Process mapping and flowcharts</li> <li>Key metrics and performance indicators</li> </ul>
2.00 - 5.00 PM	<b>Session 4 : Analyze Phase</b> <ul style="list-style-type: none"> <li>Root cause analysis (Fishbone, 5 Whys)</li> <li>Process variability and defect analysis</li> </ul>

Time	Agenda
<b>DAY 2: Advanced Tools &amp; Black Belt Skills</b>	
9.00 - 10.30 AM	<b>Session 5: Improve Phase</b> <ul style="list-style-type: none"> <li>Lean tools to eliminate waste</li> <li>Solution development and prioritization</li> <li>Simulation and pilot testing improvements</li> </ul>
10.30 - 10.45 AM	Break
10.45 AM - 12.00 PM	<b>Session 6: Control Phase</b> <ul style="list-style-type: none"> <li>Standardization and documentation of improvements</li> <li>Control charts and monitoring techniques</li> <li>Sustaining results and process audits</li> </ul>
12.00 - 1.00 PM	Lunch Break
1.00 - 3.00 PM	<b>Session 7 : Advanced Analytical Tools for Black Belts</b> <ul style="list-style-type: none"> <li>Statistical analysis for Six Sigma projects</li> <li>Design of Experiments (DOE) basics</li> <li>Hypothesis testing and regression analysis</li> </ul>
3.00 - 5.00 PM	<b>Session 8: Project Presentation &amp; Action Planning</b> <ul style="list-style-type: none"> <li>Group presentations of improvement projects</li> <li>Lessons learned and feedback</li> <li>Action planning for applying Lean Six Sigma in workplace</li> </ul>

## Trainer Profile



**YIP CHOONG YU**  
**Certified Six Sigma**  
**Master Black Belt**  
**Project Coach,**  
**Consultant & Trainer**

Yip has been involved with Continuous Improvement, Business Transformation and Customer Experience for more than 27 years in local corporate as well as multi-national company. He has extensive business and process experience across industries, from manufacturing to telecommunications. A certified Six Sigma Master Black Belt, he has trained and certified over 300 Lean Six Sigma professionals (Yellow, Green and Black Belts) across Malaysia and the Asia Pacific since 2003.

He has coached more than 50 multidisciplinary projects, delivering over RM20M in annual benefits with experience spanning production, finance, IT, inventory, marketing, sales and customer service. At Maxis, he led the successful rollout of Six Sigma as a company-wide culture transformation.

