

# LEAN MANUFACTURING



## Introduction

This Lean Manufacturing course is design for individuals to understand the concept of The Lean and to prepare individuals to implement the principles and concept to the workplace. The course had been designed specifically to enable individuals to benefit from Lean Thinking and Lean Techniques through workgroup discussion and playing of games.

The Lean Manufacturing methodology is a logical and systematic application that focuses on creating an organisation environment that continuously seek and eliminate the Waste. When properly deployed, the organisation will evolve into a learning organisation that continuously lower the water level to surface more challenges. This methodology can lead to significant financial gain and increase of customer satisfaction.

Lean practitioner plays an important role in the organisation to lead and develop the production system that focus on "Just in Time" Methodology to eliminate the financial liability of inventory and raising water level due to inventory built up. Lean practitioner also helps to create the environment to encourage problem solving and working toward a Lean organisation.

## Duration

2 days | 9am – 5pm | 14 hours

## Who should attend

Management, Production Planners, Manufacturing Engineers, Manufacturing Supervisors and Quality Professionals who are responsible for productivity, quality or efficiency improvement in their organisations.

## Course Fees

Member: S\$580.34

Non-Member: S\$624.02

*Registration Fee of S\$17.28 apply*

*SDF funding & SkillsFuture applicable*

*All fees stated are inclusive of 8% GST*

## Award of Certificate

Certificate of Completion will be issued to participants who have attended at least 75% of the course.



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## Course Contents

### Introduction to Toyota Production System

- Learn about Toyota Production System
- Intro to Toyoda Family & TPS house
- Learn about the Toyota Way
- Philosophy for Lean

### Waste identification and elimination

- Learn Work breakdown and 7 Wastes
- Search for Waste and Basic QC Tools
- Case studies for Lean Solution

### Create continuous flow and Establish pull

- Apply VSM to identify waste
- Learn JIT / One Piece Flow
- TAKT Time
- Change over time
- Kanban & Reordering point

### Sustaining the System

- Built in Quality / Poka Yoke
- Jidoka
- 5S and Visual Management

## Key Benefits

- Learn the Lean methodology, concept and philosophy.
- Learn to Lean tools & techniques to analyse real life problem.
- Apply Lean Tools to tackle cycle time reduction and process improvement.
- Apply VSM for analysis and future planning.



Please refer to this URL  
<https://www.sqi.org.sg/courses/>  
or QR Code for soft copy  
and updated training schedule

### Membership Application

Register membership online at  
**[www.sqi.org.sg/membership-join/](https://www.sqi.org.sg/membership-join/)**  
or contact us to get the membership  
application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership

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