

CERTIFIED LEAN EXPERT



Introduction

Lean has found its way into businesses across every industry like manufacturing, healthcare, medical, logistics, retail and ecommerce for good reason. It represents the better way to run a business that save cost, time and resources while delivering the value that customer required.

Objectives

This program will provide in-depth knowledge and practical case studies for Certified Lean Expert (CLE) certification. At end of certification, delegate will be able to effectively apply a range of Lean Tools, be part of the change agent for the organization to transform into a Lean organization. The delegate will also be able to lead cross functional team to execute projects that focus on reduction of cost, streamline process and improve the operation.

The course is structured to covers application to different industry with case studies and different application.

Duration

Saturday | 8.45am to 5.15pm | 3 months | 80 hours

Management, Quality Professionals, CIP (Continuous Improvement Project) Professionals, Operational Excellence Professional, Manufacturing Engineers & Supervisors, Supply Chain Professionals who have interest in improving or streamlining processes within the organization.

Who should attend

The course is not limited to Manufacturing, but also include industry like Healthcare, Retail, Ecommerce and other industries.

Individuals interested in having certification for Certified Lean Expert (CLE).

Entry Requirements

Diploma or Degree holders with relevant working experience; and possess Project Management Skills; Analytical Skills.

Participants must have at least one potential project for execution; and possess Basic Skills in MS Excel and Power-Point applications.

Course Fees

Member: S\$3,270.00

Non-Member: S\$3,819.00

All fees stated are inclusive of Registration Fee & 9% GST

Assessment Method

Written examination - held approximately 4 weeks from end of course



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Course Contents

Module A - Introduction to Toyota Production System

- Introduction to LEAN Concept
- Introduction to The Toyota Way
- Introduction to Toyoda Family
- The 4P of the Toyota Way

Module B - Waste Identification and Elimination

- Work Activities Breakdown
- Classification of Waste Symptom – 7W
- Searching for Waste
- Tools for Waste Elimination
- Implementing Solution to reduce Waste

Module C - Create Continuous Flow and Establish Pull

- Create Continuous Flow
- Designing the process flow / JIT / Push & Pull Flow
- Designing the process flow / One Piece Flow
- Kanban and Re-ordering Point
- Applying KAKT Time
- Change Over Time
- Create a Value Stream Mapping
- Applying Lean for Customer Service Part 1
- Applying Lean for Customer Service Part 2

Module D - Kaizen Tools

- Kaizen Event / Brainstorming session
- Datasheet / Yamazumi
- Before & After / Kaizen Newspaper
- Outline of line / Sphagetti Diagram
- Project Selection
- Problem Solving on A3

Module E – Sustaining the System

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

Module F – Revision Module

- Revision: Application Question Review
- Refresher Training
- MCQ Drill



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

Membership Application

Register membership online at
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application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership

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