



London TDM

# Quality and Productivity Improvement Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 29 March 2026 To 02 April 2026

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

In today's competitive landscape, making informed decisions is crucial for maintaining quality standards. This 5-day professional course is designed to equip participants with the skills and tools needed to harness data for effective decision-making and drive continuous quality improvement across their organizations.

## Objectives

- Understand the fundamentals of data-driven decision making.
- Learn how to collect, analyze, and interpret data effectively.
- Apply data-driven strategies to improve product and service quality.
- Utilize statistical tools for quality improvement processes.
- Develop a culture of continuous improvement within an organization.

## Course Outlines

### Day 1: Introduction to Data-Driven Decision Making

- Overview of data-driven decision making concepts
- Importance of data quality and integrity
- Key components of a data-driven quality strategy
- Case studies of successful data-driven approaches
- Interactive session: Identifying decision-making challenges

### Day 2: Data Collection and Analysis Techniques

- Methods for effective data collection
- Introduction to data analysis tools and software
- Data visualization techniques
- Hands-on workshop: Data set analysis using Excel/Google Sheets
- Interactive session: Sharing best practices in data collection

### Day 3: Applying Statistical Methods for Quality Improvement

- Introduction to statistical quality control
- Using control charts for process monitoring
- Applying regression analysis for predictive insights
- Workshop: Building and interpreting control charts
- Discussion: Integrating statistical methods into decision-making

### Day 4: Advanced Tools for Data-Driven Quality Management

- Exploring Six Sigma methodologies
- Introduction to Lean principles
- Using software tools for quality management
- Interactive case analysis: Implementing Lean Six Sigma
- Group activity: Designing a quality improvement project

## **Day 5: Building a Data-Driven Culture**

- Strategies for fostering a culture of continuous improvement
- Role of leadership in data-driven decision making
- Balancing data insights with human judgment
- Developing a roadmap for organizational change
- Closing session: Presentations of quality improvement project plans