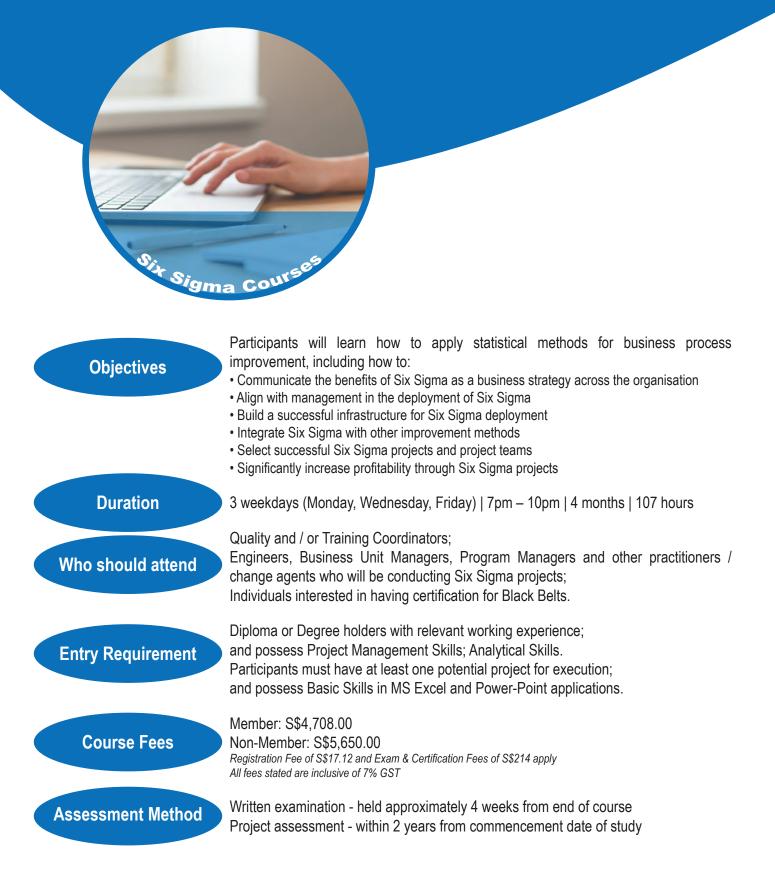
CERTIFIED SIX SIGMA BLACK BELT









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Course Contents

Enterprise Deployment

• Enterprise View, Leadership

Organisational Goals & Objectives, History of Organisational Improvement

Business Process Management

- Process vs Functional View
- Voice of Customer, Business Results
- Process Performance Metrics, Benchmarking, Financial Benefits

Project Management

- Project Charter and Plan, Team Leadership
- Team Dynamics and Performance, Change Agents

Define

- Project Definition / Scope / Selection
- Metrics, Problem Statement

Measure

- Process Analysis & Documentation
- Minitab Software Application
- · Probability & Statistics
- Collecting & Summarising Data using Minitab
- Properties & Applications of Probability Distributions
- Measurement Systems Analysis
- Analysing Process Capability

Special Note:

Participants need to bring their own laptops for Minitab Software Application training



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/** or contact us to get the membership application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership





APPROVED TRAINING PARTNER

IRCA

Analyse

- Hypothesis Testing
- ANOVA
 - Non-Parametric Test
 - Multivari Chart
 - Simple Linear Regression
 - Multiple Regression

Improve

- Full Factorial Design of Experiment (DOE)
- Fractional Factorial Design of Experiment
- Response Surface Methodology (RSM)
- Evolutionary Operation (EVOP)

Control

- Statistical Process Control
- Advanced Statistical Process Control
- · Lean Tools for Control / Measurement System Re-Analysis

Lean Enterprise

- Lean Concepts
- Lean Tools
- Total Productive Maintenance

Design for Six Sigma

- Introduction, Quality Function Deployment
- Robust Design & Process, Failure Mode & Effects Analysis
- Design for X, Special Design Tool

Project Briefing

Project Briefing

Singapore Quality Institute (SQI) operates as a non-profit professional institute that promotes and advances excellence in the field of quality in Singapore; and actively champions quality initiatives in the region and around the world through networking and collaborating with other international quality organisations.

SQI is a World Partner of the American Society for Quality (ASQ); and a Board Member of both the Asian Network for Quality (ANQ) and the World Alliance for Chinese Quality (WACQ).

