

CERTIFIED SIX SIGMA GREEN BELT



Objectives

By the end of the Certified Six Sigma Green Belt, participants should be able to:
Apply the Six Sigma Methodology with main emphasis on Define, Measure, Analyze, Improve and Control (DMAIC) approach.

The DMAIC methodology is universally recognized and it is used when a product or process is already existing and do not meet the desired quality level.

Duration

5 Saturdays | 9am – 6pm | 5 weeks | 42 hours

Who should attend

Engineers and other practitioners/change agents who will be assisting in Six Sigma projects; or individuals interested in progressing to achieving certification for Six Sigma Black Belts.

Entry Requirement

At least a diploma with one year working experience.

Course Fees

Member: \$2,739.93
Non-Member: \$3,018.21

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

Assessment Method

Written examination - held approximately 4 weeks from end of course

Award of Certificate

Certificate of Completion will be issued to participants who have passed the written Exam.



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Course Contents

Six Sigma Introductions

- What is Team Dynamic?
- Team structure in Six Sigma
- Six Sigma Tools that need teamwork

Define Phase

- Failure Mode and Effect Analysis
- Project Charter
- Pareto, Process Mapping, SIPOC
- Supplementary Tools

Measure Phase

- Cause and Effect Analysis
- Basic Statistics
- Probability Distributions
- Central Limit Theorem
- Measurement System Analysis
- Process Capability Analysis

Analyze Phase

- Hypothesis Testing
- Regression
- Correlation Analysis
- ANOVA
- Multi-Vari Analysis
- Contingency Table

Improve Phase

- Introduction to Experiment
- Full Factorial Design
- General Factorial Design
- Fractional Factorial Design

Control Phase

- Statistical Process Control Charts
 - Attribute
 - Variable
- Process Control Plans
- Mistake Proofing
- Summary

Special Note:

Participants need to bring their own laptops for Minitab Software Demonstration



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

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.

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