



Six Sigma Green Belt

**PRACTICAL STRATEGY BRINGS
PERSONAL AND CORPORATE SUCESS**

Training for Servicing and Manufacturing Industries



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ABOUT SIX SIGMA INSTITUTE (SSI)

The Six Sigma Institute (SSI) is a non-profit making professional body. Its primary objective is to accredit Six Sigma professionals with recognized knowledge and skills in this application science. This SSI aims to work closely with professionals, training organizations, universities and other professional bodies in promoting the application of Six Sigma methodologies. Also, the SSI offers other Quality Management related trainings to lift the competitiveness of servicing and manufacturing practitioners.

SIX SIGMA PROGRAMME

The term Six Sigma comes from a statistical modeling of manufacturing processes and sets defect levels for all processes to below 3.4 defects per million opportunities (DPMO). Introduced by Motorola in 1980s, Six Sigma was widely adopted by top international companies in both manufacturing and service industries (e.g. General Electric, Nokia, Honda, Samsung and LG Electronics). Six Sigma is well-recognized by the world as an effective quality management methodology, aiming at lowering the defects stemmed from manufacturing or servicing processes, improving customer satisfaction and increasing company's revenue.

Six Sigma Project Achievements



▲ Profits



▼ Defects



▲ Customer satisfaction



▲ Service & product quality



▼ Cost



✓ Built a continuous improvement culture

COURSE OVERVIEW

Many organisations begin Six Sigma deployments by training capable employees to become Six Sigma Green Belts. They involve a larger critical mass of people to achieve breakthrough results from their Six Sigma initiatives. The aim of this course is to share our successful knowledge on how to apply the Six Sigma tools in achieving breakthrough improvements in customer satisfaction, cost reduction process improvement and cycle time reduction.

WHO SHOULD ATTEND?

1. First and second level team leaders and managers
2. Quality and process improvement professionals
3. Those interested in becoming Six Sigma professionals

SIX SIGMA GREEN BELT

COURSE OUTLINE

DEFINE

Identification of Six Sigma Project in the Organization

- Introduction to SSI's Green Belt Course
- Overview of Six Sigma and Its Recent Development
- Project Identification and Selection
- Project Charter
- Case Study – PDI Ltd
- Define the Process
- Case Study – SIPOC Chart
- Voice of Customer
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MEASURE

Structured Approach to collect data and information for your Six Sigma Project

- Overview of Measure Phase
- Detail Process Map and Top-Down Chart
- Case Study – Process Map
- Case Study – Top-Down Chart
- In/Output Analysis and C&E Matrix
- Case Study – In-Output Analysis and C&E Matrix
- Measuring and Collecting Data
- Data Sampling Methods
- Measurement System Analysis
- Introduction to SigmaXL
- Basic Statistics
- Baseline Measure
- Baseline Metrics
- Case Study – Discrete Data

ANALYZE

Building the Six Sigma Analytical Tool Kit

- Overview of Analyze Phase
- Process Analysis
- Identify Root Cause
- Case Study – Graphical Data Analysis
- Testing Relationships
- Regression Analysis
- Chi Square Test
- Confirming Improvement Results
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IMPROVE

Team Dynamics - Working with and through Others to Get Project Breackthrough

- Improve Phase Overview
- Generating Ideas for Solutions
- Piloting
- Cost Benefit Analysis
- Case Study – Improve
- Implementing the Solution
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CONTROL

Sustaining Gains and Institutionalizing Change with Your Six Sigma Project

- Control Phase Overview
- Process Risk Management –
- FMEA
- Control Plan
- Handoff Plan
- SPC for On-going Control
- Case Study – Attribute Control Charts
- Introduction to TOCLSS
- Why Six Sigma Professionals Have Better Career Opportunities
- Overall Review
- Mock Paper

CERTIFICATE

Certificate of Green Belt in Six Sigma will be awarded to participants who have 70% or above attendance, complete all assignments and pass the examination.

RECOMMENDED COURSE

Green Belt course could be enrolled with Black Belt course as a Combined Course and the examination of Green Belt will be exempted.

WHY SHOULD JOIN SSI PROGRAMME?

PRACTICAL

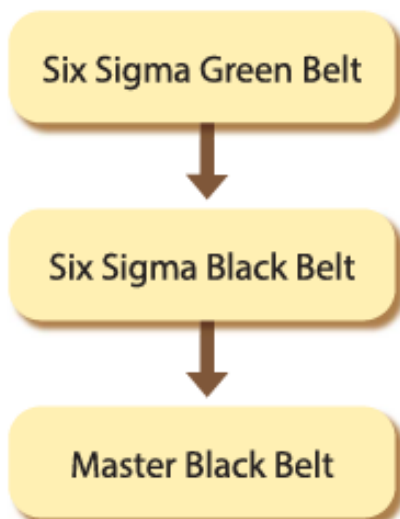
The programme contains of lectures, workshops and project works. Real study cases will be shared.

QUALITY

Our lecturers have rich related teaching experience, they are Registered Six Sigma Master Black Belt / Black Belt and experienced in implementing six sigma projects and quality management.

FURTHER STUDY PATH

Graduates who pass the examination are eligible to apply for SSI Six Sigma Black Belt Programmes.



FLEXIBLE SCHEDULE

Provide weekday and weekend courses to let students budget their time between work and family life.

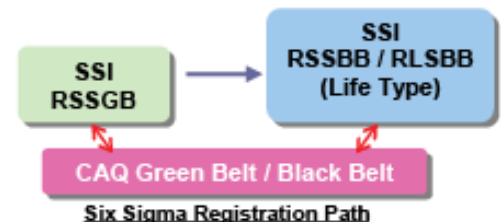
PROFESSIONAL NETWORK

SSI students can join our SixSigma Community which aims to develop a strong social network for Six Sigma professionals.

RECOGNITION

Certificate holders are eligible to be registered with Six Sigma Institute as a Registered Six Sigma Green Belt and granted with the title of RSSGB.

Green Belt and Black Belt qualifications of SSI have been mutually recognized by China Association for Quality (CAQ). RSSGB who also meets the registration requirements of China Association for Quality (CAQ) for Certified Green Belt, is eligible to apply for such qualification under a mutually recognition scheme of the two organizations.



COURSE FEE

HK \$6400

10 % off

early bird discount for settle payment 4weeks before course commencement date

15 %off

discount for 3 or above enrollment from the same company