

Certified Six Sigma Black Belt (98 hrs)

(This programme is conducted in partnership with SQ Centre)

This programme imparts a thorough in-depth knowledge and understanding of all aspects of and Six Sigma. It is a customer focussed, data driven approach to optimize products, processes and services.

Black Belts have the ability to lead Six Sigma projects that result in break through improvements critical for business success. They are directly responsible for project execution which enhances team problem solving with the use of statistical tools.

Certified Six Sigma Black Belts are the change agents for Six Sigma deployment. As on-site implementation experts who develop, coach and lead cross-functional teams, Black Belts also mentor and advise management to prioritise, plan and launch Six Sigma projects.

KEY BENEFITS

- Learn the Six Sigma methodology, tools and techniques.
- Learn to apply Six Sigma for continuous improvement work and solve real life problems.
- Acquire the knowledge and skills to complete Six Sigma projects
- Ability to lead project teams to achieve breakthrough results.
- Be recognised as Six Sigma professional and expert coach to guide other staff members.
- Learn to do statistical data analysis using Minitab software.

COURSE CONTENT

Week 1 – Define, Measure

- Introduction to Six Sigma
- Six Sigma deployment and DMAIC roadmap
- Six Sigma measurements
- Project selection and chartering
- Process mapping
- Basic tools/basic statistics
- Process behaviour charts

Week 2 – Analyse, Improve, Control

- Failure mode and effects analysis
- Multi-vari studies
- Measurement System Analysis (MSA) for continuous variables
- Attribute agreement analysis
- Correlation and regression
- Design of Experiment (DOE)
- Control plan

Week 3 – Change Management and Advanced Topics

- Leading change and effective team building
- Hypothesis testing
- Analysis of variance (ANOVA)
- Advanced DOE
- Response Surface Methodology (RSM)

Week 4 – Design for Six Sigma and Advanced Topics

- Advanced process behaviour charts
- Non-normal capability analysis
- Non-parametric testing
- Evolutionary Operations (EVOP)
- Design for Six Sigma (DFSS)

LEARNING METHODOLOGY

Various interactive activities, group discussions, class exercise and real life case studies are used to enable participants to learn the concepts, tools and techniques. Laptops provided in classroom for every participant to learn Minitab software and do statistical analysis.

Participants are strongly encouraged to work closely with our in-house consultants (Six Sigma experts) for guidance on their project work.

WHO SHOULD ATTEND

Managers, engineers, technical staff, process owners, quality professionals, preferably diploma holders and above with minimum two years of work experience.

CERTIFICATION (OPTIONAL)

Certification Criteria:

- Participants are required to attend the full four weeks Six Sigma Black Belt training course and also pass the theory exam conducted by Service Quality Centre.
- Complete minimum of two Six Sigma Black Belt projects (one as project lead).
- The project must meet the certification criteria determined by our in-house Six Sigma Consultant/Certification Panel.

COURSE DETAILS

Full-Time Training –

2016 Training Schedule	
Jul	Sep
Wk 1 – 25 to 27 July	Wk 1 – 5 to 7 Sep
Wk 2 – 22 to 24 Aug	Wk 2 – 3 to 5 Oct
Wk 3 – 24 to 27 Oct	Wk 3 – 14 to 17 Nov
Wk 4 – 21 to 24 Nov	Wk 4 – 5 to 8 Dec

Duration : 14 days over 5 months (98 hrs)

Time : 9:00am – 5:00pm

Course Fee : \$7,062.00 (Incl.7% GST)

Certification Fee : \$535.00 (Incl. 7% GST)

BUSINESS FUTURE
C O N S U L T I N G

Part-Time Training -

2016 Training Schedule
Aug
Wk 1 - 27 Aug, 3 & 10 Sep
Wk 2 - 17, 24 Sep & 1 Oct
Wk 3 - 8, 15 & 22 Oct & 5 Nov
Wk 4 - 12, 19, 26 Nov & 3 Dec

Duration : 14 days over 5 months (98 hrs)
Time : 9:00am - 5:00pm (Every Saturday)
Course Fee : \$7,062.00 (Incl.7% GST)
Certification Fee : \$535.00 (Incl. 7% GST)

Any further enquiries, please contact us at
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