



CBIS Business Compliance and Excellence

We Provide a Simple, Smart and Affordable route to Lean Six Sigma Training and Certification

SIX SIGMA



**SIX SIGMA
GREEN BELT**



**ONLINE TRAINING
+ COACHING**

WHO WE ARE



We are a boutique training organisation who is accredited by the International Association for Six Sigma Certification (IASSC) and the Council for Six Sigma Certification for our Lean Six Sigma Yellow Belt (LSSYB), Lean Six Sigma Green Belt (LSSGB), Lean Six Sigma Black Belt (LSSBB) courses. These courses are delivered by accredited trainers in compliance with IASSC and the Council for Six Sigma Certification Body of Knowledge. Here is a handful of our clients:



COURSE OVERVIEW



This Six Sigma Green Belt course prepares participants to perform the role of a Six Sigma Green Belt. The Six Sigma Green Belt training materials comprise a comprehensive curriculum covering everything within the Six Sigma Body of Knowledge required to successfully complete Green Belt certification.

After achieving this qualification, Green Belts contribute their knowledge and expertise utilising the DMAIC methodology and the relevant tools during execution of a project in their work unit as a project manager under supervision of a Black Belt.

DURATION



Flexible within a defined 90-day period

CERTIFICATION



After completion of the course and the successful passing of a web-based exam, the participant will be certified by 6sigmastudy. The exam format is:

- Online proctored exam
- 90 multiple-choice questions
- 120 minutes duration
- One mark awarded for every right answer
- No negative marks for wrong answers
- Pass mark is minimum 65% of the total score

All participants are coached by the experts in the CBIS and a complementary certificate will be issued to each successful participant.

TARGET AUDIENCE



The Six Sigma Green Belt certification program is perfect for participants with no or limited exposure to Six Sigma who want an introduction to Six Sigma. The Green Belt program gives participants a thorough understanding of the Six Sigma framework and some of the tools used in it.

WHAT IS INCLUDED



- ✓ Coaching sessions. (up to 6 hours through email, phone, Skype, etc.).
- ✓ Technical support
- ✓ High Quality Videos
- ✓ Downloadable Reference Materials
- ✓ Proctored Online Certification Exam
- ✓ Mobile Apps
- ✓ 25 PMI PDUs

PREREQUISITES



Preferably Six Sigma Yellow Belt (Not mandatory).

COURSE OUTLINE



Introduction to Six Sigma

- History of Quality (Deming, Juran, JIT, Ishikawa, Taguchi, etc.)
- Evolution of Six Sigma
- Defining Six Sigma – philosophy and objectives
- Overview of Six Sigma DMAIC process

Stakeholders & Setting up a Six Sigma Project

- Identifying and Documenting stakeholder requirements
- Project Selection Criteria
- Project Planning
- Managing Team Dynamics
- Important project management & planning tools

Six Sigma Methodology – Define

- Organization hierarchy
- High level process maps
- High level Pareto charts
- Idea generation and categorization tools

Six Sigma Methodology – Measure

- Data collection tools and techniques
- Measurement scales
- Validation techniques (Gauge R & R)
- Statistical distributions
- Data mining
- Run charts
- Process map
- Stakeholder tools
- Process costs

Six Sigma Methodology – Analyze

- Ishikawa diagram
- Failure mode and effects analysis
- Hypothesis testing
- Process capability study

Six Sigma Methodology – Improve

- Returns on investment
- Solution design matrix
- Design of experiment
- Taguchi robustness concepts
- Response surface methodology
- Project planning and management tools
- Prototypes

Six Sigma Methodology – Control

- Control plan
- Statistical process control
- Lean enterprise
- Kaizen
- Kanban
- Total productive maintenance

- 5S

- Measurement system reanalysis

Case Study

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