CBS 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

CLASSROOM TRAINING

WHO WE ARE

At CBIS, we offer classroom training for Lean Six Sigma Yellow Belt, Green Belt and Black Belt courses under accreditation of International Association for Six Sigma Certification (IASSC) and the Council for Six Sigma Certification. We are also Exemplar Global Certified TPECS Provider for the various Lean, Six Sigma, Lean & Six Sigma training courses from introductory to advanced level in compliance with ISO 18404:2015 international standard.

Here is a handful of our clients:

COURSE OVERVIEW

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

3 Full days – 9 am to 5 pm

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CERTIFICATION

After passing the knowledge exam and successful completion of the Six Sigma Green Belt Project Portfolio within 6 months, participants will be certified as Six Sigma Green Belt.

The certificate will be granted under Exemplar Global banner according to ISO 18404 international standard and includes the project title.

TARGET AUDIENCE

The Six Sigma Green Belt certification program is perfect for participants with limited or no exposure to Six Sigma who want to achieve their Six Sigma Green Belt Certificate without achieving Yellow Belt Certificate. The Six Sigma Yellow Belt body of knowledge is covered in the first day and the additional topics are covered in the remaining 2-days for upgrading to Lean Six Sigma Green Belt.

WHAT IS INCLUDED

- ✓ Pre-course On-line Introduction Video
- ✓ Green Belt Course Material (Hard Copy)
- ✓ Minitab Exercises Manual (Hard Copy)
- ✓ Data files for Minitab practices
- ✓ One-month Minitab exercise support
- ✓ Green Belt project templates pack to be used for the Six Sigma Project
- ✓ Green Belt practice test
- ✓ Green Belt Certification Exam
- ✓ Green Belt Project Portfolio
- ✓ Six months project support service

PREREQUISITES

As all Six Sigma Green Belt topics are covered during the course, there is no formal prerequisite for the Six Sigma Green Belt Certification. Intermediate numeracy and statistical knowledge is required.

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COURSE OUTLINE

Introduction to Six Sigma

- What is Six Sigma?
- Six Sigma History
- DMAIC Methodology
- DMAIC Vs. DMADV

Define Phase

- Team, Teamworking, Team Building, Team roles and responsibilities
- Creative Thinking and Brainstorming
- Generating Project Ideas
- Affinity Diagram
- Project Selection Matrix
- Project Planning / Project Management
- Stakeholders Analysis
- Project Risk Assessment
- Communication Skills and Communication Planning
- Project Charter
- Process Definition
- SIPOC
- Voice of Customer (VOC)
- Critical to Quality (CTQ)

Measure Phase

- C&E (Fishbone) Diagram
- Pareto Chart
- C&E Matrix (X-Y Diagram)
- Different types of Data
- Inferential and descriptive statistics
- Population and Sampling
- Stratification
- Data Collection Plan
- Measurement System Analysis (MSA)
- Accuracy and Precision
- Bias
- Linearity
- Stability
- Repeatability & Reproducibility (G R&R)
- Attribute MSA (KAPPA)
- Statistical Measures (Mean, Median, Mode, Range, Variance, Standard Deviation, Skewness, Kurtosis)
- Different Types of Variation
- Histogram
- Normal Distribution and Normality
- Run Chart
- Individual Control Chart
- Normal and standardised normal distributions
- Central Limit Theorem
- Process Capability Indices (Cp, Cpk, Pp, Ppk)
- Short Term and Long Term Sigma Level

Analyse Phase

- Process Mapping Tools (SIPOC, Spaghetti Diagram, Process Flow Chart, etc.)
- Graphical Cause Validation Tools (Fishbone Diagram, 5 Whys, …)
- Box Plot, Dot Plot, Main Effect Plot, Multi-vari Chart
- Hypothesis Test
- Chi-square Test
- Scatter Plot and Correlation

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- Statistical Cause Validation Tools
- Simple Linear Regression
- Non-Linear Regression

Improve Phase

- Improvement Strategy
- Cost-Benefit Analysis
- Improvement Solution Selection
- Motivation and Motivating Others
- Project Pilot
- Project Planning

Control Phase

- Standardisation
- Control Plan
- Documentation
- Training
- Self-Review and Self Development
- Individual and organisational changes
- Statistical Process Control
- Variable Control Charts (Xbar-R, Xbar-S, …)
- Attribute Control Charts (C chart, P chart, ..)
- Before and After Analysis
- Presentation and Report Writing Skills
- Project Closure

CONTACT US

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