CBS Business Compliance and Excellence

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

LEAN SIX SIGMA

LEAN SIX SIGMA YELLOW TO GREEN BELT UPGRADE

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

This Lean Six Sigma Yellow to Green Belt Upgrade course prepares participants to perform the role of a Lean Six Sigma Green Belt. The Lean Six Sigma Yellow to Green Belt Upgrade training materials comprise a comprehensive curriculum covering everything within the Lean 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 successful completion of the course and passing the IASSC web-based or paper-based exam, participants will be certified by the International Association of Six Sigma Certification, as Lean Six Sigma Green Belt.

The second certificate will be granted under Exemplar Global banner according to ISO 18404 international standard and with the project title after successful completion of the Lean Six Sigma Green Belt Project Portfolio within 6 months.

TARGET AUDIENCE

The Lean Six Sigma Yellow Belt certification program is perfect for participants with limited or no exposure to Lean Six Sigma who build an understanding of the Lean Six Sigma methodology at a basic level and then utilise that knowledge as a part of a project under the supervision of a 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 Lean Six Sigma Project
- ✓ Green Belt practice test
- ✓ Green Belt Certification Exam (paper-based or web-based)
- ✓ Green Belt Project Portfolio
- ✓ Six months project support service

PREREQUISITES

A Lean Six Sigma Yellow Belt Certificate issued by an accredited training service provider is a prerequisite for this course. Without this certification, CBIS cannot guarantee the adequacy of the Green Belt training. The Green Belt Body of Knowledge is not covered in detail during this course. Intermediate level numeracy and statistical knowledge are required.

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COURSE OUTLINE

Define Phase

- Team, Teamworking, Team Building, Team roles and responsibilities
- Creative Thinking and Brainstorming
- Generating Project Ideas
- Affinity Diagram
- Project Selection Matrix
- Stakeholders Analysis
- Project Risk Assessment
- Project Planning / Project Management
- Communication Skills and Communication Planning
- Project Charter
- Project Measures (Metrics) Incl. Yield, RTY, DPO, DPMO, ...
- Cost of Poor Quality (COPQ)
- LSS and Cost
- Process Definition
- SIPOC
- Voice of Customer (VOC)
- Critical to Quality (CTQ)

Measure Phase

- C&E Matrix (X-Y Diagram)
- FMEA
- 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
- Data Transformation, Box Cox, Johnson
- 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

- Value and Non-value Add Analysis
- Statistical Cause Validation Tools
- Box Plot, Dot Plot, Main Effect Plot, Multi-vari Chart
- Hypothesis Test
- Chi-square Test
- Scatter Plot and Correlation
- Simple Linear Regression
- Non-Linear Regression
- Multiple Linear Regression

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Improve Phase

- Just-In-Time (JIT)
- Pull and Push Systems
- Kanban
- Cost-Benefit Analysis
- Improvement Solution Selection
- Motivation and Motivating Others
- Project Pilot
- Project Planning

Control Phase

- Self-Review and Self Development
- Individual and organisational changes
- Visual Control
- 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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