



CBIS Business
Compliance
and Excellence

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



SIX SIGMA BLACK TO MASTER
BLACK 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 Six Sigma Black Belt to Master Black Belt Upgrade course prepares participants to perform the role of a Six Sigma Master Black Belt. The Six Sigma Black to Master Black Belt Upgrade training materials comprise a comprehensive curriculum covering everything within the Six Sigma Body of Knowledge required to successfully complete Master Black Belt certification. After achieving this qualification, Master Black Belts utilise the extensive acquired DMAIC methodology and the advanced tools during the execution of a project as a coach and consultant, as well as coach and mentor a team of Green Belts and Black Belts.

DURATION



3 Full days – 9 am to 5 pm

CERTIFICATION



After passing the knowledge exam and successful completion of the Six Sigma Master Black Belt Project Portfolio within 6 months, participants will be certified as Six Sigma Master Black 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 Black to Master Black Belt Upgrade certification program is perfect for participants who are already Certified Six Sigma Black Belts who want to upgrade their knowledge to become a Six Sigma Master Black Belt.

WHAT IS INCLUDED



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

PREREQUISITES



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

COURSE OUTLINE



Introduction to Six Sigma

- DMAIC Methodology
- DMAIC Vs. DMADV

Define Phase

- Generating Project Ideas
- Balanced Scorecard (BSC)
- Hoshin Planning
- Stakeholders Analysis
- Project Risk Assessment
- Project Planning / Project Management
- Communication Skills and Communication Planning
- Project Charter
- Cost of Poor Quality (COPQ)
- Quality Function Deployment (QFD)

Measure Phase

- Measurement System Analysis (MSA)
- Repeatability & Reproducibility (G R&R)
- Destructive Measurement Systems
- Normal Distribution and Normality
- Data Transformation, Box Cox, Johnson
- Process Capability Indices (Cp, Cpk, Pp, Ppk)
- Short Term and Long Term Sigma Level

Analyse Phase

- Theory of Constraints (TOC)
- Statistical Cause Validation Tools
- Hypothesis Test
- Simple Linear Regression
- Non-Linear Regression
- Multiple Linear Regression
- Logistic Regression

Improve Phase

- Design of Experiment (DOE)
- Advanced DOE (Taguchi Designs,...)
- Change Management
- Motivation and Motivating Others

Control Phase

- Training Design and Delivery
- Self-Review and Self Development
- Individual and organisational changes
- Coaching
- Statistical Process Control
- Advanced Control Charts (EWMA, CUSUM,...)
- Additional topics
 - Design for Six Sigma (DFSS)

CONTACT US

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