

MST- ISL Certified Six Sigma Black Belt Upgrade Course (Through Distance Learning)



INSTITUTE OF SIGMA LEARNING

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MST-ISL CERTIFIED SIX SIGMA BLACK BELT (UPGRADE)

Black Belts are at the core of the Six Sigma implementation. 'Black Belt' is an individual who has developed a synergistic proficiency between his or her technical discipline and the Six Sigma strategies, methodology and tools. Black Belt skills are not only required for people working in Quality department as they improve the productivity of people in all other functional departments. ISL has taken the initiative and designed an innovative black belt distance learning course to accelerate the learning process. The salient features of the Black Belt distance learning course:

- Fully covers the internationally recognized Body of Knowledge (BoK) developed by the following third party certification agencies:
 - American Society of Quality (ASQ) USA.
 - International Quality Federation (IQF) USA
- Focuses on Statistical Skills as well as Soft Skills. Specially designed course material, for ease of learning.
- Multimedia CBT with audio lectures for accelerated learning.
- Experienced professionals answer queries through web-based e-Mentoring.
- Web-based assignments with e-Quiz and e-Case Study.
- Web-based project guidance using e-Facilitation.
- Free Ms-Excel based template (covers all advanced statistical tools available in MINITAB)
- Flexible – start the course any time and complete in 3 – 12 months time.
- Take the IQF computerized exam any day any place.

Six Sigma Certified people are in high demand in all Industries, especially in BPO, Call Centers, software, Automotive etc. Your carrier growth will be faster than your friends without six sigma qualification. Further, Six Sigma qualification also helps individuals in changing the industry. Many professional have successfully shifted from Manufacturing to Call Centers, BPO.

BENEFITS OF BLACK BELT CERTIFICATION

We are in knowledge era and six sigma qualifications are unique when compared to the normal university based qualification. Six Sigma Certification is based on both knowledge and skills and gives confidence in your capabilities. The major benefits of six sigma Black Belt certification: Able to get better jobs and higher salaries. Six Sigma skills are generic and thus helps switch industry. Faster return on investment when compared to MBA and other qualifications.

LEARNING METHODOLOGY

The MST-ISL distance learning course is designed to take advantage of the traditional as well as modern concepts. The entire course is divided into 7 modules. The learning involves the following steps:

- Self study (books and Multimedia CBT)
- Quiz and case studies for skill development.
- Web-based e-mentoring support for clarification of queries.
- Implementing 2 real-life projects with the active guidance of experts. Upgrade Black Belt needs to do one project, if completed one project during Green Belt otherwise two projects.
- Take the IQF Six Sigma Black Belt exam.
- The course material consists of 3 books, and 2 CBTs containing audio lectures, Ms-excel templates, case studies, IQF exam software, and Instructions.

COURSE CONTENT

The ISL-Black Belt (Upgrade) course is divided into 7 modules and covers the Body of Knowledge (BoK) of Six Sigma Certifications offered by American Society of Quality (ASQ) and International Quality Federation (IQF):

Module 1 (Six Sigma Leadership)

- Enterprise View
- DMAIC Plus Model
- Toolkit for Six Sigma Leaders
- Risk Analysis
- Quality Gurus

Module 2 (Advanced Data Analysis)

- Understanding Variation and Causes
- Strategies to Reduce Variation
- Understanding SPC
- SPC for Special Cases
- Advanced Statistical Concepts

Module 3 (Optimization and Robust Design)

- Factorial Designs
- Fractional Factorial Designs
- Taguchi Methods, S/N Ratios
- Planning and Organizing Experiments
- Advanced DOE

Module 4 (Design for Six Sigma)

- Understanding DFSS
- Voice of the Customer & QFD
- Design of Manufacturability
- System and Design FMEAs
- Risk Management
- Axiomatic Design
- TRIZ
- Creativity

Module 5 (Lean Enterprise)

- Lean Enterprise
- Lean Thinking
- 3M, Seven Types of Wastes
- Heijunka
- Kanban
- Takt Time
- Value Stream Mapping
- 5 S
- TPM
- Continuous Flow Manufacturing
- Cycle Time Reduction
- TOC

Module 6 (Change Management)

- Managing Cultural Change
- Managing Teams
- Facilitation Process and Tools

- Team Dynamics and Performance
- Project Management
- Knowledge Management
- Management & Planning Tools

Module 7 (IQF BoK Advanced Topics)

- Advanced Distributions
- Advanced Statistical Inference & ANOVA
- Advanced Measurement Assurance
- Regression
- Multi-Factor ANOVA
- Project Value
- Project Management

WHO CAN DO THIS COURSE

This training and certification is designed for Manufacturing, Services, and Software, BPO and call centers. This course is NOT only for people working in Quality Departments. This course is useful for people working in all functions – HR, Operations, Finance, Logistics, etc. MST-ISL Six Sigma Green Belt certification is a pre-requisite for doing the Black Belt (Upgrade) certification course. **This training and certification is for students who are IQF Green Belt Certified.**

REGISTRATION

- Register online at www.isl.co.in and pay Fee Php 22,500.00 through Credit Card, bank transfer, Cash or Cheque deposit, money transfer (in favor of MST Consulting & Training Services)
- The course material is sent within two working days.

E-LEARNING

Mentoring is a very critical aspect of development of Black Belts. Experienced Black Belts and Master Black Belts will provide answers to the queries of Black Belts. With this Black Belt gets the advantage of learning from not one but several highly experienced mentors simultaneously.

E-FACILITATOR

The e-Facilitator is an innovative tool to help you in implementing the six sigma DMAIC project. Experienced Black Belts and Master Black Belts will review your project at every stage and give guidance. You can interact with BB/MBB through this tool.

E-QUIZ

The e-Quiz is an interesting tool to help you in testing your knowledge. You can test your knowledge at each STAGE or the entire course. You can also check your preparedness to IQF and ASQ USA exams. The STAGE wise, topic wise details evaluation report is generated instantly. The questions are generated randomly and for each wrong answer, right answers along with comments are also displayed instantly.

FAQ

Who gives the Black Belt Certificate?

MST-ISL Six Sigma Black Belts are prepared for International Quality Federation (IQF), USA certification. IQF Black Belts are required to complete two projects and pass the IQF exam to qualify for the award of IQF Certificate.

How do these certificates recognized?

Currently there are two third party agencies from USA, who are offering the Six Sigma Black Belt certification, namely, American Society for Quality (ASQ) and International Quality Federation (IQF). They conduct exam and certify the qualified.

I am NOT from six sigma Company, how can I do projects?

ISL is not looking for any certificate from your company. The Mentors will be interested in checking your skills in applying six sigma methodology and tools and give you feedback. This is part of the learning process.

ABOUT MST

Management Systems & Technology (MST) in partnership with Institute of Sigma Learning Pvt. Ltd. (ISL) teamed up together with a vision of providing these courses at a reasonable cost. ISL has the experience of training more than 300 Black Belts in India and abroad. MST-ISL is representing International Quality Federation (IQF), USA and authorized to issue certificates in India and Philippines. ISL is first to publish books on six sigma and also first to launch distance learning courses in six sigma. ISL is continually developing Microsoft Excel based templates to help the Black Belts and Green Belts in the data analysis with out the need to use expensive statistical software's, such as MINITAB, SPSS etc. Further, ISL is first to introduce innovative web-based tools for accelerating self learning. Web-based tools are e-Mentoring, e-Quiz, e-Case Study and e-Facilitator.