Six Sigma Green Belt Training Program

Delivery Method: Classroom

Duration: 8 Days

Course Methodology

- A highly engaging and interactive course that ensures better internalization of Six Sigma concepts and principles.
- Students work through the course rather than just listening for higher retention of concepts and theory.
- Group exercises demonstrate and bring to life the concepts being taught.
- Practical implementation issues are discussed with relevant Six Sigma tools and techniques.
- A central case-study integrates all the Six Sigma concepts as the participants work through an entire Six Sigma project.
- Students learn to carry out analysis with the help of globally used Minitab software for which online training is provided free to classroom participants.

Course Objectives

Upon completion of the 6Sigmastudy's Six Sigma Green Belt course, participants will be able to:

- Identify project selection and evaluation criteria
- Plan and execute Six Sigma projects
- Form and effectively lead a Six Sigma project team
- Apply DMAIC (Define, Measure, Analyze, Improve, and Control) and various Six Sigma tools in process and quality improvement
- Assess and manage project risk
- Significantly increase profitability through Six Sigma projects
- Avoid pitfalls in implementing Six Sigma
- Integrate and enhance innovation and problem solving skills

Course Inclusions

- Workbook
- Chapter test booklet
- Case study booklet
- Role play documents
- Six Sigma Green Belt Certificate
- Gifts and supplies
- Access to online course and mobile app for on-the-go learning
- 30 PMI approved PDUs with the classroom course.
- Free “Six Sigma Minitab Online” course covering comprehensive Six Sigma concepts with examples from Minitab (provided after the class)

Audience Profile

This course is for employees and organizations requiring a standardized approach to problem solving for the purpose of continuous improvement. This includes team leaders, supervisors, associates, Quality Assurance Engineers, Project Managers, Software Professionals, Practitioners, Quality Assurance team members, Working Executives and Senior Management who will dedicate even a small portion of their time applying the DMAIC tools to their usual work areas.

Also included are future managers who want to get certified as Green Belts in Six Sigma, Management and Engineering students who desire to be more resourceful and employable, Project Management Professionals (PMP) who want to earn PMI PDUs by learning nuances of the Quality paradigm and any other professionals who are doing research, innovations or consulting in process improvement practices.

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Course Outcomes

- This course aims to familiarize participants with the tool and techniques, advantages, and challenges of the Six Sigma methodology.
- Participants will be equipped with the knowledge needed for production process improvement in their organizations and to help their organizations adopt the Six Sigma methodology.
- Participants will be able to use Six Sigma concepts for solving real-life problems based on case studies experienced in class.
- Participants will be able to identify, anticipate and work to resolve issues related to the practical implementation of Six Sigma.
- Participants will be armed with the proper tools to address, resolve, and take the lead on production quality issues in their organizations.
- Participants will develop superior problem solving skills that can be immediately applied in real world projects.

Course Outline

Introduction to Six Sigma

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

Stakeholders and Setting up a Six Sigma Project

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

Six Sigma Methodology – Define

- Inputs – Need for six sigma project, executive management sponsorship, core team identified
- Tools
- Outputs

Six Sigma Methodology – Measure

- Objectives of Measure Phase
- Inputs – the outputs of the Define phase
- Tools
- Outputs

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Course Outline (Continued)

- Outputs

Six Sigma Methodology – Improve

- Objectives of Improve Phase
- Inputs – outputs of the Analyze phase
- Tools
- Outputs

Six Sigma Methodology – Control

- Objectives of Control Phase
- Inputs – outputs of the Improve Phase
- Tools
- Outputs

Role play covering a six sigma project - A real-world based role-play for delivering a practical understanding to the students

Case Study Evaluation

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