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Six Sigma Online Green Belt Training

This SigmaXL-based Green Belt training is perfect for individuals that work on process improvement projects. Green Belts are project leaders that traditionally spend up to 50% of their time focused on Six Sigma projects. The focus at this level of proficiency is typically on stabilizing the process, getting rid of the firefighting mentality and having consistent performance. However, Green Belt roles and job requirements will vary between companies.



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Our Six Sigma Online Green Belt Training and Certification program is completely self-paced and available 24/7. The training uses SigmaXL software examples that lead to obtaining your Six Sigma Green Belt certificate. Upon completion of this training, students will have the option to become Project Certified for an additional charge of \$300. The skills you learn will help you strengthen your organization by understanding, interpreting, and using the core concepts of Six Sigma. Designed for professionals with little or no prior experience with Six Sigma methodologies, this course helps develop critical skills required for participating in successful Six Sigma projects.

What You'll Get

- Digital version of the same, complete Green Belt program delivered to our live classroom attendees
- On demand, 24/7 access for ONE year of access to professionally narrated online 6Sigma.us training courses
- ONE year of access to the training manual in electronic format with the ability to print a copy for your own use
- Perpetual License of SigmaXL Software for either Mac or PC
- Numerous Project Templates and Job Aids for Six Sigma Projects
- Online Quizzes and Exams, including 2 Session-end comprehensives examinations
- Upon completion of the training and passing the 2nd Session comprehensive exam, you will receive access to:
 - Certificate of Six Sigma Green Belt Training Completion
 - 4 CEUs from IACET and 40 PDUs from PMI
 - Ability to sign up at a later date for the Black Belt online program for just \$300

Optional Elements

- A printed copy of the slides used in the presentation can be purchased and shipped anywhere in the US
- We teach you how to use SigmaXL software while completing this training course
- Project Certification, a requirement to be a Certified Six Sigma Green Belt, can be obtained for an additional charge of \$300. This includes three hours of Master Black Belt remote support and project review time.

Online Program Requirements

- A computer with ability to stream online content
- Web browser: Internet Explorer 8, Firefox 2, Safari on Mac 1.2, or Google Chrome
- JavaScript and cookies enabled
- Mobile devices: Apple devices using Safari or Android devices using Google Chrome
- Online account is unique to each user for the purpose of providing continuing educational credits

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Online Course Syllabus

Session 1

- Lean Six Sigma Overview
 - Define Phase
 - Six Sigma Project Deployment
 - Process Mapping
 - Cause & Effect Matrix
 - Failure Mode Effect Analysis (FMEA)
 - Basic Statistics
 - Introduction to SigmaXL
 - Basic Quality Tools
 - Introduction to Statistical Process Control
 - Measurement Systems Analysis
 - Capability
 - MultiVari Planning
 - Lean Tools
 - Green Belt Wrap Up and Action Planning
- Session 1 Comprehensive

Session 2

- Hypothesis Testing
 - Correlation and Regression
 - t-Test
 - ANOVA
 - Chi Square Test
 - DOE
 - Mistake Proofing
 - Control Plan
 - Documentation
 - Green Belt Wrap Up
- Session 2 Comprehensive

Learning Outcomes

Possible variation of what we cover:

- Overview of Lean Six Sigma methods
- LSS deployment roles
- Introduction to variability
- Establishing a Baseline level of performance
- Data collection methods
- Basic methods for graphically analyzing data
- Mapping the process
- Waste identification
- Prioritization techniques
- Risk assessment techniques
- Detailed Process Mapping techniques
- Establishing measurement capability
- Techniques for analysis of the flow of the process
- Determining process capability to meet customer specifications
- Techniques for leading Process Mapping, Prioritization, and Risk Assessment techniques learned in Yellow Belt
- Designing and conducting Multi-Vari Studies (search for dominant process variables)
- Fundamentals of hypothesis tests
- Establishing sampling methods
- Analytical tests for sources of variation (Analysis of Variance (ANOVA), Chi-Square test for independence)
- Graphical analysis methods for identifying sources of variation
- Control methods for maintaining process stability



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