



Six Sigma Green Belt Online Training

WHO SHOULD ATTEND:

Anyone interested in learning the Six Sigma methodology to help a company in product or process improvement activities.

PURPOSE:

This seminar empowered with computer simulations and state of the art interactive presentations provides the student the key skills to establish the basic groundwork, basic measurement, analytical, and process improvement/control tools for six sigma projects.

DESCRIPTION:

In this online seminar you will learn and apply the basic tools of the six sigma methodology. The course consists of five modules: Define Measure, Analyze, Improve and Control. The course is delivered in five sessions during a recommended period of ten weeks.

Students may use Minitab 14 or Excel in class. In addition, students can order a copy of ActivStats for Minitab or Excel. ActivStats is a state-of-the art interactive educational tool for leaning statistics. It is very user friendly and allows you to learn at your own pace.

Participants will have the opportunity to ask questions to an online moderator seven days a week during the seminar and interact with other students in the online six sigma forum.

This seminar includes integrated quizzes to assure comprehension and the final Six Sigma Project allows opportunity to apply lessons to real business cases and transform knowledge into understanding.








Ten hours of free project support is included.

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WHAT YOU WILL LEARN:










- You will be able to describe the statistical and conceptual basis of the six sigma methodology as well as the basic management tools.
- You will have the skills to apply descriptive statistics and measurement system analysis tools.
- You will know how to apply the basic analytical tools as well as to describe the concepts of potential failure mode and effects analysis.
- You will be able to apply the basic principles of design of experiments in the context of manufacturing processes.
- You will have the knowledge to describe the basic concepts of statistical process control, to select the appropriate control chart, and to implement control charts.

CONTENT OVERVIEW:

DEFINE	<ul style="list-style-type: none">  Six Sigma Overview  Six Sigma Organization  Project Measures <ul style="list-style-type: none"> ○ Defects per Unit, ○ Throughput Yield, Rolled ○ Throughput Yield ○ Normalized Yield ○ DPMO ○ Process Capability ○ Cycle Time  Voice of the customer  Nominal Group Technique  Seven Management Tools  Process Mapping
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CONTENT OVERVIEW:




<p>MEASURE</p>	<ul style="list-style-type: none">  Basic Probability Concepts <ul style="list-style-type: none"> ○ Multiplication/Addition Rules  Basic Statistical Concepts <ul style="list-style-type: none"> ○ Drawing Valid Statistical Conclusions ○ Central Limit Theory and the Mean  Data Collection  Data Graphical Summary <ul style="list-style-type: none"> ○ Histograms ○ Pie Charts ○ Stem-and-Leaf Plots ○ Box-and-Whisker Plots  Basic Probability Distributions <ul style="list-style-type: none"> ○ Normal ○ Binomial ○ Poisson  Measurement System Analysis
<p>ANALYZE</p>	<ul style="list-style-type: none">  Analysis Fundamentals  Exploratory Data Analysis <ul style="list-style-type: none"> ○ Bivariate Studies ○ Relationships Between Variables ○ Correlation/Regression Analysis ○ Prediction Intervals ○ Multivariate Studies  Failure Mode and Effects Analysis

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CONTENT OVERVIEW:

<p>IMPROVE</p>	<ul style="list-style-type: none">  Improve Fundamentals  Experimental Design Principles <ul style="list-style-type: none"> ○ Terminology ○ Planning & Organizing Experiments ○ Fractional Factorial Experiments ○ Full Factorial Experiments  Design of Experiments Application
<p>CONTROL</p>	<ul style="list-style-type: none">  Statistical Process Control <ul style="list-style-type: none"> ○ Objectives and Benefits ○ Selection of Variable ○ Rational Sub grouping ○ Selection of Control Charts ○ Continuous Control Charts ○ Discrete Control Charts ○ Analysis of Control Charts

RECOMMENDED STUDENT MATERIALS AND SOFTWARE:

-  ActivStats for Minitab or Excel (optional)
-  Minitab 14 or Excel
-  Six Sigma Memory Jogger (provided)

RECOMMENDED HARDWARE:

- Windows XP, 2000, NT 4.0, Me, 98SE
- Intel Pentium II or higher and 32MB of RAM
- 256 K or faster Internet connection.
- Browser: Microsoft Internet Explorer
- Display resolution: 1024 x 768.
- Sound card and speakers (optional).

Green Belt price listing



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- I) Six Sigma Green Belt Training - Define \$195.00
- II) Six Sigma Green Belt Training - Measure \$195.00
- III) Six Sigma Green Belt Training - Analyze \$195.00
- IV) Six Sigma Green Belt Training - Improve \$195.00
- V) Six Sigma Green Belt Training - Control \$195.00