



Six Sigma Green Belt Training

8 Days

Training Description:

Six Sigma - Green Belt Training - a disciplined 5 phase methodology- DMAIC to solve quality issues within an organization. The statistical representation of Six Sigma describes quantitatively how a process is performing- current state and learning numerous continuous improvement tools to improve the quality metrics (future state). Green Belt Training supports a continuous improvement strategy that seeks to identify, reduce, and eliminate defects from products, processes and transactions. The approach requires defining the process function, identifying, collecting, and analyzing data, creating and consolidating information into useful knowledge and the communication and application of such knowledge to reduce variation. Students will learn statistical methods and will use statistical software, Minitab, to analyze the data and make improvements.

Training Objective:

For Certification the student will be required to take the 8 day training class, pass a Six Sigma Green Test and complete a Six Sigma Project. The student will use a Statistical Software package in class (Minitab) to solve statistical analysis problems. Six Sigma Project will address specific quality, productivity and process issues using a data driven approach to minimize process variation

Skill Attainment:

Six Sigma Green Belt Training - Participants will learn how to apply continuous improvement tools- subjective and analytical tools. Continuous Improvement skills will be taught in the class, hands on exercises, and learning statistical analysis using Minitab software. The following topics will be taught during this training:

- Introduction to Six Sigma
- Process Mapping
- Normal Distribution and other Distributions
- Measure System Analysis-MSA
- Problem Solving Tools
- Analysis of Variance (ANOVA)
- Statistical Process Control Concepts
- Poka Yoke Techniques
- Discuss Green Belt Projects
- Six Sigma Project Charter
- Introduction to Statistics
- Introduction to Minitab Software
- Process Capability- Cpk, Ppk
- Hypothesis Analysis
- Design of Experiments Analysis (DOE)
- Variable & Attribute Control Charts
- People Skills and Team Dynamics

Students will have access to Minitab software for 30 days