SIX SIGMA Black Belt Training (14Days) + 6 days Project

Workshop Content

This workshop enables participants to become the primary members in a project team to achieve Six Sigma levels of quality using a Breakthrough Strategy and methodology to address key product/service improvement opportunities

SRIJAN SOLUTIONS is the leading provider of Lean Six Sigma Training, in the format of Lean / Six Sigma Black Belt. Lean manufacturing training and six sigma training are two of the most valuable skills in business today. Businesses of all types are utilizing six sigma, lean manufacturing, and lean six sigma as the primary continuous improvement methodology. Our Lean Manufacturing Training course, delivered to individuals, colleges, and training canters, includes all of the major concepts in a single course. Modules include 5S, OEE, kaizen, muda, SMED, value stream mapping, TPM, and many others. Our Six Sigma Certification (Black Belt) courses are based on the widely accepted DMAIC (Define-Measure-Analyse-Improve-Control) model utilizing hundreds of tools and techniques. The course covers the material in depth with exercises, practices, and quizzes utilized to master the tools. Six Sigma Black Belt Certification is provided once the participants completes the respective projects assigned to them.

Who Should Attend

Candidates are usually drawn from the managerial or technical specialist level, with the expectation of being assigned responsibility to implement Six Sigma in a business unit

Prerequisites

Statistical Training is recommended but not required.

Workshop Materials

Workshop manual.

Workshop Goals

Gain skills to solve almost any business problem through use of Six Sigma Breakthrough Strategy and tools.

Workshop Outline

- Introductions
- Vision of Six Sigma

- Voice of Customer
- Certification Requirements
- Black Belt Project Planning
- Basic Statistics
- Minitab Overview
- Capability Analysis
- Process Mapping
- Failure Mode & Effects Analysis
- Project Planning/ Reporting
- Measurement System Analysis
- Central Limit Theorem
- Confidence Intervals
- Data Collection and analysis
- Graphical Analysis
- Multi-Vari
- Hypothesis Introduction
- Hypothesis Testing
- Correlation/Regression
- ANOVA
- Black Belt Project Planning Reviews
- NN capability
- DOE Introduction
- Full Factorial
- Fractional Factorial
- 2K Factorial
- RSM/EVOP
- Workshop
- Review of "AI"
- Introduction to control phase
- Introduction SPC
- Statistical Process Control
- Pr-Control Charts
- Statistical Tolerance
- Mistake Proofing