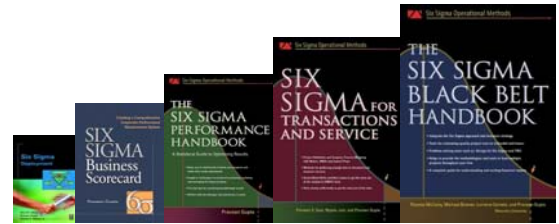


# Accelper Consulting

## Six Sigma Green Belt Training



### About the Green Belt Program

Accelper's Green Belt program enables participants to apply Six Sigma tools and concepts to problem solving and realize immediate benefits. It follows a proven methodology for addressing performance improvement projects.

The five-day Green Belt program is designed to understand Six Sigma and the DMAIC methodology. At the end of the program, the participants will be on their way to work on Six Sigma projects. The course incorporates a practical level of statistical and graphical tools to define, measure, analyze, improve and control processes. During the class, each participant will be introduced to Minitab software for statistical data analysis.

### Why Six Sigma Training from Accelper?

- Involved with Six Sigma since its birth
- Authored Five Books on Six Sigma
- Trained and experienced instructors
- Hands-on approach with real-life practice sessions
- Excellent follow-up support
- Success stories

### Target Participants

A Green Belt candidate can be an individual from any function or level of the organization, including engineering, manufacturing, quality, sales, marketing, customer service, accounting, IT and finance.

### Pre-requisites

Each participant is expected to bring a laptop computer with a 30-day evaluation copy downloaded from [www.minitab.com](http://www.minitab.com).

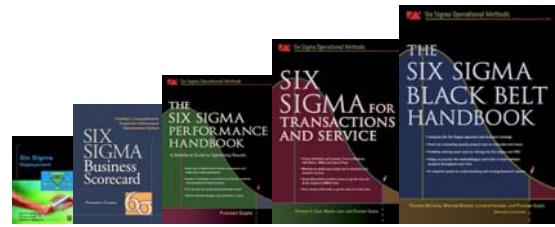
### Master Instructors

**Praveen Gupta**, founder of Accelper Consulting, has been involved with Six Sigma right since its birth at Motorola and was a Six Sigma Instructor for Motorola University. Praveen has trained hundreds of people in the US, Singapore, Canada and the UK. He has worked or consulted with more than 100 organizations worldwide, including Motorola, Comdisco, Molex, AT&T Bell Labs, Sloan Valves, Dentsply, Experian, Superior Essex, and Abbott Laboratories. He is the author of several books on Six Sigma including *Six Sigma Business Scorecard*, and *The Six Sigma Performance Handbook*. In addition, he writes a monthly column for [www.qualitydigest.com](http://www.qualitydigest.com). Praveen holds a BSEE degree from IIT, Roorkee, India, and MSEE degree from Illinois Institute of Technology, Chicago. Praveen is an ASQ Fellow and a Master Six Sigma Black Belt.

**Arvin Srivastava**, a Consultant at Accelper Consulting, has over 15 years of experience in business process improvement and Six Sigma in several industries. He has contributed chapters in *The Six Sigma Performance Handbook* and *Six Sigma for Transactions and Service*. Arvin has facilitated Six Sigma training, and projects at Accelper's clients. Arvin received his BSME degree from IIT Roorkee, India, and MBA from Benedictine University, Lisle, Illinois. Arvin is a Six Sigma Black Belt.

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### *Program Overview*

#### **Day 1**

- Understanding Six Sigma and its role in achieving competitive advantage
- Understanding roles of leadership and key players
- Overview of DMAIC methodology
- Simulation Exercise: Demonstration of the Need for Six Sigma

#### **Day 2**

- **Introduction to Define phase**
- Identification and selection of improvement opportunities
- Developing team objectives, goals and targets
- Identifying customers and customer requirements
- Process Mapping
- SIPOC

#### **Day 3**

- **Introduction to Measure phase**
- Determining measurements
- Managing performance measurements
- Understanding basic statistics
- Six Sigma measurements
- Analyzing measurement system
- Process capability analysis
- Introduction to Minitab

#### **Day 4**

- **Introduction to Analyze phase**
- Root cause analysis
- Multi-vari analysis
- Failure mode and effect analysis
- Regression analysis
- Hypothesis testing
- Introduction to ANOVA

#### **Day 5**

- **Introduction to Improve phase**
- Developing solutions
- Introduction to design of experiments
- Risk analysis
- Evaluating change
- Managing implementation
  
- **Introduction to Control phase**
- Introduction to statistical processes control
- Introduction to control charts
- Introduction to pre-control
- Implementing process controls
- Monitoring progress
- Closing a project