

## CERTIFICATE IN SIX SIGMA GREEN BELT (SSGB)

*"Master the Tools, Techniques, and Mindset to Drive Quality and Process Excellence"*

### Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

### Introduction

The Six Sigma Green Belt Certification (SSGB) program empowers professionals with the structured methodology and data-driven techniques needed to lead or support continuous improvement initiatives. Through the DMAIC (Define, Measure, Analyze, Improve, Control) model, participants will learn how to identify inefficiencies, reduce defects, and drive sustainable process improvements within any industry.

### Objectives

- By the end of this training, participants will be able to:
- Understand Six Sigma principles, roles, and structures
  - Apply the DMAIC methodology for process improvement
  - Use statistical and analytical tools to evaluate performance
  - Identify root causes and implement effective solutions
  - Manage and contribute to improvement projects with measurable outcomes

## Why Attend

This certification is internationally recognized and adds value to professionals in operations, quality, and project management. Participants gain the capability to lead quality improvement teams and contribute to cost savings, customer satisfaction, and operational excellence.

## Target Audience

- Quality and Process Improvement Professionals
- Engineers, Project Managers, and Operations Managers
- Manufacturing, Service, and Supply Chain Professionals
- Analysts, Team Leaders, and Supervisors
- Anyone seeking to lead or support Six Sigma projects

## Individual Benefits

- Earn a globally recognized Green Belt certification
- Gain skills in data analysis, root cause identification, and project management
- Increase your confidence and credibility in driving change
- Prepare for higher-level Black Belt certification

## Organizational Benefits

- Improve process efficiency, quality, and consistency
- Reduce operational costs and waste
- Build a culture of data-driven decision-making
- Enhance customer satisfaction and competitive advantage

## Instructional Methodology

- Case-based learning using real industry examples
- Hands-on exercises with Minitab (optional) and DMAIC tools
- Interactive workshops, quizzes, and team simulations
- Guided project planning sessions

## Course Outline

### DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

#### Day 1: Six Sigma Foundations & Define Phase

- Module 1: Introduction to Six Sigma & Lean Principles (07:30 – 09:30)
- Module 2: Roles and Responsibilities: Green Belt & Team Structures (09:45 – 11:15)
- Module 3: Define Phase – VOC, SIPOC, Project Charters (11:30 – 01:00)
- Module 4: Problem Statements & Scoping Projects (02:00 – 03:30)

#### Day 2: Measure Phase - Data & Metrics

- Module 1: Process Mapping and Flowcharting (07:30 – 09:30)
- Module 2: Data Collection Plans & Sampling Methods (09:45 – 11:15)
- Module 3: Measurement Systems Analysis (Gage R&R) (11:30 – 01:00)
- Module 4: Calculating Sigma Levels & Capability Analysis (02:00 – 03:30)

#### Day 3: Analyze Phase - Root Cause Analysis

- Module 1: Basic Statistics – Mean, Median, Variance, Control Charts (07:30 – 09:30)
- Module 2: Graphical Tools – Pareto, Histograms, Boxplots (09:45 – 11:15)
- Module 3: Hypothesis Testing & Correlation (11:30 – 01:00)
- Module 4: Root Cause Tools – 5 Whys, Fishbone, FMEA (02:00 – 03:30)

#### Day 4: Improve Phase - Solution Design

- Module 1: Brainstorming, TRIZ & Benchmarking Techniques (07:30 – 09:30)
- Module 2: Selecting & Prioritizing Solutions – Pugh Matrix (09:45 – 11:15)
- Module 3: Piloting and Validating Improvements (11:30 – 01:00)
- Module 4: Lean Tools – Kaizen, 5S, Visual Management (02:00 – 03:30)

#### Day 5: Control Phase - Sustaining Results

- Module 1: Control Plans, Checklists, and SOPs (07:30 – 09:30)
- Module 2: Statistical Process Control (SPC) & Control Charts (09:45 – 11:15)
- Module 3: Project Closure and Documentation (11:30 – 01:00)
- Module 4: Final Exam, Certification Wrap-Up & Action Planning (02:00 – 03:30)

## Certification

Participants will be awarded a Certificate in Six Sigma Green Belt (SSGB) upon successful completion of assessments and participation. The course aligns with international Six Sigma Green Belt standards and supports further progression to Black Belt qualification.

## Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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