



सत्यमेव जयते

Ministry of Micro, Small and Medium Enterprises,  
Government of India



**MSME**

MICRO, SMALL & MEDIUM ENTERPRISES

सूक्ष्म, लघु एवं मध्यम उद्यम

## Six Sigma Green Belt Course



**SIGMA**

Six Sigma Green Belt

## Six Sigma Green Belt

COURSE NAME		DURATION
Six Sigma in Green Belt	4 DAY	-
<b>Minimum Qualification: Graduation</b>		
<b>DOCUMENTS REQUIRED:</b> One Photo & One photocopy of qualification certificates and Aadhar Card along with payment		

### About This Course:

Six Sigma Green Belt course is considered as a mark of quality excellence in industries. It assists candidates in advancing their career, and boosts their organization's bottom line through their knowledge and skills in quality and problem solving. A Six Sigma Green Belt candidate confirms commitment to quality and the positive impact it will have on their organization.

Six Sigma Green Belt course is a certification course wherein participants will receive an introduction on tools and methods that are essential to participate in DMAIC improvement projects. This course focuses on the basic structure of DMAIC. By taking up this certification course professionals can identify the problems and implement solutions to eradicate them.

### Six Sigma Green Belt Course Benefits:

- ❖ Career Advancement
- ❖ Helps Nurture Managerial and Leadership Ability
- ❖ Standardization
- ❖ Improve Business Processes and Sustain Quality Improvement
- ❖ Excellent Salary
- ❖ Applicability across Industries
- ❖ Ensure Compliance
- ❖ Gain Hands-On Experience in Quality Management
- ❖ Better Understanding
- ❖ Organizational Growth
- ❖ Support Your Organization Eliminate Errors
- ❖ Improved Company Culture

## Who Should Attend?

- ❖ Management Representatives
- ❖ People conducting Internal Audits
- ❖ People with functional responsibilities in Marketing, Design, Manufacturing / Service provisioning, Quality Assurance, Materials, Maintenance, HRD, Administration, Finance etc.
- ❖ Internal trainers

## COURSE DETAILS

### Define:

- ❖ Overview of Six Sigma, DMAIC, Financial Benefits of Six Sigma
- ❖ The Impact of Six Sigma to the Organization, Defining Roles and Responsibilities
- ❖ Voice of the Customer, Translating Customer Needs in to Specific Requirements (CTQs)
- ❖ Project Definition, Project Charter, Developing a Business Case, Chartering a Team, Kano model, SIPOC Diagram, Define Phase Review & Summing up

### Measure:

- ❖ Data Collection Techniques & Plan, Data Attributes (Continuous Versus Discrete)
- ❖ Measurement System Analysis, Understanding Variation, Normal Distributions
- ❖ Visually Displaying Data (Histogram, Run Chart, Pareto Chart, Scatter Diagram)
- ❖ Measuring Process Capability & Process Capability Indices, Calculating Process Sigma Level - Review

### Analyse:

- ❖ Basic Statistical Concepts, Data Segmentation and Stratification
- ❖ Value-Added Analysis, Cause and Effect Analysis (a.k.a. Fishbone, Ishikawa)
- ❖ Verification of Root Causes, Determining Opportunity (Defects and Financial) for Improvement, Analyse Phase Review
- ❖ Hypothesis Testing: t-test, f-test, Regression Analysis, ANOVA & Phase Review & Summing up

**Improve:**

- ❖ Screen Potential Causes, Discover Variable Relationship , Establish Operating tolerances, QFD
- ❖ Failure Modes and Effects Analysis (FMEA), Poka Yoke (Mistake Proofing Your New Process), Tools: Brainstorming, Bench Marking, Multi-Voting
- ❖ Piloting Your Solution, Implementation Planning, Improve Phase Review

**Control:**

- ❖ Define and Validate Measurement System on D's in Actual application, Determine Process Capability
- ❖ Implement Process Control , **Tools:** Control Charts & Process Management Charts, Review

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