



सत्यमेव जयते

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



# MSME

MICRO, SMALL & MEDIUM ENTERPRISES

सूक्ष्म, लघु एवं मध्यम उद्यम

## Six Sigma Black Belt Course



## LEAN SIX SIGMA BLACK BELT TRAINING



## Six Sigma Black Belt

COURSE NAME	DURATION	FEES
Six Sigma in Black Belt	8 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 Black 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 Black Belt candidate confirms commitment to quality and the positive impact it will have on their organization.

Six Sigma Black 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

### 1. Enterprise-wide Deployment

- a. History of Continuous Improvement
- b. Value of Foundation of Six Sigma
- c. Integration of Lean and Six Sigma
- d. Six Sigma and Lean Applications
- e. Six Sigma roles and responsibilities

### 2. Define

- a. Voice of the customer
- b. Project Charter
- c. Project Tracking
- d. SIPOC

### 3. Measure

- a. Process Characteristics
- b. Data Collection
- c. Measurement Systems
- d. Basics Statistics
- e. Probability
- f. Process Capability

### 4. Analyse

- a. Measuring and Modelling relationships between variables
- b. Regression
- c. Correlation Coefficient
- d. Hypothesis Testing
- e. Additional analysis methods

- **Lean Practices- Waste Elimination**
  - Design of experiments (DOE)
  - Waste elimination
  - Cycle-time reduction
  - Kaizen and kaizen blitz
  
- **Exposure to Software's**
  - Minitab
  - Excel
  
- **Control**
  - Statistical process control (SPC)
  - Other control tools
  - Maintain controls
  - Sustain improvements

**Address for Communication:**  
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