



# PRIMAX FOUNDATION

(Registered Under Karnataka Societies Registration Act 1960 - Reg. No. JNR-S211-2015-16)  
Bengaluru, Karnataka, India.

*Organizes*

## Certificate Program: Six Sigma Green Belt



Date : **25<sup>th</sup> to 27<sup>th</sup>**  
September 2021

**Mode of Training :**  
**Online (Zoom Cloud Meet)**

Saturday : 10.00 am to 6.00 pm  
Sunday : 10.00 am to 6.00 pm  
Monday : 5.00 pm to 9.00 pm

## About Primax Foundation

Primax Foundation was established in the year 2015 and it was registered under the Karnataka Societies Reg. Act 1960 with IT exemption 12A & 80G. Primax Foundation is a non-profit organization committed towards the quality of Research & Training programme to young generation. The primary aim is to ensure employability for the students and train them to suitably fit into all aspects of corporate requirements. The Founders and the team members have expertise in the relevant areas to understand, guide and direct its clients towards fulfilling their objectives and realize their future dreams. Primax has envisioned to provide educational & training services in the area of Skills Training & Development for Higher Education, Entrepreneurship Education, Management Consulting and Research activities. Its initiatives have been appreciated by all the Professionals for the betterment of the Youth of our Nation.



## About Six Sigma:



Six Sigma Green Belt course focuses on providing students with an understanding of the various Six Sigma tools and techniques useful to improve the production process and minimize defects in the end product with a greater focus on the practical implementation of these tool and techniques in the organization.

Six Sigma is a proven business management strategy that helps organizations operate more efficiently, by combining two ideas:

- **Lean** - a collection of techniques for reducing the time needed to provide products or services, and
- **Six Sigma** - a collection of techniques for improving the quality of products and services, substantially contributing to increased customer satisfaction.

## Key benefits for Participants:

- Helps differentiate yourself and validate your knowledge to current & future employers
- Demonstrates your commitment to professional and Organization standards.
- Increases your marketability in a competitive job market
- Promotes best practices in the field
- Become a key stakeholder in leading, and implementing six sigma projects in your organization
- Excellent analytical and problem-solving skills
- Ability to manage project teams and motivate the peers
- Excellent communication skills & Good writing and presentation skills
- Knowledge and understanding of business processes & Ability to manage budgets and company resources

## Six Sigma Green Belt Career Opportunities:

Six Sigma is regarded as a set of carefully designed management tools and techniques aimed at improving business processes by minimizing errors. It is a data-driven process-improvement program that strives to run the businesses efficiently, by identifying and removing the root causes of errors and increase the accuracy of process results. It utilizes statistical methods to detect issues and improve processes, and this is the reason why Fortune 500 companies have been looking for professionals with certification in Six Sigma Green Belt.

Few references of Six Sigma Green Belt Job oportuties are mentioned below:

## Monster Portal:

→ [monsterindia.com/srp/results?query=six%20sigma%20green%20belt&searchId=d177a59a-96de-4ccd-8007-51f21cd23df1](https://monsterindia.com/srp/results?query=six%20sigma%20green%20belt&searchId=d177a59a-96de-4ccd-8007-51f21cd23df1)

monster Find Better.™

JOB SEARCH WORK FROM HOME CAREER TIPS PREMIUM SERVICES MORE

Job affected by COVID-19  NO

Q six sigma green belt, Location Experience

Home / Job Search / Six Sigma Green Belt Jobs

**Search Results - 4890** Six Sigma Green Belt Jobs

Filter By [How is the search relevance?](#) ★★★★★ Show: 25 Per Page Sort by: Relevance

## Naukri Portal:

The screenshot shows the Naukri.com website with the search results for 'Six Sigma Green Belt' jobs. The URL is naukri.com/six-sigma-green-belt-jobs?k=six%20sigma%20green%20belt. The page features the Naukri.com logo, navigation links for JOBS, RECRUITERS, COMPANIES, TOOLS, SERVICES, and MORE. A search bar indicates 'Showing jobs for 'six sigma green belt' Modify'. Below the search bar, there are filters and a summary of results: '1 - 20 of 3030 Six Sigma Green Belt Jobs'. The results are sorted by 'Recommended'.

## Timesjobs Portal:

The screenshot shows the TimesJobs.com website with the search results for 'Six Sigma Green Belt' jobs. The URL is timesjobs.com/candidate/job-search.html?searchType=personalizedSearch&from=submit&txtKeywords=Six+Sigma+Green+Belt&. The page features the TimesJobs logo, navigation links for TimesJobs, JobBuzz, Gulf Jobs, and Career Insight. A banner asks 'Is your career affected by Covid-19?' with 'YES' and 'NO' buttons. Below the banner, there is a search bar with 'Six Sigma Green Belt' entered, and fields for 'Enter Location' and 'Experience'. A red 'FIND JOBS' button is visible. Below the search bar, there are recent searches: 'six sigma green belt', 'product management', and 'director product man.'. At the bottom, there are filters and a summary of results: '4407 Job Found'. The results are sorted by 'freshness: Last 2 Months'.

## COURSE CONTENT:

### General Overview:

- **Defining a Six Sigma Project:** You will learn to avoid common mistakes when defining your Six Sigma projects. These include making the scope too broad, considering too many Ys (outputs) for improvement. You will also learn to avoid having multiple goals and process owners across numerous departments.
- **Quality Management:** Green Belt training deals partly with implementing and improving standards. During training, you will learn how to proliferate a quality management system, with appropriate procedures. Moreover, you will learn how to use Six Sigma to identify potential improvement opportunities. You will also develop your ability to identify worthy problems to tackle, as well as how to recognize 'just do it' situations.
- **Quality Tools:** This course will teach basic quality tools and how to use them. Check sheets, Pareto charts, scatter plots, bar charts, pie charts, time series plots, histograms, and box plots, etc.



# DETAILED COURSE

## I. Introduction to Six Sigma

1. History of Quality (Deming, Juran, JIT, Ishikawa, etc.)
2. Evolution of Six Sigma
3. Defining Six Sigma – philosophy and objectives
4. Overview of Six Sigma DMAIC process

## II. Stakeholders & Setting up a Lean Six Sigma Project

1. Identifying and documenting stakeholder requirements
  - a. Identifying stakeholders and customers
  - b. Data collection and analysis
  - c. Determining critical requirements
2. Project Selection Criteria
  - a. Identifying performance metrics
  - b. Using financial criteria to evaluate project benefits
  - c. Maximizing project benefits for the organization
3. Project Planning
  - a. Creating Project Charter
  - b. Charter Negotiation
4. Managing Team Dynamics
  - a. Initiating teams
  - b. Stages of team evolution
  - c. Maslow's hierarchy of needs
  - d. Motivation Techniques
  - e. Conflict Resolution Techniques
  - f. Management / Leadership styles
  - g. Roles played by people in a project
5. Important project management & planning tools

## III. Lean Six Sigma Methodology – Define

1. Inputs – Need for Six Sigma project, Executive management sponsorship, core team Identified
2. Tools
  - a. Organization hierarchy
  - b. High level process maps
  - c. High level Pareto charts
  - d. Idea generation and categorization tools
3. Outputs
  - a. Project charter
  - b. Established metrics
  - c. Problem statement
  - d. Roles & responsibilities

## IV. Lean Six Sigma Methodology – Measure

1. Objectives of Measure Phase
2. Inputs – the outputs of the Define phase
3. Tools
  - a. Data collection tools and techniques
  - b. Measurement scales
  - c. Validation techniques
  - d. Statistical distributions
  - e. Data mining
  - f. Run charts
  - g. Process map
  - h. Stakeholder tools
  - i. Process costs

4. Outputs
  - a. Well defined processes
  - b. Baseline process capability
  - c. Process parameters
  - d. Cost of poor quality
  - e. Measurement system

## V. Lean Six Sigma Methodology – Analyze

1. Objectives of Analyze Phase
2. Inputs – outputs of the Measure phase
3. Tools
  - a. Ishikawa diagram
  - b. Failure mode and effects analysis
  - c. Hypothesis testing
  - d. Process capability study
4. Outputs
  - a. Important causes of defects
  - b. Special and common causes of variation

## VI. Lean Six Sigma Methodology – Improve

1. Objectives of Improve Phase
2. Inputs – outputs of the Analyze phase
3. Tools
  - a. Returns on investment
  - b. Solution design matrix
  - c. Design of experiment
  - d. Taguchi robustness concepts
  - e. Response surface methodology
  - f. Project planning and management tools
  - g. Prototypes
4. Outputs
  - a. Cost / benefit for different solution
  - b. Selection of solutions for implementation
  - c. Implementation plan

## VII. Lean Six Sigma Methodology – Control

1. Objectives of Control Phase
2. Inputs – outputs of the Improve phase
3. Tools
  - a. Control plan
  - b. Statistical process control
  - c. Lean enterprise
  - d. 5S
  - e. Kaizen
  - f. Kanban
  - g. Total productive maintenance
  - h. Measurement system reanalysis
4. Outputs
  - a. Implemented solutions
  - b. Revised measurement system
  - c. Control plan for sustaining benefits
  - d. Improves process capability
  - e. Lessons learned

## VIII. Case Study

- a. Case Study Part 1
- b. Case Study Part 2
- c. Case Study Part 3

## Eligibility Criteria:

PG Students/ Employees/ Faculties/ Corporates belonging to all specializations



**Duration : 16 Hours**

**Registration Fee : Cost per candidate is applicable**

Training Certificate: Training certificate will be provided along with Resource Person credentials. Validity of the certificate will be forever.

## Faculty Profile:

**Dr. Ramesh** completed his Ph.D. from Indian Institute of Technology (IIT), Dhanbad and an MBA - Full Time (Master's in Business Administration) from National Institute of Technology Karnataka (NITK), Surathkal, Karnataka and Bachelor's in Pharmaceutical Engineering from Birla Institute of Technology (BIT), Mesra, Ranchi. He has 4 Patents & 7 International publications to his credit in International Journals of repute. He also has few Global certifications to his credit which are as follows:

- **Six Sigma Green Belt** Certified from TUV, Germany
- **Six Sigma Black Belt** Certified from TUV, Germany
- Certified Scrum Product Owner (**CSPO**) from ScrumAlliance, USA
- Certified Scrum Master (**CSM**) from ScrumAlliance, USA (100%Marks)
- **Crucial Conversation**, Vital Smarts, USA
- **PAHM** (Professional, Academy for Healthcare Management), AHIP, USA
- **ITIL** Certified (Information Technology Infrastructure Library), TUV, Germany
- Certification on **Intellectual Property Rights** from WIPO, Geneva, Switzerland

**Course Co-ordinator**

**Prof. T. Rajeshwari,**

**Course Director**

Primax Foundation, Bengaluru, Mob: 8971725451

**Email to: [primaxfoundation2015@gmail.com](mailto:primaxfoundation2015@gmail.com)**

**[www.primaxfoundation.com](http://www.primaxfoundation.com)**

*"Happiness Comes from Giving Happiness"*

*All the best*