



**Discover the new world of higher Profits!**

**QC Services**

**World Class Green Belt Training**

Starting from 5<sup>th</sup> August 2018

**Certification Exam by**

**American Society for Quality (ASQ)  
Certified Six Sigma Green Belt Examination**  
To be held between October 5 - 21, 2018

[www.qcserv.com](http://www.qcserv.com)  
[sixsigma@qcserv.com](mailto:sixsigma@qcserv.com)

# Introduction

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## Six Sigma

Six Sigma is a Top Management driven formal process that uses a variety of business process improvement tools, including Statistical Tools. Variability and variations are a source of loss of productivity, customer dissatisfaction with the product / service, increased cost and delays in delivery. Six Sigma is a customer driven top management led battle against variability and variations of all types using the DMAIC (Define, Measure, Analyze, Improve, and Control) methodology. This standardized approach, if applied throughout the organization, can lead to substantial reduction of variability and variations by creating sensitivity for noticing, analyzing and reducing variability and variations to a predetermined standard for the organization (the Six Sigma scale). It inculcates the approach of economic and innovative solutions by involving all the concerned persons, with appropriate training and teamwork.

**The Six Sigma Green Belt operates under the supervision of a Six Sigma Black Belt, analyzes and solves quality problems and is involved in quality improvement projects. A Green Belt is someone with adequate work experience wants to demonstrate his or her knowledge of Six Sigma tools and processes.**

## American Society for Quality (ASQ)

ASQ is a global community of experts and the leading authority on quality in all fields, organizations, and industries.

As a professional association, ASQ advances the professional development, credentials, knowledge and information services, membership community, and advocacy on behalf of its more than 1,00,000 members worldwide.

As champion of the quality movement, ASQ members are driven by a sense of responsibility to enrich their lives, to improve their workplaces and communities, and to make the world a better place by applying quality tools, techniques, and systems.

Long-known as the American Society for Quality and established in 1946, ASQ has been the sole administrator of the Malcolm Baldrige National Quality Program Award since 1991. ASQ marks the 25th anniversary of its International Team Excellence Award at the World Conference on Quality and Improvement in 2010. ASQ's participation and influence in international standards includes its role as the administrator of the U.S. Technical Advisory Group of the ISO 26000 standard on social responsibility, to be released in 2010.

## Six Sigma Green Belt Training Details

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- **Participation :**
  - Senior and middle level executives from manufacturing, service or IT organizations from operations, Industrial engineering, Process engineering, procurement, quality assurance, design & development etc.
  - Participants can bring their live problems for discussion during the program.
  
- **Study Material:**
  - Handouts of the presentation used for training and all the material required to appear ASQ examination.
  - Participants may have to purchase additional books depending upon their knowledge and experience.
  
- **Project Guidance :**
  - **Submission of Project is not mandatory for Green Belt participants for appearing ASQ examination.**  
Our faculty will guide one process improvement project during training program. The project will be identified by participant in their organization. Participants will bring their live problems for discussion during the program.
  
- **Minitab:**
  - Minitab software will be used on 6<sup>th</sup> day of training. A laptop is compulsory for every participant for that day with Minitab version 15 / 16 /17 loaded.
  
- **Date:**

**Sunday Program:** Every Sunday, starting from 5<sup>th</sup> August 2018 for total 6 days for ASQ Green Belt examination to be conducted between October 5 - 21, 2018
  
- **Time :**
  - Sunday Program: 9.00 am to 5.30 pm
  
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- **Venue:-**Near Deccan Gymkhana, Pune
  
- **Costs :**
  - QC Services training charges are Rs.20,000/- All Inclusive
  - ASQ exam charges are US\$387 payable separately by candidates. Associate membership charges US \$99 + ASQ CSSGB exam charges US \$288 .
  - ASQ Exam charges can be paid in INR to ASQ India for details visit [www.asq.org.in](http://www.asq.org.in)

➤ **Certificate:**

- Certificate will be issued by Q C Services Pvt Ltd.

## *Contact Details*

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Please contact for further details,

### ***QC Services***

Flat No 5 & 6, Shweta Terraces,  
40/29 BhondeColony, Erandwana  
Pune 411004

Email : [sixsigma@qcserv.com](mailto:sixsigma@qcserv.com)

Website : [www.qcserv.com](http://www.qcserv.com)

Ph. No. [O] 020 – 25460598

Mobile 91 – 9822069174

# *Contents of Six Sigma Green Belt Body of Knowledge for ASQ Examination*

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## **I. Overview: Six Sigma and the Organization**

- A. Six sigma and organizational goals
- B. Lean principles in the organization
- C. Design for six sigma (DFSS) methodologies

## **II. Define Phase**

- A. Project identification
- B. Voice of the customer (VOC)
- C. Project management basics
- D. Management and planning tools
- E. Business results for projects
- F. Team dynamics and performance

## **III. Measure Phase**

- A. Process analysis and documentation
- B. Probability and statistics
- C. Statistical distributions
- D. Collecting and summarizing data
- E. Measurement system analysis (MSA)
- F. Process and performance capability

## **IV. Analyze Phase**

- A. Exploratory data analysis
- B. Hypothesis testing

## **V. Improve Phase**

- A. Design of experiments (DOE)
- B. Root cause analysis
- C. Lean Tools

## **VI. Control Phase**

- A. Statistical process control (SPC)
- B. Control plan
- C. Lean tools for process control

# About Us

## OUR PROFILE

QC Services, established in 1984, is a Premier Quality & Productivity Management consultancy organization.

We have highly qualified & experienced consultants / trainers who have vast experience in implementing various modern management techniques in manufacturing & service sector. Our consultants have worked with organizations in India and abroad.

We are leading consultants in service sector for implementation of Advance Statistical Methods for process improvement and modeling for implementing CMMI level 4 /5 version 1.2.

During last six years we have trained over 1000 Black Belts & over 300 have achieved ASQ Black Belt Certification

**We have conducted over 20 green belt training programs including companies like Tata Motors, Diebold and Hyper Quality.**

QC Services was closely involved with Mahindra & Mahindra, Farm Equipment Sector, during their implementation of Deming Award.

A proven track record of implementing

- Six Sigma
- Lean
- Statistical Process Control
- Design of Experiments – Classical & Shainin Methods
- Single minute Exchange of Dies
- Employee Involvement through Quality Circles, Kaizen
- TQM

For the details,

Please contact us at [sixsigma@qcserv.com](mailto:sixsigma@qcserv.com)

or visit us at:- [www.qcserv.com](http://www.qcserv.com)

Mobile 91 – 9822069174

## CLIENTELE

- Mahindra & Mahindra
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- Bharat Forge
- JCB India
- KCD-Kirloskar Group, Solapur
- Nihilent Technologies
- IBM – Cairo
- Hyper Quality
- Ahmednagar Forgings
- Bajaj Auto
- Dembla Valves
- Diebold, Goa
- Divgi Warner
- Force Motors
- Garware Polyesters
- Garware-Wall Ropes
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