



**Our 300+ Participants got certified from ASQ in last twenty exams!**

**Get a breakthrough in your career!**

# **QC Services**

## **World Class Six Sigma Black Belt Training**

Starting from 10<sup>th</sup> December 2017

**Certification Exam by**

**American Society for Quality (ASQ)  
Certified Six Sigma Black Belt Examination**

To be held between  
March 2 - 18, 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.

### American Society for Quality (ASQ)

#### ASQ Certification

Certification is formal recognition by ASQ that an individual has demonstrated proficiency within and a comprehension of a specified body of knowledge at a point in time. It is peer recognition and not registration or licensure. Since 1968, when the first ASQ certification exam was given, more than 1,00,000 individuals have become certified through ASQ, including many who have attained more than one designation. Although ASQ membership is not a prerequisite for certification, most of the people who hold one of these designations do belong to the Society. Certification ranks as one of the top benefits of ASQ membership.

Only about 1000 candidates have obtained ASQ Six Sigma Black Belt Certification so far in India, and they are in great demand! Over 300 of these are trained by QC Services!

### Six Sigma Black Belt training Details

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- **Eligibility : FOR ASQ Certification**
  - For ASQ exam:-Submission of affidavit from project sponsorer for having completed at least one improvement project successfully. The sponsorer may be employer or from friendly organization.
  - The improvement can be in terms of cost, defects, design, cycle time, etc.
  - Two project affidavits required for candidates having less than three years of experience.
  
- **Study Material & Project Guidance :**

- QC Services will provide all the material required for ASQ Examination. However, participants may have to purchase additional books depending upon their knowledge and experience.
- Guidance for submitting project affidavit to ASQ will be provided.

➤ **Minitab Training:-**

- One day is reserved for Minitab Software training and practice which is required for Black Belts.

➤ **Date:**

- **Sunday Program:** Every Sunday, starting from 10<sup>th</sup> December 2017 for 13 Sundays for ASQ Black Belt examination to be conducted between March 2 - 18, 2018

➤ **Time :**

- Timing: Sunday Program: 9.30 a.m. to 5.30 p.m.

➤ **Venue:-**Near Deccan Gymkhana, Pune

➤ **Costs :**

- QC Services training charges are Rs 41,300/- (Rs.35,000/- + 18% GST). This includes training, certificate, training material and lunch & refreshments.
- QC Services training charges can be paid in 3 installments of Rs. 12,100/- each, one at the time of joining the course by Cheque and 2 post dated cheques and Rs5000/- registration charges( Includes Fee Structure ). Total Rs 41,300/-.
- ASQ exam charges are US\$487 payable separately by candidates. Associate membership charges US\$99 + ASQ CSSBB exam charges US \$388.
- ASQ Exam charges can be paid in INR to ASQ India for details visit [www.asq.org.in](http://www.asq.org.in)

➤ **Requirement:**

- Participants have to bring their own laptop required only on last day for Minitab session during the program.

➤ **Exam Center :**

- ASQ Examination :This is an online exam which can be given Between March 2 - 18, 2018

➤ **Additional Information :**

- Visit [www.asq.org](http://www.asq.org) for more details. Also contact us for syllabus and registration form.

## *Contact Details*

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Please contact for further details,

### **QC Services**

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# Contents of Six Sigma Black Belt Body of Knowledge for ASQ Examination

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## **I. Enterprise-Wide Deployment**

- a. Enterprise-wide view
- b. Leadership

## **II. Organizational Process**

Management and Measures

- a. Impact on stakeholders
- b. Critical to x (CTx) requirements
- c. Benchmarking
- d. Business performance measures
- e. Financial measures

## **III. Team Management**

- a. A Team formation
- b. Team facilitation
- c. Team dynamics
- d. Time management for teams
- e. Team decision-making tools
- f. Management and planning tools
- g. Team performance evaluation and reward

## **IV. Define**

- a. Voice of the customer
- b. Project charter
- c. Project tracking

## **V. Measure**

- a. Process characteristics
- b. Data collection
- c. Measurement systems
- d. Basic statistics
- e. Probability
- f. Process capability

## **VI. Analyze**

- a. Measuring and modeling relationships between variables
- b. Hypothesis testing
- c. Failure mode and effects analysis (FMEA)
- d. Additional analysis methods

## **VII. Improve**

- a. Design of experiments (DOE)
- b. Waste elimination
- c. Cycle-time reduction
- d. Kaizen and kaizen blitz
- e. Theory of constraints (TOC)
- f. Implementation
- g. Risk analysis and mitigation

## **VIII. Control**

- a. Statistical process control (SPC)
- b. Other control tools
- c. Maintain controls
- d. Sustain improvements

## **IX. Design for Six Sigma (DFSS)**

Frameworks and Methodologies

- a. Common DFSS methodologies
- b. Design for X (DFX)
- c. Robust design and process
- d. Special design tools

# About US

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## 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 ten years we have trained over 1000 Black Belts & over 300 have achieved ASQ Black Belt Certification and over 450 have obtained certification by Six Sigma Management Institute, USA.**

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)

## CLIENTELE

- Mahindra & Mahindra
- Thermax
- Crompton Greaves
- Siemens
- Tata Motors-Pune
- 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(Bajaj Tempo)
- Garware Polyesters
- Garware-Wall Ropes
- Godrej
- Hindustan Composites
- Kalyani Lemmerz
- Keihin Fie
- Kirloskar Copeland-Karad
- Newage Electricals India
- NTCP, Delhi
- Poonawalla Group
- Reliance Energy
- Sandvik Asia
- SKF Bearings
- Sterlite Limited
- Suzlon Energy
- TATA Fiat, Pune
- Tecumseh India
- Uttam Galva Steels
- Whirlpool India
- Wyeth Limited

