



**"Smart reach to Success"**

Six Sigma - Quality Management Training & Certification



## World Class Six Sigma Black Belt Training

**Starting on Sunday 2<sup>nd</sup> May, 2010**

**Course Length:** 5 days

**Location:** Mumbai

**Timing:** 9.30 am – 6.00 pm

**Visit:** [www.trigemsolutions.com](http://www.trigemsolutions.com)

**Email:** [training@trigemsolutions.com](mailto:training@trigemsolutions.com)

TriGem Solutions™ is organizing workshops on SIX SIGMA BLACK BELT based on ASQ body of knowledge, which will be held in Mumbai from 2<sup>nd</sup> May 2010 to 30<sup>th</sup> May 2010 (on Sundays).

### **Improve Your Career Options with a Professional Certificate**

***In today's competitive business environment***, leaders are appointed based on credentials and experience. To stay ahead of the competition, advance your career and increase your earning potential, enroll in one of TriGem Solutions™ professional certificate programs. Convenient and affordable, Courses are designed to ensure you gain mastery of a particular topic, and instructors are highly qualified leaders in their professions.

### **Six Sigma Black Belt Certificate Program – Cutting-edge training - Extraordinary results**

Take your organization to the next level of productivity and profitability with TriGem Solutions™ Six Sigma Green and Black Belt Training Programs. Our programs provide organizations large and



small, from manufacturing to service industries, the tools and techniques to dramatically improve their processes and financial performance—thereby ensuring their competitive edge in the marketplace.

#### **Program Benefits:**

Your company's bottom line will benefit from your ability to:

**Execute better:** Six Sigma links strategic plans to operational improvements to create efficiencies for your business.

**Build customer loyalty:** Six Sigma helps you target your customer needs, so you can improve the things that matter most to your customers.

**Create greater returns** by lowering operating costs and delivering products and services quicker and with higher customer satisfaction through operational excellence.

#### **Six Sigma Black Belt**

Focus on the principles of Project Management of and Six-Sigma projects, and how to integrate the tools and techniques into an actual project. Project Management is an effective method for producing agreed upon deliverables within the constraints of schedule, cost and quality. Six-Sigma and are Process Improvement philosophies and methodologies. When combined, the three methodologies can produce startling results to improve processes. Structured as a series of hands-on workshops, this integrated multi certificate program builds upon the competencies acquired during the Six Sigma Green Belt program allowing you to obtain one level of certification and return for higher levels of certification as needed. The black belt level provides the tools, methodologies and experience needed to become six sigma and certified. The topics covered



involve the use of brief lectures, team-based exercises and videos. Team based exercises are used because they allow participants to acquire experience applying the tools and methodologies demanded by the market place.

### **What is Six Sigma?**

Six Sigma is a philosophy of doing business with a focus on eliminating defects through fundamental process knowledge. Six Sigma methods integrate principles of business, statistics and engineering to achieve tangible results.

Six Sigma tools are used to improve the processes and products of a company. They are applicable across every discipline including: Production, Sales, Marketing, Design, Administration and Service.

- **Six Sigma offers a wealth of tangible benefits. When skillfully applied by your people:**
- **Six Sigma reduces costs by 50% or more through a self-funded approach to improvement.**
- **Six Sigma reduces the waste chain.**
- **Six Sigma affords a better understanding of customer requirements.**
- **Six Sigma improves delivery and quality performance.**
- **Six Sigma provides critical process inputs needed to respond to changing customer requirements.**
- **Six Sigma develops robust products and processes.**
- **Six Sigma drives improvements rapidly with internal resources.**



The great thing about Six Sigma certification is that it is perfect for all businesses, whether you are a large corporation producing a product or a small business that specializes in customer service.

#### **Why should you go for Six Sigma Certification?**

Six Sigma - Certification is becoming an expectation in the business world. According to the survey conducted in Cleveland Employers started preferring Six Sigma over MBA. This discipline was developed as a systematic way to improve quality, but the reason it caught fire was its effectiveness in cutting costs and improving profitability. According to the American Society for Quality, 82 of the 100 largest companies in the U.S. have embraced it. And that's quickly trickling down: Six Sigma consultants are as busy as ever as the quality-improvement system migrates from its traditional focus on U.S. manufacturing companies to the financial-services industry and abroad. In recent years, companies as varied as DuPont (DD), Textron (TXT), Bank of America (BAC), and Sun Microsystems (SUNW) have all made Six Sigma bedrocks of their culture. Hybrid formulas have spawned, such as Lean Six Sigma and Design for Six Sigma. WCBF, an organization that organizes conferences about the process, has 14 events planned this year, up from seven last year.

#### **Who should take the Six Sigma Black Belt Training and Certification Course?**

This course is ideal for anyone who desires or is required to learn the in-depth quality, process and statistical skills needed to lead Sigma teams and projects to increase process performance leading to higher profitability, lower costs and higher customer satisfaction within hi/her organization. Also two completed projects with signed affidavits, or one completed project with



signed affidavit and three years of work experience in one or more areas of the Six Sigma Black Belt. You do NOT need to be a Certified Six Sigma Green Belt.

**Prerequisites for Six Sigma Black Belt Training and Certification course:**

Participants with minimum one year experience.

**Why TriGem Solutions™ for Six Sigma?**

TriGem Solutions™ is a premier training organization engaged in providing Six Sigma and other quality related training. We recognize your need for relevant, practical training to give you the skills, tools and techniques to return more fully equipped to contribute to your organization's success. And our experience shows this approach works, helping improve the rate of learning.

What differentiates TriGem Solutions™ from its competitor is its commitment towards customers. Most of the training organization provides Six Sigma training for about 5 to 7 days at a stretch. By the time a student completes the course and has some doubts, these organizations are out of bound. You never get an opportunity to talk one on one with the trainer again after the completion of the course period to get your doubts clarified.



Six Sigma is not an instant coffee. It takes time to develop & nurture that thought process and inquisitive approach. It is very difficult to think on those lines merely after a 5-7 day of Six Sigma training. You require continuous guidance and support to nurture that spirit. Hence our training program are spread across span of at least 1 month so that you can learn at their own speed and imbibe that thought process (every Sunday). More over for next 3 months after the completion of the course, we are there to handhold & support you. Trainers are available at all time to assist you & clear your doubts. You can contact them in person, via email or telephone.

**Six Sigma Management Institute** is pioneer six sigma training and testing organization and have made available this exam and certification.

Visit [www.ss-mi.com](http://www.ss-mi.com) and [www.mindprotesting.com](http://www.mindprotesting.com) for details.

#### **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 85,000 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.



### **Benefit of two certifications**

Both these certifications (ASQ & SS-MI) are world class qualifications, top two certifications available globally!! ASQ exam is conducted only twice a year. However, SS-MI exam is online and can be completed any time. ASQ is recognized for depth of statistical thinking. SS-MI requires statistical as well as Minitab proficiency. Thus, candidates with these two world class certifications will have an edge over other green belts. Moreover, with TriGem Solutions™ training methodology, you get eligible for these two certifications and certified by TriGem Solutions™ only at half the cost compared with any of the other international certification!!

### **Eligibility: FOR SS-MI Certification**

Graduates / Diploma of any faculty. Practical experience desirable.

### **Eligibility: FOR ASQ Certification**

For ASQ exam:-Submission of affidavit from project sponsored 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.

***Only about 500 candidates have obtained ASQ Six Sigma Green Belt Certification so far in India, and they are in great demand!***

***TriGem Solutions™ is not affiliated nor associated with ASQ or SS-MI. However, TriGem Solutions™ has professionals, certified by ASQ and SS-MI as Six Sigma Black Belts***



## Six Sigma Black Belt Program Details:

**Eligibility:** Participants with minimum one year experience.

**Duration:** 5 days

**Location:** Mumbai

**Timing:** Sunday Program: 9.30 a.m. to 6.00 p.m.

### **Study Material & Project Guidance:**

- » TriGem Solutions™ will provide 1 ASQ CSSBB handbook.
- » Handouts of the presentation used for training

### **Minitab Training:**

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

### **Costs:**

TriGem Solutions™ training charges are Rs. 25,000/- plus 10.30% Service Tax. This includes training, certificate, training material, lunch & refreshments.

### **Discounts:**

**Early Bird Discount:** Rs. 1000 Early Bird discount is provided if enrollment is done 15 days before the course start date. So, after the discount, the value of course is only Rs. 24,000 (plus 10.30% tax).

**Group Discount:** Rs. 2000 Group discount to each person is provided if enrollment is done 15 days before the course commencing date and a group size is 3+. So, after the discount, the value of course is only Rs. 23,000 (plus 10.30% tax) per person.



#### Course Content:

- Overview of Six Sigma; Aims, goals & background of Six Sigma, The metrics of Six Sigma
- Six Sigma Mobilization; Six Sigma implementation, The key roles for Six Sigma success, role and responsibilities including the Black Belt role
- Six Sigma Process; The DMAIC approach

**Define:** organizational goals, technicalities & scoring, defining & scoping business problems, understanding the customer, creating measurable project goals from ctq's, process mapping, SIPOC, cause and effect, project selection & tracking.

**Measure:** FMEA and FTA, identifying & prioritizing process performance risks, project and quality planning, action planning, basic statistics, attribute & variable data, understanding variation, common & special causes of variation, data accuracy, precision, linearity, stability, probability, probability theory & distributions, measuring process performance & control, how to calculate process capability, statistical process control (SPC), types of control charts, software training (Minitab or AAA) training

**Analyze:** Graphical analysis: assessing process performance: pareto & measles charts, histograms, scatter plots, run charts, regression, scatter plots, confident decision making, hypothesis testing, process evaluations, application for variable data, application for attribute data, 8 wastes & standardized work, work leveling & kanban, regression analysis, simple linear regression, design of experiments

**Improve:** Leading project teams, communication & change, managing team performance, creativity, facilitating team creativity, creativity & change, idea generation, idea screening/selection, managing & implementing change, improvement validation, SPC in a service setting



**Control:** Solution introduction, change management, project finance measures, improvement validation, substantiating process control, recognizing type of variation, control charts, capability analysis, visual process management, control/reaction plans, idea generation, screening, selection

#### **Our Trainers:**

##### **Profile:**

- BE in Mechanical Engineering
- INFT - Indian Nation Facilitator for TQM Quality management program for TQM facilitators in India trained by AOTS (Association for Overseas Technical Scholarship) – Japan.
- Lean Manufacturing Examiner from M/s Frost and Sullivan for AMEA (Asia manufacturing Excellence award).
- RBNQA (Ram Krishna Bajaj National Quality award) Examiner for Malcolm Baldrige business excellence model by Indian Merchant Chamber in 2007, with hand of experience of one complete assessment cycle.
- Six Sigma 'GREEN BELT' by KPMG
- Six Sigma " BLACK BELT " from ASQ and SS-MI
- Lead Auditor ISO 9001:2000 QMS
- Internal Auditor for ISO 14001:2004 and OHSAS 18001:1999 by Germinscher Lloyd
- TPM facilitator from TPM club India



Other different training and certification programs held by TriGem Solutions™ are as below:

**Courses:**

- **Six Sigma Yellow Belt Certification**
- **Six Sigma Green Belt Certification**
- **Six Sigma Black Belt Certification**
- **Total Quality Management (TQM)**
- **Problem Solving**
- **Certified Internal Quality Auditor for ISO 9001:2000 (QMS)**
- **Business Excellence Workshops**
- **Statistical Process Control (SPC)**
- **Process Capability Analysis**
- **Business Process Management Systems (BPMS)**
- **5S Workshop**
- **Seven Management tools**

Accelerate your career, skyrocket your value as an employee and distinguish yourself from millions of others. It is documented and proven that six sigma professionals save their companies tens to hundreds of thousands through their specialized knowledge. It is fact that, You can start learning right now and use real life strategies to increase your companies' efficiency and quality. You don't have to spend a year taking extra college classes; you can receive expert green belt six sigma training with TriGem Solutions

**So what you are waiting for, just go ahead and contact us....**



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