

***BLACK BELT CERTIFICATION  
PROGRAMME  
ON  
SIX SIGMA METHODOLOGY  
(Batch 9)***

**DURING DECEMBER 2011-MARCH 2012**



***Conducted by:***  
**SQC & OR Unit, Mumbai**  
**Indian Statistical Institute,**  
Room No 320, 3rd Floor Old C G O Building  
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## **BLACK BELT CERTIFICATION PROGRAMME**

### **WHY THIS PROGRAM?**

*Globalization has intensified competition, worldwide. Competitive pressure is forcing the Organizations to look for the ways and means for improving their processes so that Quality of the products and services improve, wastes reduce and customer satisfaction increases.*

*Improved Customer Satisfaction is the goal of today. It cannot just happen. The methodology of modern initiatives is at integrating all operations throughout the corporation to make them produce their outputs right first time. Everything from the receipt of enquiry, internal and external communication, information systems, and customer support and down to the level of logistics services must be done correctly to achieve operational excellence and thereby enhancing satisfaction of the customers.*

*Implementation Program covers variety of processes related to manufacturing and services including but not limited to distribution operations, warehousing and inventory management, hospitality, health care, electronics equipment manufacturing, electronics component manufacturing, boiler industry to printed circuit board industry, banking to insurance business and what not.*

*Your Organization shall benefit from this program regardless of products you make or services you offer. This initiative involves everyone in the organization from the CEO to the shop floor personnel.*

*The Indian Statistical Institute with its vast hands-on experience in these `methodologies assists organizations in integrating piece meal Quality efforts into an overall effective organization-wide initiative that becomes a powerful leverage to take competition by horn.*

### **Present Scenario:**

*Organizations have been implementing Six Sigma to improve business results. All over the world including India, organizations have claimed that Six-Sigma implementation has resulted in savings of billions of rupees within few years of implementation. And this news has made all the Chief Executives interested in implementing the Six Sigma – nothing wrong with their ambition. But everybody has not achieved success. Many of them are struggling to make progress. One of the major constraints is a qualified professional and this course aims to develop them.*

### **Course Description:**

*Black Belts are the critical cores of every Six Sigma Implementation. Black Belt experts are groomed in Six Sigma methodology and advanced statistical tools. They are the change agents and the leaders, the project managers and the problem solvers. The program on Black Belt based on Six Sigma Methodology prepares candidates to lead*

*project teams. Although the candidates do not need to be statisticians, they need to be willing to use statistical tools for Six Sigma implementation. They can come from all functions of any type of organization. After completing the training programme, participants immediately apply the concepts and tools taught during their classroom instructions to their real-time improvement projects leading to dramatic increases in both productivity and profitability of organizations.*

**Target Participants:**

*Heads of Strategic Business Units, Managers / Executives from various functions with minimum 6 month specialized training in Quality Management Areas for 6 months or certified Green Belts.*

**Venue:**

*SQC & OR Unit, Mumbai, Indian Statistical Institute, Room No 320, Old C G O Building, 101 Maharshi Karve Road ,Churchgate, Mumbai 400 020.*

**Programme schedule:**

*The program on Black Belt based on Six Sigma Methodology consists of two modules spread over four months and consists of total marks: 200 ( 2 Projects: 100 and Final Examination: 100). Each candidate should score at least 70% in each of the above. A certificate will be given after completion of the projects and examination*

**Phase 1 - December 19- 22, 2011    Phase 2 - January 23- 25, 2012**  
**Phase 3 - February 20- 23, 2012    Phase 4 -March 21 - 23, 2012**

**Faculties:** *Experienced faculties of SQC & OR Division having in-depth experience in implementing Six Sigma in Various organisations like L&T, Reliance, BHEL to name a few.*

**Course Fees: Rs.50, 000/- (Rupees Fifty Thousand only) + 10.3% Service Tax** as applicable per participant (The charges includes course material, Lunch, tea/coffee and 2 times project guidance at office). **Fees once paid will be not refunded under any circumstances**

**Registration: Registrations are done on first come first basis, Please fill up the enclosed nomination form and send it to us Latest by **December 9, 2011****

### **Indian Statistical Institute**

- *The Indian Statistical Institute is a quasi central organization under the Ministry of Statistics & Programme Implementation.*
- *It is declared by an Act of Parliament as an Institute of National Importance.*
- *Over the years the Institute has grown as a multi-disciplinary organization.*
- *It functions as a University empowered to award degrees upto Ph.D.; as a Corporation in undertaking large scale projects; as a Firm of Consultants to industries to improve Quality, Reliability and Efficiency and as a Meeting place*

### **Role & Function of SQC & OR Division**

- *The pioneer and leader in blending statistical theory with practice and institutionalizing the continuous improvement process into a sustaining system.*
- *To strengthen national economy through continual search for excellence in Quality.*
- *To disseminate the basic concepts and techniques for Quality Improvement by organizing Training programs, Workshops and In-house programs.*
- *To develop highly skilled professionals capable of self actualization.*
- *To help industries in their efforts to cope up with the growing challenge of global competition through implementation of quality system based on ISO-9000 series, ISO-14000, QS-9000 standards, Six Sigma & World Class Manufacturing.*
- *To continually develop and improve methodologies through applied research efforts to attain International Standards in services provided.*
- *To provide solutions to the problems pertaining to the entire gamut of complex Business Decision Processes with the aid of Statistics and Operations Research*

### **Challenges Undertaken**

*The Division has successfully dealt with many challenging problems in the following areas: Design and development, Production scheduling, Process development & control, Process optimization, Line balancing, Production line maintenance, Optimal utilization of raw material, Inventory planning, Reliability*

*analysis & prediction, Sales forecasting etc. covering a wide range of industrial and service sectors.*

*The Division has its share of contribution in the development and improvement of methodologies for real life problems. They include Optimal sampling and inspection procedure, Optimizations in manufacturing, Warranty cost analysis, Taguchi methods of Quality Engineering, Optimum scheme for oil exploration, Debugging procedure in software development etc.*

*At present SQC & OR Division, Indian Statistical Institute, assisting more than 20 organisations like L&T, Reliance, Ashok Leyland, BHEL, in implementing Six Sigma.*

**BLACK BELT CERTIFICATION PROGRAMME**

December 2011-March 2012

**NOMINATION FORM**

Organization :

Mailing Address :

Contact Person :

E-mail :

Phone : Fax :

Details of the participants attending the program:

1. Name :

Position :

2. Name :

Position :

3. Name :

Position

Details of DD/Cheque attached (Rs.55,150/-) per participant incl. Service tax @10.3% in favour of "Indian Statistical Institute" payable at Mumbai

Amount : \_\_\_\_\_

DD/Cheque No. : \_\_\_\_\_ Date : \_\_\_\_\_

Bank : \_\_\_\_\_ Branch : \_\_\_\_\_

Signature :

Name :

Date :

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*\*Xerox copy of this form may be used in case of more participants*

*Please e-mail the form to : [isibombay@vsnl.com](mailto:isibombay@vsnl.com)*

*or send to : Program Director*

*SQC & OR Unit, Indian Statistical Institute*

*Room No,320, 3<sup>rd</sup> Floor, Old CGO Bldg. 101, Maharshi Karve Road, Mumbai 400*

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