



Indian Statistical Institute
SQC&OR Unit, Chennai



Announces

SIX-SIGMA BLACK BELT PROGRAM

120 weekend-hours program starting 20th January 2018

at

Indian Statistical Institute,

110 (new no. 37), Nelson Manickam Road,

Aminjikarai, Chennai – 600029.

Phone No. 044 – 23740612 / 044 – 23740256 (During office hours)

Web: www.isichennai.res.in

E-mail: sixsigma@isichennai.res.in

1. Objective :

Six-Sigma methodologies are well known to have started in the mid eighties with quantification of defects in manufacturing and an attempt to reduce them to a very insignificant level. However over years the methodologies have proved to be lot more generic and eventually addressed higher customer satisfaction and superior level of profit. Six-Sigma methodologies and the philosophy behind them are capable of dramatically improving every process in an enterprise, whether financial, operational or production. In this backdrop the Indian Statistical Institute has been engaging executives from the Industry in Six-Sigma training at various levels.

The next Black Belt certification program will be spread over four months, starting on 20th January, 2018 with the final exams scheduled sometime around May 2018.

The Training Program addresses the following areas :

- Overview of Six Sigma Methodology, responsibilities and Project execution (DMAIC).
- Project Charter, Identification of CTQ/CTB. Concept of tree diagram, VoC, QFD.
- Data, Statistical Distributions, Prioritization Matrix, FMEA.
- Software packages like Excel, Minitab etc. will be used to demonstrate the statistical tools and methods being covered, but the focus of the program remains the methods rather than the use of packages to carry out the analyses.
- Measurement System Evaluation for measurable (Gauge R&R) as well as for attribute data
- Data visualization methods like Dot Plots, Box Plots, Histogram and Control Charts, Pareto, Bar Diagrams, Stratified Dot Plot, Stratified Scatter Plot, Multi-Vari Charts etc),
- Inferential statistics : Estimation and Tests of Hypothesis, ANOVA, χ^2 tests.
- Correlation and regression, Logistic regression.
- Design of experiment, fractional factorial
- Statistical Process Control.

2. Dates, Timings and Venue :

• Program dates :

January	20, 21, 27, 28
February	3, 4, 10, 11, 17, 18, 24, 25
March	3, 4, 10, 11, 17, 18, 24, 25
April	7, 8, 21, 22, 28, 29

- **Timing :** The weekend hours are specially designed for working executives to attend to their family/personal weekend needs as well as to be left with few leisure hours.

Please note the hours are :

Saturday	2 PM to 7.30 PM	Half an hour snack break at 5 PM
Sunday	9 AM to 1.15 PM	Tea break at 11 AM

- **Lunch :** We wish to keep participants informed that lunch will be made available on both days, on requisition. Hence information will be collected from participants, based on which lunch arrangement will be made to eliminate wastage.
- **Discipline :** Kindly also remember, as you register for this program, that beyond 15 minutes delay, one will not be allowed to join the class. Random entry to the lecture hall disrupts attention of the participants as well as the faculty.

We respect those who arrive in time, hence the above will be STRICTLY implemented.

- **Venue: Indian Statistical Institute**
SQC & OR Unit
110, Nelson Manickam Road,
Aminjikarai,
Chennai, 600 029.

3. Certification :

- Minimum attendance must be eighty percent (80%) of all the sessions held. Attendance sheet will be available to the participants for their signature during the first half hour of the first session (2.00pm to 2.30pm and 8.00am to 8.30am on Saturday and Sunday respectively) and for another fifteen minutes at the start of the post tea-break session.
- There will be three examination, first at the end of Measure phase, second at the end of Analyse phase and the last on the last day of the program. There will not be any supplementary examination. One needs to secure a minimum of 70% marks in each of the three examinations to obtain the certificate.
- If a participant does not perform up to the mark in the exams, but has the requisite attendance then she/he will be eligible for a "Participation Certificate" and will not be eligible for a "Completion Certificate". Those who do not satisfy either criteria of attendance and performance in the exam, will NOT BE ELIGIBLE for ANY certificate. **Mere payment of fees do not entitle a participant for a certificate.**

4. Fees for the Program:

- INR 65,000/- + GST (18%)=Rs.76,700 for an individual participant
- INR 60,000/- + GST (18%)=Rs.70,800 each for two or more participants in a group
- Participation Fee includes Lunch & Refreshments and the Course Kit for the Training Program.
- The entire amount of Fees have to be paid in advance. No other schemes are available.
- Fees may kindly be paid by Demand Draft or Cheque favoring INDIAN STATISTICAL INSTITUTE, payable at Chennai. Cash payments may also be made. In case one is interested in online payment, please contact our accounts department.
- Seats are limited. Enrolment on First-Come-First-Served basis. Payment of fees NOT LATER THAN 12th of January, 2018 Friday.

5. Application Procedure

Kindly log into our website <http://www.isichennai.res.in/> click on the link 'Program Registration Form' and fill-in the online registration form and submit. Kindly quote the Registration number received at the time of payment.

6. Who can attend

- BE / B.Tech degree holder in any discipline along with MBA/MCA degree or M.Sc/B.Sc in statistics degree holders.
- If you are certified Green belts from recognized certification bodies like ISI, ASQ etc.
- A candidate should have at least 3 years of experience in conducting/guiding improvement projects.

If you have decided to avail of this unique opportunity, please do not wait till the last date, you are advised to make payment and book your seat immediately.

7. CONTACT PERSONS

Program Director : Dr. Amit K Biswas

Program Secretaries : Mr.V.Balachandran/Mr.S.Shaji