

Six Sigma Black Belt

10 Day Program: 11th Aug -15th Aug; 18th Aug - 22th Aug'14 at Pune

*Limited seats. Participation on first come basis only by registration.



About Indian Statistical Institute



It is a unique institution, devoted to the research, teaching & application of not only statistics and allied sciences, but also the natural sciences, social sciences and their interface with the statistics. Founded by Prof. P. C. Mahalanobis, a Physicist turned Statistician; the Institute has been accorded the status of an INSTITUTE OF NATIONAL IMPORTANCE, by an Act of Parliament, 1959.

Program Objective

Six Sigma Black-belt is typically a 10 day program spread over 2 months. The participants will complete one Six Sigma project along with the training and will acquire transferable problem solving skills and competence to solve and guide many problems in the forthcoming years for the Organization. Assistance will be provided to the participants during their first Six Sigma project

Six Sigma is a fact-based data driven structured methodology that is used to create breakthrough improvements in business processes. It is used to solve organizational problems where the solution is not known. The program augments the participants existing domain knowledge and expertise with statistical thinking and application. This will help them to channelize their efforts and knowledge in the right direction and achieve groundbreaking results in their field.

Who can benefit?

Top Executive, Middle Management, Engineers, Entrepreneurs and Transactional process leaders of any discipline from any type of industry

Six Sigma can be applied effectively in any kind of product or service based industry

Certification

Six Sigma Black-belt Certificate will be issued after successful qualification in the test conducted on the last day and completing one Six Sigma project.

Till the candidate has attained all the above criteria for certification, he/ she will be awarded the certificate of participation of Six Sigma Black-belt.

Course Content

Phase	Content
Recognize & Define	Deployment of Six sigma in organization, Organization hierarchy for Six Sigma, Project Hopper, Project Charter, Voice of Customer, Critical to Quality, Tree Diagram, Pareto, SIPOC
Measure	Type of Data, Measurement System Analysis – Variable & Attribute, R&R Study, Sampling, Base level Assessment, Normality tests, Capability analysis – Cp Cpk Pp Ppk, Defect & defective, DPMO, DPO, DPU, Sigma Level
Analysis	Process Analysis – Basic Flow Chart, Activity & Deployment flow chart, Opportunity Flow Chart. Problem Analysis, Sporadic Problems, Chronic Problems, Unstable Process, Control Charts, Test of Hypothesis, Tabular Analysis, Chi – Square test, Regression Analysis, Process FMEA, Real cause identification
Improve	TRIZ, Solution Prioritization matrix, Solution Matrix, RIC1 – Chart, Before After tests, Solution Implementation, Design of Experiments - Taguchi, ANOVA
Control	Control Plan, Control Charts for Online Analysis, Mistake Proofing, Kaizen Philosophy, Overall Review, Evaluation Test

Participants will also undergo a common simulated project evolved during the course of the training.

Schedule

10 Day Program: 11th - 15th Aug; 18th – 22nd Aug'14
9:30 am to 5:00 pm

Location

3-4 Star hotel in the heart of Pune city. The venue details will be communicated to the registered participants.

Course Fee

INR 60,000/- per participant. (Plus service tax @12.36% ie., INR 7,416)

Note :

1. The above fee is also inclusive of Course Material, Breakfast, Lunch and Refreshments.
2. For registration procedure please refer to the registration form available at <http://www.sqcpune.org/training-programs/training-calendar> or email us for the same

Contact Details

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