



SIX SIGMA BLACK BELT

CERTIFICATION PROGRAM

Online Training and Certification Program

Jointly Delivered by



Indian Statistical Institute
Pune Unit



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PROGRAM OVERVIEW

Six Sigma Black Belt is a program where participants will complete one Six Sigma project after the training and acquire transferable problem-solving skills and competence to solve and guide many problems in the forthcoming years for an 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 ENROLL?

- Top Executives
- Middle Management
- Engineers
- Entrepreneurs
- Transactional process leaders of any discipline from any type of industry

EXAM AND CERTIFICATION

Six Sigma Black Belt Certificate will be issued after the participants completes a Six Sigma project and attains $\geq 70\%$ marks in the test conducted on the last day of the program.

Once the candidate has attained all the above criteria for certification, he/she will be awarded the certificate of participation.

PROGRAM CURRICULUM

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, Problem Analysis, 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

DURATION

Upto 12 Days (Customisable as per requirements)

BATCH SCHEDULE

Program Starts from 15th June 2020

COURSE FEE: INR 50,000 (+GST)

edu plus now in association with the Indian Statistical Institute (ISI), Pune will jointly deliver courses in programs

- Six Sigma Yellow Belt
- Six Sigma Black Belt
- Lean Six Sigma Supplement Program
- Six Sigma Green Belt
- Master Black Belt
- Design for Six Sigma Supplement
- Post Graduate Program in Data Science

**Certification - Awarded Jointly by
The Indian Statistical Institute, Pune and edu plus now**

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