



INDIAN STATISTICAL INSTITUTE
SQC&OR UNIT, PUNE
www.isipune.ac.in
LEAN SIX SIGMA BLACK-BELT CERTIFICATION PROGRAM
FOR 12 DAYS OF WEEK-END HYBRID SESSION

DURING: July-26: 11, 12, 18, 19, 25, 26; August-26: 1, 2, 8, 9, 15, 16



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.

Lean Six Sigma Black-belts is typically a 12-day on-line program spread over 6 weeks. The participants will complete one Six Sigma project after 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 Requirements:

Lean Six Sigma Black-belt Certificate will be issued after successful qualification with $\geq 70\%$ marks 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 Lean Six Sigma Black-belt.

Methodology:

We shall provide you with the link to the candidates for the online programme before 30 minutes on each day of the programme.

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, 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, RICl – 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

Schedule:

12 Days Program: **DURING: : July-26: 11, 12, 18, 19, 25, 26; August-26: 1, 2, 8, 9, 15, 16**

: 10 am to 4 pm

Course Fee:

INR 50,000/- per participant. (plus, Applicable GST@18% i.e., INR 9000/-) Totaling to INR 59,000/-.

Mode of Payment:

- Drawing a Cheque/DD in favour of “**Indian Statistical Institute**” payable at Pune
- For RTGS or NEFT: **Current account number 11138205207 with State Bank of India, Erandavana Branch; IFSC No. SBIN0004618.**

Contact Details:

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head@isipune.ac.in
query@isipune.ac.in

Mobile: 9371058816 / 9748478986 / 9960956118

Participants must visit us on our website home page go to the `Contact us` menu and provide your query details on the `Contact me` menu for the specific program.

Six Sigma Black Belt Training and Certification Program (Weekend Hybrid Session)

DURING: DURING: : July-26: 11, 12, 18, 19, 25, 26; August-26: 1, 2, 8, 9, 15, 16

(10 am to 4 pm)

REGISTRATION FORM

Name of the Participant (CAPITAL LETTERS):

Communication Address (Mandatory):

E-mail (mandatory) in CAPITAL LETTERS:

Mobile (with WhatsApp):

Organization Name (Optional):

Position (Optional):

Highest academic qualification:

Course Fees:

Rs.50000/- per participant +. tax @18% = **Rs. 59000/- (To be paid on-line)**

Bank Details: For Online Payments

Bank Name: STATE BANK OF INDIA

Account Name: Indian Statistical Institute

Account Type: Current

Bank Account No: **11138205207**

Branch: ERANDWANE(04618)

Bank Address: Karve Rd, Pandurang Colony, Erandwane, Pune, Maharashtra 411004

IFSC code: **SBIN0004618**

Amount Paid: _____

Date: _____

Bank: _____

Payment Ref. No. _____

Signature: _____

Name: _____

Date: _____

Please send the filled-in form to: head@isipune.ac.in

accounts@isipune.ac.in

Registration will be confirmed only on receipt of the filled-in form (attached) and course fees.

Note: Fee once paid will be fully refunded if ISI cancels the program only.