INDIAN STATISTICAL INSTITUTE
SQC & OR Unit
Street No. 8, Habsiguda, HYDERABAD

announces

Online Certification Program

on

LEAN SIX SIGMA BLACK BELT

19th April to 5thJuly 2026

Phone: 040 2715 3984   Mobile: +91 98493 23071 (Dr. S M Subhani)
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Website : www.isihyd.ac.in

OBJECTIVE

This program is designed to help professionals embark on a journey of professional growth and organizational excellence with Lean Six Sigma Black Belt certification. Designed for individuals aspiring to enhance their problem-solving skills and contribute to process improvement, this program equips them with the tools and methodologies to drive tangible results.

BENEFITS

The participants will
- Gain in-depth knowledge of Lean and Six Sigma principles, DMAIC methodology, Statistical tools, and process improvement techniques
- Comprehend the Define, Measure, Analyze, Improve, and Control phases of the Six Sigma process.
- Acquire proficiency in Statistical analysis using Minitab, learn how to interpret data for informed decision-making
- Able to drive process efficiency, develop a structured approach to problem-solving, and contribute to cost savings within the organization, making them invaluable assets to their team

TOPICS

Introduction to Lean Six Sigma and its implementation, Overview of Lean Six Sigma Project execution. DMAIC (Define-Measure-Analyze-Improve&Control) and development of Business Cases. Translating the needs of the customer into the specific requirements, Development of Project Team and Charter, Process Mapping essentials- Activity flow chart, Deployment Flowchart, identification of Value-added and Non-value-added activities, Waste Elimination, Value Stream Mapping(VSM), Organizing for potential causes using Cause and effect diagram, Verification/validation of causes, using workplace investigation(GEMBA), Project Selection Methodology, Non Value Adding Activity Elimination Methods and Lean Methodology Implementation.

Recognize & Define: Deployment of Six Sigma in organization, Organization hierarchy for Six Sigma, Project Hopper, Project Charter, Voice of Customer, Critical to Quality(CTQ), Tree Diagram, Pareto Analysis & SIPOC. Measure: Types of Data, Measurement System Analysis – Variable & Attribute data, R&R Study, Sampling, Base level Assessment, Normality tests, Capability analysis – Cp, Cpk, Pp, Ppk, Defect & Defective, DPMO, DPO, DPU & Sigma Level. Analyze: Process Analysis, Problem Analysis, Control Charts, Tests of Hypotheses, Tabular Analysis, Chi-Square test, Regression Analysis, Process FMEA and Real cause identification. Improve: TRIZ, Solution Prioritization matrix, Solution Matrix, RICI – Chart, Before-After tests, Solution Implementation, Lean Methodology, Design of Experiments – Taguchi & ANOVA. Control: Control Plan, Control Charts for Online Analysis, Mistake Proofing & Kaizen Philosophy. Overall Review followed by Evaluation Test.

The Participants shall carry desktop/laptop computers. Minitab Statistical Software will be used.

CERTIFICATION CRITERIA
Qualifying certificate by securing 70% marks in the ONLINE TEST conducted on the last day of the course. The Participants who qualify this Test and further carryout a Lean Six Sigma Black Belt Project within 6 Months will be awarded Online Lean Six Sigma Black Belt Certificate after successful presentation of the project.

TIMINGS
Online Lecture sessions and Practical sessions shall be held on Saturdays and Sundays during 19th April – 5th July 2026 (Twelve days) during 09.30 a.m. to 05.30 p.m.

The tentative dates: 19-20 Apr, 2-3 & 16-17 May, 6-7 & 20-21 June & 4-5 July 2026.

PARTICIPANTS' PROFILE

♦ Degree or Diploma holder in any discipline with basic knowledge of quality management.
♦ Certified Six Sigma Green Belts.
♦ At least six years of Experience of involvement in Quality Improvement projects is desirable.

FACULTY

Dr. S M Subhani, Indian Statistical Institute, Hyderabad

Dr. Boby John, Indian Statistical Institute, Bangalore

PARTICIPATION FEE

♦ Course Fee Rs. 35,000/- plus GST@18%) = Rs. 41,300/-
Payment Options:
  i) Online Transfer: Canara Bank, J S N Colony Branch, Habsiguda, Hyderabad.
     Name of Account holder: Indian Statistical Institute, Current A/c No : 30451010000079,
     IFSC Code : CNRB0013045
  ii) Demand Draft drawn in favour of INDIAN STATISTICAL INSTITUTE payable at
     Hyderabad.

Participants making payment through 'Online transfer' shall first verify the availability of seats, and make payment after confirmation from us.

LAST DATE

Last date for submission of Registration form: 31st March 2026 (Subject to the availability of seats). Registration is on first-come-first-served basis.
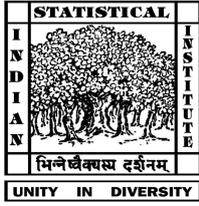
Program Director	Program Facilitator
Dr. S M Subhani	Mr. K Venkata Ramana
Mobile : 98493 23071	Mobile : 98492 95892

INDIAN STATISTICAL INSTITUTE

The INDIAN STATISTICAL INSTITUTE founded by Prof. P C Mahalanobis, FRS, is an Institution of National Importance, declared by an Act of Parliament and funded by Government of India. It is an Institute of academic excellence offering educational courses at Graduate, Post graduate and Research levels. The scientific activities of the Institute are carried out through different Divisions.

Role of SQC & OR Division

♦ *The Pioneer and Leader in blending Statistical Theory with Practice.*
♦ *To disseminate the basic concepts and techniques of Quality Improvement through Training programs, Workshops and In-house programs.*
♦ *To render consultancy services to industries in SQC, ISO 9001, ISO 14001, ISO 45001, Integrated Management Systems, IATF 16949, Six Sigma, Data Analytics and related areas.*
♦ *To provide solutions to the problems pertaining to Business Decision Processes with the aid of Statistical and Operations Research methods.*

INDIAN STATISTICAL INSTITUTE
SQC & OR Unit, Hyderabad

Online Certification Program on Lean Six Sigma Black Belt

(Saturdays & Sundays)

19th April – 5th July 2026 (Twelve days)

(The tentative dates: 19-20 Apr, 2-3 & 16-17 May, 6-7 & 20-21 June & 4-5 July 2026)

Registration Form

1. Organization (*Optional*):

2. Name of the Participant:

3. Mailing Address:

4. e-mail :

5. Gender:

6. Age:

7. Phone:

8. Qualification:

9. Nationality:

Payment Details	
Amount	**Rs. 41,300**
Transaction Number	
Bank / Branch Name	
Date	
Additional Information (if any)	

Application forms will not be accepted without payment of course fee.

Name: Date:

Send (or e-mail) completed form to:

Program Director - LSSBB,
SQC & OR Unit,
Indian Statistical Institute,
Street No. 8, Habsiguda,
Hyderabad - 500 007.

e-mail: ssgbisihyd@gmail.com &   boby@isibang.ac.in

Terms and Conditions

1. Program Dates: 19th April – 5th July 2026 (Twelve days)
2. Duration: 12 days
3. Course fee per person: **Rs. 35,000/- plus GST@18%) = Rs. 41,300/-**

4. **Online fund transfer details**

   a. Name   : **Indian Statistical Institute**

   b. Bank   : **Canara Bank**

   c. Account No.   : **30451010000079**

   d. IFSC Code   : **CNRB0013045**

   e. Type of Account   : **Current Account**

   Note: Please mention the participant name in the Remarks column while
   making the online transfer of the course fee

5. **Tax-related Information:**

   a. Taxpayer Trade Name   : Indian Statistical Institute
   b. Taxpayer Legal Name   : Indian Statistical Institute
   c. Income Tax Permanent A/c No. : AAAAI0345R
   d. Provisional GST ID No.   : 36 AAAAI0345R1ZG
   e. SAC Code   : 998393
   f. Category   : Scientific & Technical Consultancy Services

6. No refund of the course fee will be entertained after the commencement of the program.

7. Participation is confirmed after receipt of

   a. Filled in application form

   b. Course fee in full (DD or online transfer)

8. ISI, Hyderabad will provide a receipt for the payment received after the start of the course. The same is to be used as proof of payment. ISI accounting system does not entertain any other form of documentation.

9. Any participant who has applied for the program is understood to have gone through and accepted these terms and conditions.