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

announces

Online Certification Program

on

SIX SIGMA GREEN BELT

6th – 7th & 26th – 28th January 2024

Phone: 040 2715 3984
040 2717 1906

Mobile: +91 98493 23071 (Dr S M Subhani)
+91 94487 04182 (Dr Boby John)

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

Website : www.isihyd.ac.in

OBJECTIVE

This program is designed to help professionals embark on a journey of professional growth and organizational excellence with Six Sigma Green 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 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 tools such as Minitab & R and understand 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

Six Sigma Overview, Identification, Prioritization and selection of Improvement opportunities, Roles and responsibilities in Six Sigma implementation, Overview of Six Sigma Project execution DMAIC

(Define- Measure-Analyze-Improve & Control) methodology

Development of Project Team and Charter, Define and Map Processes to be improved. SIPOC (Supplier –Input – Process – Output – Customer), Types of Data, Understanding variation, Generating insights through descriptive analysis, Introduction to probability and normal distribution, Process capability analysis, Sigma Rating calculation & Project baselining

Minitab statistical software and R package will be used during the training.

Organizing for potential causes using the Cause and Effect diagram and FMEA. Graphical techniques for short-listing root causes (Scatter plot, Box plot, Interval plot, Conditional Density plot, Mosaic plot, etc.), Analytical techniques for short-listing root causes (Test of hypothesis, ANOVA, Correlation and regression, Design of Experiments), and Case studies on shortlisting root causes using graphical and analytical techniques

Generation of improvement ideas/ solutions, Evaluation, and selection of solutions, Pilot and full-scale implementation.

Process evaluation and monitoring mechanism using Control Charts for controlling processes. Institutionalization and integration of the solutions, and Project closure.

Furthermore, participants will have access to complimentary R-based applications/software created by the institute's faculty. This resource will empower them to conduct Six Sigma projects seamlessly, even in the absence of Minitab and proficiency in R coding.

Online classes will be conducted using the Microsoft Teams platform.

CERTIFICATION CRITERIA

Qualifying certificate by securing 70% marks in the ONLINE TEST conducted on the last day of the course.

TIMINGS

Online Lecture sessions and Practical sessions shall be held during 6th – 7th & 26th – 28th January 2024 during 09.30 a.m. to 05.30 p.m. Please note that on January 26th, classes will commence after the flag hoisting ceremony.

PARTICIPANTS' PROFILE

- Degree or Diploma holder in any discipline with basic knowledge of quality management.
- 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

- Rs. 14,750/- (i.e., Rs. 12,500/ - plus GST@18%)

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 only after confirmation from us. In case payment is made after the seats have been filled, then the participation fee minus bank charges will be refunded. GST amount cannot be refunded.

LAST DATE

Last date for submission of Application form: 2nd January 2024 (Subject to 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, ISO/TS 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 Six Sigma Green Belt

6th – 7th & 26th – 28th January 2024

Application 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. 14,750/-
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 - SSGB,

SQC & OR Unit,

Indian Statistical Institute,

Street No. 8, Habsiguda,

Hyderabad, Telangana – 500 007, INDIA.

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

Terms and Conditions

1. Program Dates: $6^{th} - 7^{th}$ & $26^{th} - 28^{th}$ January, 2024
2. Duration: 5 days
3. Course fee per person: Rs. 14,750/- (Rs.12,500+ 18% GST)
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 and course (SSGB) names in the Remark column while doing 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 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. An online examination will be conducted at the end of the course and successful candidates will be issued the Six Sigma Green Belt certificate .

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