INDIAN STATISTICAL INSTITUTE
SQC & OR Unit
HYDERABAD

announces

Certification Program

for

SIX SIGMA GREEN BELT

5th to 9th June 2023

Venue

SEMINAR HALL

INDIAN STATISTICAL INSTITUTE

Road No.8, Habsiguda

Hyderabad – 500 007

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SIX SIGMA

Six Sigma strategy is a proven methodology for reducing cost and improving market share. A disciplined, data-driven analytical approach for reducing process variation.

Six Sigma is a well structured approach for achieving process excellence. The strategy is being successfully implemented across the globe in all types of industries. In this approach the processes which are critical to the Business and Customer are identified through process mapping. The philosophy is to reduce the occurrence of defects in them to 3.4 DPMO/PPM using DMAIC methodology. Green Belts play a substantial supportive role in accomplishing the Six Sigma Projects.

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)

Development of Project Team and Charter, Define and Map Processes to be improved. SIPOC or COPIS (Supplier - Input – Process – Output – Customer), Activity Flow Chart. Identification of Critical-to-Customer / Critical-to-Business Characteristics (concept of tree diagram).

Types of Data, Sample Size determination for a given confidence level and Data Collection, planning including use of Prioritization Matrix and/or FMEA.

Minitab statistical software package will be used during the training. Measurement Systems Analysis (Gauge R&R) for variables as well as attribute data. Understanding variation – Special causes vs. Common causes. Seven QC tools, Evaluation of Process Capability and assessment of Sigma level.

Identification of value added and non value added activities. Organizing for potential causes using Cause and Effect diagram and FMEA. Concept of Correlation and regression and use of same in validating causes. Concept of Tests of Hypotheses like Two sample t-test, Chi-Square test, ANOVA etc and their use in validating the causes.

Concept of Industrial Experimentation, Selection and prioritization of solutions for the validated causes. Development of plan for pilot and full scale implementation.

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

CERTIFICATION CRITERIA

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

VENUE & TIMINGS

Lecture sessions and Practical sessions shall be held during 5th to 9th June 2023 at the Ground Floor Seminar Hall, at Indian Statistical Institute during 09.00 a.m. to 06.00 p.m.

FACULTY

Specialists from Hyderabad and other branches of Indian Statistical Institute

PARTICIPANTS' PROFILE

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

- ♦ Experience of involvement in Quality Improvement projects is desirable.

PARTICIPATION FEE

- ♦ Rs. 20,000/- (i.e., Rs. 23,600/ - including GST@18%)

Participation Fee includes Course kit, Lunch & Refreshments.

Payment Options:
- *i)   Demand Draft drawn in favour of INDIAN STATISTICAL INSTITUTE payable at Hyderabad.*
- *ii) 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

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 Registration form: 1st June, 2023 (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

Certification Program for

SIX SIGMA GREEN BELT

(5th to 9th June 2023)

REGISTRATION FORM

Organization :

Contact Person :

Mailing Address :

Phone : (M)   (O)   (R)

E-mail :   FAX :

Participant(s) details :

S No.	Name	Designation & Department	E-mail	Mobile
1				
2				
3				

Note : i) Course Fee per participant is Rs. 23,600/- including GST @ 18%
  ii) Typed copy of this form may be used in case of more participants.
  iii) Participants making payment through 'Online transfer' shall first verify the availability of
    seats, and make payment only after confirmation from us.
  iv) 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.

 Amount :   Online transaction reference No. :

Date: DD No. :

Bank & Branch :

Signature :   Date:

Please e-mail, post or FAX the filled in form addressed to the Program Director to our office address given above.