INDIAN STATISTICAL INSTITUTE
SQC & OR Unit
HYDERABAD

announces

Certification Program

for

SIX SIGMA GREEN BELT

10th to 14th Dec 2019

Venue

SEMINAR HALL

INDIAN STATISTICAL INSTITUTE

Road No.8, Habsiguda

Hyderabad – 500 007

Phone : 040 2715 3984
        040 2717 1906   FAX : 040 2717 3602
        040 2717 9402

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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 10th to 14th December 2019 at the Seminar Hall, at Indian Statistical Institute during 09.00 a.m. to 05.30 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. 16,000/- (i.e., Rs. 18,880/ - 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: Syndicate Bank, J S N Colony Branch, Habsiguda, Hyderabad. Name of Accountholder : Indian Statistical Institute, Current A/c No : 30451010000079, IFSC Code : SYNB0003045*

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

LAST DATE

Last date for submission of Registration form : 04 December 2019 (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, TS 16949, Six Sigma, Business Analytics and related areas.*

♦ *To provide solutions to the problems pertaining to Business Decision Processes with the aid of Statistical and Operations Research methods.*

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Certification Program for

SIX SIGMA GREEN BELT

(10th to 14th December 2019)

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.18,880/- 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.

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.