Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

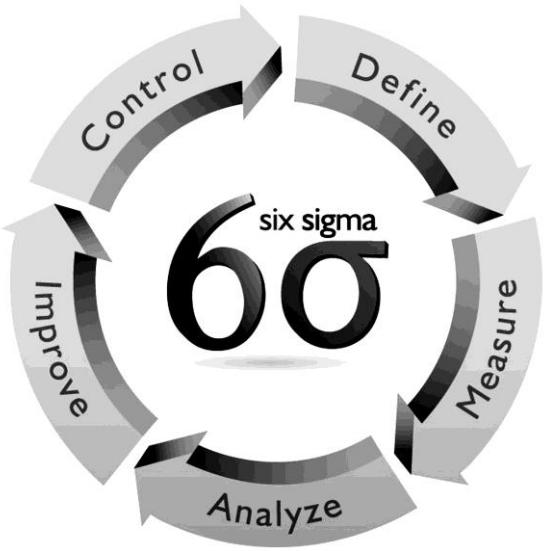
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India

Quality & Productivity Division

Certification Program for

SIX SIGMA GREEN BELT

06 – 10 November, 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Execellence

INTRODUCTION

Six Sigma is an accelerated performance improvement method and business strategy rapidly spreading throughout the world in all types of organizations. What began as a common measurement system and goal for process performance has turned into a proven means of improving quality, productivity, gaining market share and increasing profitability. The central idea behind Six Sigma is to improve the flow of the process and the variations in the process and eliminate the defects.

Six Sigma Implementation Program covers variety of processes related to production and services not only limited to manufacturing but also warehousing and inventory management in hospitality, health care, education, banking, insurance business, construction, power, communication, IT, ITES and others. Certified Six Sigma Green Belt is first level professionally competent person to implement Six Sigma Quality Improvement Program. The Green Belt program provides participants with an overview of Six Sigma and in-depth orientation on pivotal concepts & tools of Six Sigma.

Six Sigma is the most efficient and proven methodology to resolve any problems in order to improve organization and business performance. Six Sigma aims to meet and exceed customer requirements while increasing business profit and minimizing wasted resources. Six Sigma achieves these challenging objectives by deploying a structured, scientific and data-driven organizational excellence process and culture.

OBJECTIVES

- Appreciate the power of data driven methodology of Quality Improvement
- Apply the principles of the Six Sigma DMAIC road map
- Establish the 'Voice of the customer' in defining the required performance
- Use statistical tools to shorten project schedule and ensure targeted results are achieved
- Demonstrate comprehension of the tools and techniques on a project identified by the participant in their work area
- Increase customer satisfaction and profitability through Six Sigma projects

COVERAGE

The program is based on the DMAIC (Define, Measure, Analyze, Improve & Control) model of process improvement.

- Overview of Six Sigma Methodology
- Identification, Prioritization and Selection of Improvement Opportunities
- Roles and Responsibilities in Six Sigma Implementation
- Salient features of Six Sigma Project execution (DMAIC or DFSS/ DMADV)
- Development of Project Team and Charter
- Define and Map Processes to be improved
- Identification of Critical to Customer / Critical to Business Characteristics
- Types of data, sampling strategy
- Measurement system analysis
- Graphical analysis, Run chart, segmentation & stratification
- Box plot, rolled throughput yield, Pareto
- Process capability, normality study
- Evaluation of Process Capability and Assessment of Sigma Level
- Statistical and other analytical methods for identifying and understanding sources of variation
- Hypothesis testing, correlation and regression
- Process of Closing the Project
- Case Studies of Six Sigma Projects

METHODOLOGY

The Methodology adopted is aimed to increase competencies of participants through a variety of instructional methods including lectures and case studies by experienced practitioners, group discussions and debates covering current practices of attendees and their relationships to the implementation of aspects presented during the program. Emphasis would be laid on sharing of experiences and problems of the participants.

TARGET PARTICIPANTS

Managers / Engineers / Professionals from key functional areas viz: Design, Production, R & D, Quality, Material Management, Purchasing, HR, Project Management, Finance, Administration, IT, Business Excellence from Government / Public Sector and other organizations and institutions of Power , Defence, Banking, Telecom, Insurance, Construction, IT & ITES, Electronics, Automobile, Engineering, Food & Beverages, Hospitals & Health Care, Medical Services, Pharmaceuticals, Chemical, Steel, Refineries, Educational Institutions etc. and Central & State Government Technical & Administrative Services.

PROGRAMME VENUE, DATES & TIMINGS

Venue: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500 032. TELANGANA STATE, India.

Dates: **06 – 10 November, 2017**

Timings: On the first day Registration will commence at 0900 hrs. On all other days the program timings will be from 0900 - 1730hrs with breaks in between for tea and lunch.

COURSE ADVISORS

Lt Gen (Dr) VJ Sundaram, Chairman – Governing Council, ESCI
Shri S.K.Verma, Chief Mentor, ESCI

COURSE DIRECTOR

Shri D. Sheshadri, Head - Quality & Productivity Division, ESCI

LEAD FACULTY

Six Sigma Experts with rich and wide experience in Industries & Academics.

COURSE FEE

Rs.25,000/- (Residential) + (18% GST) per participant. Fee includes, course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training program.

DISCOUNTS

- **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.
- **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the program)

GST (18%) is to be paid extra over and above the training fee.

GSTIN: **36AAATT3439Q1ZV**

PAN Card No AAATT3439Q

(under Commercial Training or Coaching Services – clause 65 (105) (ZZC) of Finance Act – 1994)

Program fee is to be paid in favour of **"IE(I)-Engineering Staff College of India"** in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075.**

While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

REGISTRATION

Online registration shall be available on ESCI website.

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax number of the participants along with the details of mode of payment of course fee, addressed to:

The Head
Quality & Productivity Division
Engineering Staff College of India,
Gachi Bowli, Hyderabad – 500 032,
Phone: 040 - 23000465 / 23000466 Ext. 4108, 4109, 4110
Direct Phones : 040 – 66304133, 41010, 4109, 4118 / Fax : 040 - 23000336
E mail: qp@escihyd.org www escihyd.org

CERTIFICATE

After successful completion of the course and evaluation, ESCI will award Six Sigma Green Belt Certificate to the participants

GENERAL INFORMATION

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in at 1200 hrs.) and one day after conclusion (Check-out at 1200 hrs.) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participants.