



National Academy of Construction

(A Society under Govt. of Telangana)

Certification Program

on

Six Sigma Green Belt

01- 04, February, 2023

INTRODUCTION

Six Sigma is an accelerated performance improvement method and business strategy rapidly spreading throughout the world in all types of measurement system and goal for process performance has turned into 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, services not only limited to Manufacturing but also hospitality, health care, education sector, communication sector, IT sector, ITES, Local self. Green belt is first level Professionally competent person to implement Quality Improvement Program.

The Green Belt program provides participants with an overview 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

Participants of Six sigma Green Belt course learn to:

- ✓ 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 that 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
- Over view 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

The course will end with a test for successful completion & certification.

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, Refineries. Educational Institutions etc. and Central and State Government Technical and Administrative Services.

PROGRAM VENUE, DATES & TIMINGS

Venue: NAC Campus, Hitex Grounds, Hyderabad – 500 084

Dates: 01- 04, February, 2023 (4 Days)

Timings: On the first day, registration will commence at 09:30 hrs. On all other days, the program timings will be from 10:00

COURSE DIRECTOR

Sri. D. Sheshadri, Director, EDP Trainings, NAC

FACULTY

Apart from core internal faculty, experts from industry, consulting firms, government organizations, academic and research institutions and others will share the sessions.

COURSE FEE

Virtual: Rs.12,000/- + 18% GST per participant. Fee includes course material.

Off-line: Rs.13,500/- + 18% GST per participant. Fee includes course material, course kit, lunch, tea / coffee and snacks during the actual days of training programme.

CERTIFICATE

A certificate of participation will be awarded to each participant on conclusion of the program.

MODE OF PAYMENT

Programme fee is to be paid in favor of "Director General, National Academy of Construction (NAC), Hyderabad" in the form of demand draft / cheque payable at Hyderabad.

Alternatively, the payment may be made by Electronic Fund Transfer (EFT) to DG, National Academy Of Construction-Hyderabad - SB A/c No. 62422229281 with SBI, Madhapur- 500 081, IFSC Code SBIN0021162, GST No. 36AAAAN0794M1Z8.

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

REGISTRATION

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

Director, EDP Trainings

NAC Campus, Cyberabad,

Kothaguda Post,

Hyderabad-500084

Direct Phones: (040) 23110839,

Fax: (040) 23111997, Mobile: 9866114616.

Email: sheshadri@nac.edu.in / corporatequality@nac.edu.in

Website: [www.https://nac.edu.in](https://nac.edu.in)

Welcome to National Academy of Construction

National Academy of Construction (NAC) was established on the joint initiative of construction industry and State Government in the year 1998 as a “Society” and incorporated as “Public Charitable” institution. It is managed by a Governing board with the Hon’ble Chief-Minister as Chairman and Hon’ble Minister for Roads and Building, the Chief Secretary of Telangana State as Vice Chairman. NAC Headquarters is located in 46.46 acres of green campus in the IT Corridor in Hyderabad, Telangana. It has 2 Advanced Training Institutes at Hyderabad, Jagtial and several centres in the districts across Telangana State. NAC is a unique institution which is running a whole range of training programmes from the grass root level for the construction workers in skill formation/skill up-gradation to senior level engineers and architects in all respects of the construction technology, materials etc.

National Academy of Construction is an ISO 9001:2015 certified Institute and affiliated to Skill Council.

Accolades received

- CIDC Vishwakarma Award for the years 2016, 2018, 2019 and 2021 for Construction & Skill Development
- Golden Peacock National Training Award 2017 and 2019 for National Training
- Assocham Award 2019 in the category National Leadership Excellence Skill Development / Vocational Training.
- Assocham Award 2018, 2019 (Gold Winner) and 2022 for Best Institute -Placement.

Infrastructure

- The facilities at the NAC campus consists of Auditorium, Seminar Halls, Class Rooms, Board Rooms, NAC Residency, Parking area under the Display Centre and Canteen.
- Well-developed Information Centre and Internet facilities are available to the participants.
- NAC campus is centrally located near to Hitec City, HiTech city MMTS station & Metro station.
- NAC is located close to major Shopping-malls, Hitex and other convention & recreational centers etc