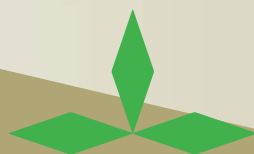


Six Sigma

Training

Business Excellence Institute

Six Sigma Education, Training and Certification



BEI

BUSINESS EXCELLENCE INSTITUTE



Six Sigma – A Breakthrough Management Strategy!

Six Sigma—A fact-based, data-driven Philosophy of Quality Improvement for sustainable business performance, improved customer satisfaction and bottom-line results by reducing variation and waste, thereby providing a distinct competitive advantage. It applies in all kinds of organizations where variation and waste exist, and every employee should be involved. Six Sigma Certification programs are intensive learning course work, based on ASQ Six Sigma Bodies of Knowledge, with parallel application of DMAIC Methodology for Improvement opportunities in the organization. To become certified, each participant should complete at least one project, shall demonstrate application of DMAIC Methodology, shall demonstrate use of MINITAB or JMP Software for Statistical Analysis, and pass an examination at the end of the course work. BEI's certifications are widely recognized in the industry. Our programs also prepare participants to appear for the relevant American Society for Quality (ASQ)'s Six Sigma Certification Examinations.

We offer two levels Sigma training and certification: Green Belt (Basic course) Black Belt (Advanced course)

Completion of Green Belt program / certification is NOT mandatory for attending the Black Belt certification Programme.

Trainers Profiles:

Mr. Srinivasarao K, M.Tech (Quality), IIT Kharagpur:

Srinivasarao is a Certified Six Sigma Master Black Belt and Assessor for Business Excellence, Certified Project Management Professional, CMMI Lead Appraiser, ISO9001 Lead Auditor with 10 years of Industry experience in Quality & Business Excellence, earlier worked with Novell Software Development, Infineon Technologies, STMicroelectronics, and INDAL.

Mr. K.N. Gopalakrishna, MBB ISI, ASQ CSSBB, Pro. Auditor:

Gopalakrishna is an MBB from ISI (Indian Statistical Institute), ASQ CSSBB (AMERICAN SOCIETY FOR QUALITY CERTIFIED SIX SIGMA BLACK BELT) and an IRCA CERTIFIED ISO-9001 PRO. AUDITOR with over 23 years of experience in HMT Watches - a high technology high precision manufacturing industry in the areas of QC & QA, Production Engineering & Technology, R & D, Concepts and design, Product Development, Product Management & Marketing, Business planning, New project planning & execution, Team management, Export marketing, Imports, Six Sigma project experience in HMT.



Six Sigma Green Belt - Certification Program

4 days learning experience based on ASQ's SSGB BOK framework

The Certified Six Sigma Green Belt operates in support of or under the supervision of a Six Sigma Black Belt, analyzes and solves quality problems and is involved in quality improvement projects. A Green Belt is someone who wants to demonstrate his or her knowledge of Six Sigma tools and processes.
Who Should Attend?

- ◆ The Program is suitable for personnel in Supervisory and Middle Management levels, Team Members, Quality, HR, Finance, Sales & Marketing, IT & Customer Support Professionals from all kinds of Organizations.
- ◆ **Graduates / Diploma holders from all educational disciplines**
- ◆ Suitable to all individuals who want increase their competency and employability with better Remuneration.

Programme Content:

I. Introduction to Six Sigma

- A. Definition
- B. History
- C. DMAIC Methodology
- D. Six Sigma Deployment, Roles and Responsibilities

II. Business Process Management

- A. Process vs. functional view
- B. Process Approach & Models
- C. SIPOC

III. Voice of the Customer

- A. Customer Identification
- B. Customer Requirements analysis
- C. Critical to Customer requirements (CTQs)
- D. QFD & Kano's model

IV. Six Sigma Improvement Methodology and Tools – Define

- A. Problem statement
- B. Project scope & Project Charter
- C. Project planning & Metrics

V. Six Sigma Improvement Methodology and Tools – Measure

- A. Process maps & process analysis
- B. CTQ flow down
- C. Cause & effect diagrams
- D. Relationship matrix, Prioritization Matrix & Affinity diagram
- E. FMEA
- F. Basic Probability & Statistics
- G. Data collection & summarization.
- H. Measurement systems
- I. Process capability Analyzing

VI. Six Sigma Improvement Methodology and Tools – Analyze

- A. Exploratory data analysis
- B. Hypothesis testing
- C. Correlation & Regression
- D. ANOVA

VII. Six Sigma Improvement Methodology and Tools – Improve

- A. Improvement Planning
- B. Introduction to Design of experiments(DOE)
- C. Piloting and implementation planning

VIII. Six Sigma Improvement Methodology and Tools – Control

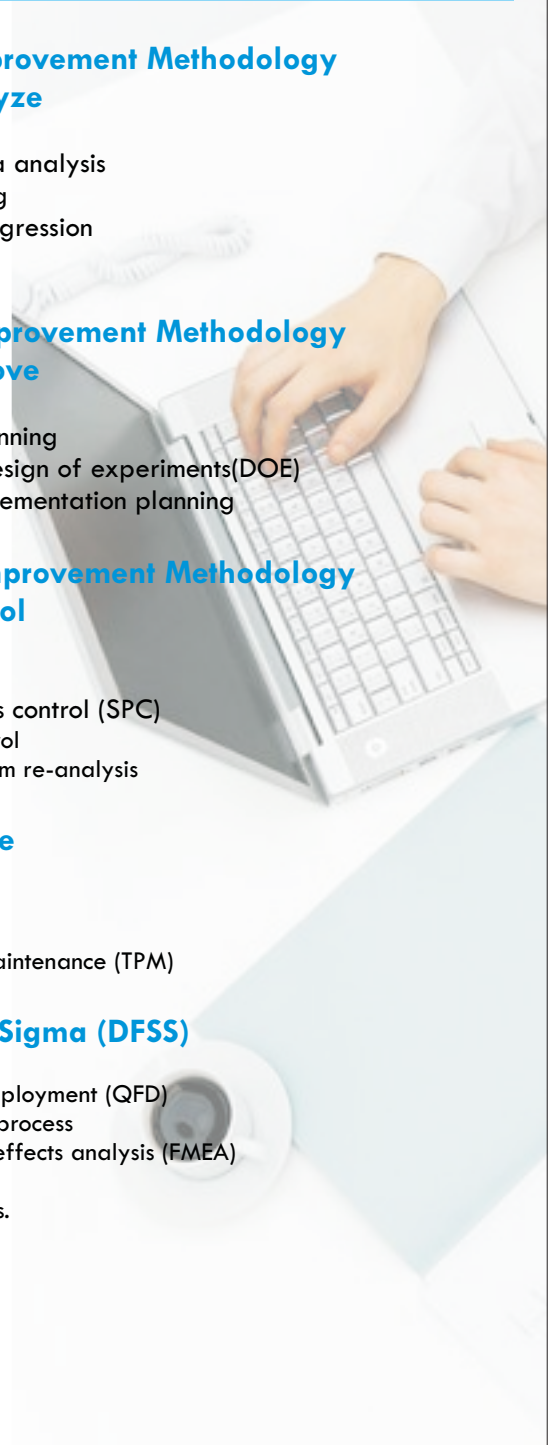
- A. Control planning
- B. Statistical process control (SPC)
- C. Lean tools for control
- D. Measurement system re-analysis

IX. Lean Enterprise

- A. Lean concepts
- B. Lean tools
- C. Total productive maintenance (TPM)

X. Design for Six Sigma (DFSS)

- A. Quality function deployment (QFD)
- B. Robust design and process
- C. Failure mode and effects analysis (FMEA)
- D. Design for X (DFX)
- E. Special design tools.



Registration Details:

- The Maximum Class Size is 20 and it is a non residential program.
- Participants are advised to bring Laptops. (Not Mandatory)
- Payment can be made by Cash/Cheque/DD in favor of "Business Excellence Institute Pvt Ltd" in advance of the program.
- Discount Group of two - 5%, Group of three and above - 10%
- Time : 9.00 a.m to 6.00 p.m

Programme Structure:

- 40 hours of comprehensive learning program with 30 % theory concepts and 70 % of hands on practice covering actual industry project cases studies.
- Certification Exam will be held on the last day of the program.
Course Fee for Six Sigma Green belt for 4 days (including Training material, Certification, Project Mentoring, lunch) will be 12,000 (Inclusive of all taxes)
- Project will be mentored.
- Free Projects are given by Partners/Group companies

ABOUT US:

Business Excellence Institute (BEI) is a leading Management Consulting organization, offering focused Business Excellence Solutions to organizations worldwide to achieve sustainable business performance results and to contribute to the delivery of Quality Products, Solutions and Services to transform the human lives every day. We offer Customized Business Consulting, Training & Certification services for Customers' advantage with Predictability, Quality and Performance. Our Business Excellence Consulting Services provide a proven path for organizations to reap the huge benefits from improved bottom line business results which otherwise goes away as unrealized potential. Our Consultants are amongst the best professionals in today's market and deliver unmatched value ingrained with current trends and innovations to create an Edge for our Customers' Businesses.



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