



INTRODUCTION

Over the last 30 years Six Sigma methodology have proven its utility to all the organizations who have learned and practiced with religious sincerity. It has given huge benefits to all the practicing organizations in terms of improved market penetration, customer delight, better business process performance, breakthrough results, and reduced cost of doing business and contributed to increasing revenues and profitability significantly. It creates an infrastructure and culture to drive improvements and sustain improvements over a long period of time. Other than contributing to financial benefits, it has also created leaders, problem solvers and achievers who have made a positive difference and added values to their organization and all stakeholders.

An excellent organization with its highly capable processes and competent people do the right things better, faster and more efficiently than its competition - Cost, Quality, Delivery, Innovation.

Six sigma can be a competitive differentiator for all those organizations who realize its value, learn and practice with total employee involvement.

Today six sigma is considered as a Management program. It is applicable to improving effectiveness and efficiency of all business processes in all types and sectors of industries and irrespective of their size, location, domain, products and services.

Effective implementation of Six Sigma can make an organization locally as well as globally competitive. It is all the more imperative today when many organizations are struggling for profitability and Government of India is prioritizing 'Make in India' for both local consumptions and exports.

Due to multiple benefits for the industry, IMTMA is launching a comprehensive **36 Hours "IMTMA Certified Six Sigma Green Belt Professional"** programme.

[Click Here for Annexure](#)

[Click Here for FAQ's](#)

Schedule:

- **Session 1: 13.30hrs to 17.30hrs on 17-18 May 2022: 8 Hours**
- **Session 2: 13.30hrs to 17.30hrs on 24-25 May 2022: 8 Hours**
- **Session 3: 13.30hrs to 17.30hrs on 31 May - 1 June 2022: 8 Hours**
- **Session 4: 14.00hrs to 17.00hrs on 7 - 8 June 2022: 6 Hours**
- **Session 5: 14.00hrs to 17.00hrs on 14-15 June 2022: 6 Hours**

FOCUS AREAS

Define Phase:

- Overview of Six sigma, Project selection, Problem statement
- Project Charter, SIPOC, Stakeholders engagement (RACI)
- Voice of Customer, KANO Model, CTQ Tree, Toll gate review.

Measure Phase:

- Data type, Prioritize Project Y, Performance standard, Understanding Defects
- Basic Statistics, Prioritization Matrix, Data Collection Plan; Check sheets, Stratification, Sampling Strategy
- Measurement System Analysis (Variable and Attribute Parameters), Inferential statistics, Graphical Analysis (Multiple Tools)
- Common and Special Causes of Variation, Process Stability and Capability, Normal distribution, Sigma level calculation (continuous and discrete data)
- MINITAB learning of MSA (Measurement System Analysis) and Graphical analysis tools, Toll gate review.

Analyze Phase:

- Process Mapping, Organizing Potential causes
- Effective Brainstorming, Cause & Effect Diagram, Cause and Effect Matrix
- 5 Why, Tree Diagram, 5W 1H
- FMEA, Cause Validation Plan and Methods, Concept and Tests of Hypothesis (Variable and Discrete data)
- Correlation and Simple Linear Regression
- MINITAB learning of all Tools, Toll gate review.

Improve Phase:

- Improvement plan for the Root causes, Creative Idea generation techniques
- Mistake proofing, Evaluation of proposed solutions
- Piloting, Before-After Analysis
- Detailed implementation plan, Risk Analysis
- Cost Benefit Analysis, Tracking and Monitoring.
- MINITAB learning, Toll gate review.

Control Phase:

- Planning for control, Control charts
- Control Mechanism based on Dependent factors
- Visual work place, Standardization, Layered Process Audit (LPA)
- Control Plan, Few Influencing strategies, CTQ Monitoring
- Project Closure with key learning, Sign off sheet
- MINITAB learning, Toll gate review.

Note : The organizations who want to deploy Six Sigma project management after training, can buy license of Statistical software MINITAB.

KEY TAKE AWAYS

IMTMA Six sigma Green Belt training cum certification program is intended to equip participants with necessary knowledge and competency in Six Sigma tools and practices which are critical to achieving short & long term process goals and achieve significantly better performances from those processes.

After undergoing the programme, the participants will be able to -

1. Understand required tools and techniques of Six Sigma Green Belt methodology including various statistical tools.
2. Apply their learning in workplace.
3. Identify right opportunities and projects, execute projects to improve Process and Operational performance.
4. Understand the causes of process variations and improve the processes to reduce the variations, improve process stability and capability for consistent desired results.
5. Improve their problem solving skills.
6. Come out of departmental silos and work effectively in a cross functional collaboration.
7. Reduce COGS and improve Customer satisfaction.
8. Become **'IMTMA Certified Six Sigma Green Belt Professional'**

FEE PER PARTICIPANT (PER LOGIN)

Rs. 27500/-

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 1100/-

Overseas Participants

PARTICIPANT PROFILE

- Engineers, Executives with minimum 2 years of Industry experience and strong process orientation. Supervisors to Senior Managers, HODs of all departments. Prior knowledge of some basic problem solving tools will be advantageous.
- Person needs to participate in an improvement project for solving problems, using Six Sigma tools.
- Person wants to lead a project and use Six Sigma tools for the same
- Person wants to improve analytical skill for process improvement
- Person aspires to be future leader and better decision maker.
- Any organization irrespective of type of products, services, domain, size, market.
- Faculty from engineering institutions
- Students from Engineering and B schools

FACULTY

This Program will be conducted by **Mr. Subrata Mitra Majumdar.**

Mr. Majumdar is a Management and Operational Excellence Consultant and a faculty of IMTMA. He is a Mechanical Engineer with Six sigma Master Black Belt, Lean Black Belt, TQM trained in Japan. He has about 33 years of regional and global experience in multiple executive roles in Business management, Profit & Loss Management, Strategy, Operations, Quality ,Safety and Environment Management, Supply Chain , New Product Development, Enterprise Operating system deployment, Operational and Business Excellence.

He has worked with both Indian and MNCs like Anand Automotive, ABB, Saint Gobain, TATA Autocomp, Kennametal and YG1. Conducted training in India as well as Overseas; Trained more than 5000 people so far in last 25 years and implemented TQM, Lean Manufacturing, Six Sigma, TPM, Operational Excellence at about 40 plants, 12 countries in Asia. Led, coached, mentored more than 2000 improvement projects that have generated financial benefits (Top and Bottom line) of more than 40 Million USD

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