

## INTRODUCTION

Continuous Value enrichment for all its stakeholders (Investors, Customers, Partners, Employees, Society ) is the only way to be locally and globally successful. An excellent organization with its highly competent process and people do the right things better, faster and more efficiently than its competition – Cost, Quality, Delivery, Innovation.

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, 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.

Today Six sigma is considered as a Management program.

Six Sigma is a universal methodology. 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. All organizations can benefit greatly by learning and practicing Six Sigma. It will optimize and improve processes to reduce defects, reduce cycle time, improve throughput, reduce cost, improve product performance, implement better processes for new products and improve total value chain performance.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing an online training program on ‘How to achieve breakthrough results through Six sigma methodology’.

## FOCUS AREAS

- Background and History
- One example of variation – how it affects us
- What is Six Sigma – different dimensions
- Benefits – Financial and Non-Financial
- Six Sigma Maturity model
- Six Sigma DMAIC Project management – Tools and activities in each of the 5 phases, Deliverables, Interpretation of some analytical output in MINITAB software.
- Use of some Graphical and Statistical analysis - Basic Statistics, Measurement System Analysis, Normality test, Box Plot, Dot plot, Pareto, Control Charts, Scatter diagram, Matrix plot, Process Capability analysis, Correlation and Regression, Tests of Hypothesis, Design of Experiments etc.
- Sigma level calculations
- Dealing with Non-normal data
- Six Sigma organization, key roles
- Identify Six Sigma project opportunities, Types of Projects.
- Some FAQ on Six Sigma.
- Few case studies in brief.
- One case study in detail.
- Critical success factors, how not to fail.

## KEY TAKE AWAYS

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

- Identify right opportunities and projects to improve Business and Operational performance.
- Understand Six Sigma maturity levels.
- Understand required tools and techniques of Six Sigma methodology including various statistical tools.
- Understand Six Sigma Project management steps, activities in different phases – Define, Measure, Analyze, Improve and Control.
- Understand how variations impact process performance.
- Understand key success factors to make Six Sigma initiative successful and sustainable.
- Understand how he / she as an individual professional and as an effective team leader, member can contribute to making the organization more competitive.

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 4000/-**

+18% GST

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

## FACULTY

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

**Subrata Mitra Majumdar**, is a Management and Operational Excellence Consultant and a faculty of IMTMA. He is a Mechanical Engineer from Bengal Engineering College, Shibpur”, Calcutta in 1986, Six sigma Master Black Belt, Lean Black Belt, TQM trained in Japan.

He has about 33 years of regional and global working experience in multiple executive roles.

He has worked with both Indian and MNCs like Anand Automotive, ABB, Saint Gobain, TATA Autocomp, Kennametal and YG1. Some of the key positions held in his career are Corporate Quality and Operational Excellence head in TATA Autocomp( Multiple BUs ), Asia Pacific Operational Excellence head ( for all functions : 20 plants and Regional offices in 12 countries in Asia Pacific ) in Kennametal, Group VP ( 4 diverse SBUs ) in Birla Precision, Global Mfg Improvement head & Managing Director in YG Cutting Tools India Operations.

Conducted training in India and outside – China, Singapore, Thailand, Malaysia, Japan, Korea, Taiwan, Australia, Israel, Germany. Trained more than 3200 people so far in last 20 years. Trained all levels of people – Top, middle, junior management and workmen. Led, coached, mentored more than 2000 improvement projects that have generated financial benefits ( Top and Bottom line ) of more than 40 Million USD. Projects led, mentored by him have won national and company global awards many times – NIQR, CII, QCI, Symbiosis Institute, Saint Gobain corporate India, Kennametal Inc.

**On Six Sigma, he has prepared training courses and conducted Six Sigma ( Green belt and Black Belt ) training since 1999 in different organizations - ABB, Saint-Gobain, TATA Autocomp, Kennametal. Conducted training in India and abroad. Trained about 700 people ( Six Sigma Green and Black belts ) so far from 36 plants / Product units / 6 countries . Trained all levels of people - Top, middle, junior management from Operations, Sales, Design, SCM, HR.**

**Led, coached, mentored about 300 Six Sigma projects that have generated financial benefits ( Top and Bottom line ) of more than 70 Crores INR.**

**Many professionals who have learnt Six Sigma from Mr Subrata are working now in senior leadership roles in global organizations like 3M, Schneider, ZF, Siemens, Trane, Kennametal, EY etc.**

**He has been a jury multiple times, in national Lean-Six Sigma competitions conducted by CII, NIQR, SCMHRD.**

### For Registration Contact

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