Manufacturing Technology Training
An IMTMA initiative

Implementing SPC, a Game Changer for Cost Reduction
Date : 6 to 7 January, 2027
Venue : IMTMA Technology Centre, Bengaluru

Last date for registration 30 December 2026

INTRODUCTION

Today, cost reduction is the No. 1 priority for any company. SPC or statistical process control is a game changing tool for cost reduction. Many companies use Statistical Process Control (SPC) charts to manage and control quality. They also provide valuable signals about why your company incurs costs-and reveal opportunities to cut costs. So SPC can help you implement many different types of cost-reduction strategies.

For doing so one needs to learn SPC techniques and apply them. Data generation, analysis and process improvement is key to delivering a lean manufacturing setup, thereby optimizing costs and maximizing profits to your organization.

SPC is used in manufacturing or production process to measure how consistently a product performs according to its design specifications. By achieving consistent quality and performance, some of the benefits manufacturers can realize are:

- Reduced scrap, rework, and warranty claims
- Maximized productivity
- Improved resource utilization
- Increased operational efficiency
- Decreased manual inspections
- Improved client satisfaction
- Reduced Costs
- Extensive Analytics and Reporting

Keeping this in view, Indian Machine Tool Manufacturers Association is organizing a training on **Implementing SPC, a Game Changer for Cost Reduction.**

FOCUS AREAS

- Hidden cost of Quality
  - Understanding of common and assignable causes
- QC Tools
  - Run chart
  - Mean & Range chart
  - Histogram
- Difference between specification limits and control limits
- Machine and process capability
- Application of control charts for variables
- Analysis and interpretation of control charts

KEY TAKE AWAYS

At the end of the program, the participants shall be able to:

- Describe the purpose and uses of SPC
- Gain a practical insight into application of SPC techniques on the shop floor in order to carry out quality
- Improvement projects in the organization
- Determine the basic type of control chart to use
- Collect data and construct basic control charts
- Interpret control chart results

PARTICIPATION FEE

Rs. 4999/-	Rs. 2500/-	Rs. 999/-	USD 200/-
+18% GST	+18% GST	+18% GST	
IMTMA Members/ Micro Companies/ Individuals/ IMTMA Non Members/ Others	**Professors**	**Student**	**Overseas Participants**

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

Participants should have basic knowledge on Statistics. It help engineers to make them understand and appreciate benefits of SPC. Many times, even experienced engineers have difficulties in understanding and implementing SPC techniques. It will benefit Quality managers, engineers, and technicians, project engineers, manufacturing engineers, technical specialists and anyone with responsibility for product or process control who want to apply SPC in the workplace should attend this programme.

FACULTY

This programme will be conducted by, IMTMA Subject Matter Expert.

He is an industry expert with over 40 years of experience in the field of quality tools like Six Sigma, SPC, MSA, Poka - Yoke, etc. He is a trained ISO 9001 and TS 16949 auditor, trained six sigma black belt as well as an FMEA moderator. He has championed a number of Quality Improvement projects at Bosch. He was associated with Bosch's campaign and pursuit for 5S, Poka Yoke, SPC, MSA & TPM initiatives.

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.