Manufacturing Technology Training
An IMTMA initiative

Implementing SPC, a Game Changer for Cost Reduction
Date : 15 April, 2026
Venue : IMTMA Technology Centre, Bengaluru

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. 2999/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 120/-
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 Program will be conducted by **Mr. B S Mohan**.

Mr B.S Mohan, an engineer by profession, was associated with Bosch for over 27 years, as part of the quality department responsible for introduction, sustenance of Quality standards and quality tools in all Bosch plants across India. Prior to that, he was responsible for engineering and manufacturing gear pumps, process planning of elements, machine planning & procurement, New project coordination and Project management for electric power tools. In his last assignment at Bosch, he was the Quality head of the Automotive Electronics Plant at Bangalore.

He has earlier worked with Tata Motors for over 6 years and was responsible for Process planning of transmission components & assembly and Process planning of dies, jigs and fixtures.

He currently provides training on various quality aspects such as VDA 6.3, Systems audits as per IATF 16949, 8D problem solving, FMEA, SPC, MSA, Basic quality tools, Tooling management, APQP, PPAP and Project management.

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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.