

## INTRODUCTION

The purpose of this course is to create awareness of importance and application of SPC. This course will help to make process reliable and capable by proper analysis of common and assignable causes. The course additionally also helps to understand the necessary and the unnecessary use of SPC in shop floor so as to get maximum benefits out of this technique

Quality can't be ensure by inspection but by the right Process and its control. Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 2 day interactive programme on **Statistical Process Control (SPC)**.

The programme will focus on various elements of SPC proven well in automotive industries which can be applied in non- automotive industries as well. The Trainer shares his rich global experience in the domain and will be more interactive so that the delegates can get back with clarity on action plan which they can implement from the next day.

Group exercises and discussions carried out during the programme, will enable the delegates to relate and discuss the current challenges they are facing.

## FOCUS AREAS

- Objective of SPC
- Understanding Accuracy and Precision
- Histogram and its interpretations
- She wart Control charts (X bar- R chart)
- Pre Control Chart
- Concept of stability, capability, common and assignable cause)
- Concept of Normal distribution
- Central Limit Theorem
- Understanding process capability (Cp, Cpk, Pp, Ppk, Z)
- Q&A

## KEY TAKE AWAYS

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

- Deep understanding of SPC
- Reducing defects because of process
- Making a manufacturing process reliable and capable

## PARTICIPATION FEE

**Rs. 10450/-**

+18% GST

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

**USD 415/-**

**Overseas Participants**

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

## PARTICIPANT PROFILE

Individuals from the area of manufacturing, operations, quality, field quality and product/ process engineering.

Relevant companies:

- Auto OEMs (SIAM)
- Auto ancillaries (ACMA)
- Die casting units (ALUCAST) Pump manufacturers (IPMA) Aerospace manufacturers (SIATI)
- Defence & Railway Establishment (PSUs / OFBs) General Engineering (IEEMA / AIEMA)
- Other Capital goods manufacturing industries (ICEMA / AMMA-India / PPMAL)

## FACULTY

This Programme will be conducted by **Mr. Pankaj Aggarwal**,

**Mr. Pankaj Aggarwal** is a mechanical engineer and has over 34 years of total experience. His exceptional work & contribution was recognised by industries and he was awarded as one of the "Most Talented Training & Development Leaders" by World HRD Congress and CHRO Asia in year 2017.

He is an acclaimed professional corporate trainer, consultant, advisor, motivator, creative thinker and life coach. Before coming into this field he has worked for Eicher Tractors for 10 long years & for Motherson Sumi System Limited for around 3 years. For some time, he was also on the panel of CII Confederation of Indian Industries (CII).

He has trained, advised and counselled 5000+ professionals, students and people in general. His extensive experience in handling and grooming diversified audiences such as children, students, families, workers, workers union, junior, middle, senior and executive / leadership level professional lends a very practical orientation to his session. He believes in a practical approach with focus on fundamental building.

He is a versatile trainer who has conducted soft skill programs such as Leadership, IPR, Team Building, Train the Trainer, Creativity, Campus to Corporate etc and also the technical programs such as ISO 9001, lean manufacturing, Kaizen, 5-S, Quality Circle, War on waste, Value Engineering, SPC, MSA, FMEA, Systematic Problem Solving, DOE (Shanin Techniques), TRIZ etc. He is the author of the book, 'Structured Problem Solving'.

He has facilitated culture building, change management, resolution management-workmen conflicts, productivity, quality & service improvements, quality system developments, waste reduction and employee moral boosting in different organizations.

### For Registration Contact

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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.