QUALITY CIRCLE FORUM OF INDIA
CHENNAI CHAPTER



One Day Training on Sensitizing Statistical Process Control (SPC)

Friday, 04.12.2026

Venue: Hotel Chennai Le Palace
Porur, Chennai - 600 116.

In continuation to celebrating Quality Month during Nov'2026, let us strengthen Zero defect Quality at our GEMBA. QCFI, Chennai chapter provide one day training at Chennai on Sensitizing Statistical Process Control (SPC) in achieve Zero defects and COPQ reduction

TRAINING OBJECTIVES

- Understand the fundamental concepts of SPC, Stability, Capability , process variation and statistical thinking.
- Learn to select and construct appropriate control charts for variable and attribute data.
- Differentiate between common-cause and special-cause variation.
- Understand and interpret control charts for monitoring process performance.
- Understand Sigma value of a process, process capability indices such as Cp, Cpk, Pp, and Ppk.
- Understand the underlying distributions and Central limit theorem.

TRAINING METHODOLOGY

- The one day class room training will follow a structured, interactive, and practical approach to ensure participants can apply SPC concepts in their work environment.
- Practical demonstrations of Control charts, Histograms, Pareto charts and process capability calculations.
- Participants will analyze sample datasets, prepare control charts, interpret results, and calculate process capability indices using Minitab statistical software.
- Case Studies and Group Activities
- Training Deliverables
- Select suitable control charts based on process data and sampling methods.
- Recognize and investigate special causes of variation.
- Assess process stability before interpreting process capability.
- Predict and estimate the process with Sigma value.
- Certificate of completion

TARGET AUDIENCE

Supervisors, Engineers / Managers from Quality, Manufacturing, Industrial Engineering, Process Excellece and Continuous improvement team .

PROGRAMME FEE & SPECIAL DISCOUNTS

FEE: ₹3000 +18% GST PER PARTICIPANT

FACULTY PROFILE



Dr. D. Ravindran Devarajan
BE, MBA

- 3 decades of industrial experience at Tier 1 automotive and Multinational OEM's on heading Quality assurance, Industrial Engineering, Deployment of Six Sigma, Lean Manufacturing and TQM.
- Master Black Belt in Six Sigma from ISI, Bangaluru, Certified Lean Practitioner from Siemens, Trained at AOTS, Japan on TQM and Leadership training by MILT.
- Provided 400+ hours of training on Six Sigma, TQM, Lean Manufacturing and IATF Core tools.

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