



## Training on Seven QC Tools

**Course Duration: One Day**

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## INTRODUCTION

Seven QC tools are fundamental instruments to improve the quality of the product. They are used to analyze the production process, identify the major problems, control fluctuations of product quality, and provide solutions to avoid future defects. Statistical literacy is necessary to effectively use the seven QC tools. These tools use statistical techniques and knowledge to accumulate data and analyze them.

## OBJECTIVES

**To create awareness on the use of 7 QC Tools to capture, compile, analyze & interpret the data collected from various sources.**

The essential objective of this course is to provide delegates with the knowledge & skills in order to enable them to capture, compile, analyze & interpret the data collected through various sources. Upon completion of this course, the delegates shall utilize the knowledge gained for effective utilization of 7 QC tools.

## COURSE CONTENT

7QC tools normally include:

- **Check Sheet** is used to easily collect data. Decision-making and actions are taken from the data.
- **Pareto Chart** is used to define problems, to set their priority, to illustrate the problems detected, and determine their frequency in the process.
- **Cause-and-Effect Diagram** (Fishbone Diagram) is used to figure out any possible causes of a problem. After the major causes are known, we can solve the problem accurately.
- **Histogram** shows a bar chart of accumulated data and provides the easiest way to evaluate the distribution of data.
- **Scatter Diagram** is a graphical tool that plots many data points and shows a pattern of correlation between two variables.
- **Flow Chart** shows the process step by step and can sometimes identify an unnecessary procedure.
- **Control Chart** provides control limits which are generally three standard deviations above and below average, whether or not our process is in control.

## CERTIFICATE

**Participants qualifying written examination shall be awarded certificate of successful completion of the course.**

## WHO SHOULD ATTEND

• Technical Managers • Quality Engineering Team • Quality Managers • Laboratory Personnel • Production Managers • Quality Management Consultant • Engineers • Quality Control Executives • Metrology/Standard room personnel • S.Q.C/ SPC Team

Students from Engineering, Management, and Science Streams.

## About us

Shreyas Quality Management System is a Consultancy Development Centre(CDC), Govt. of India Accredited, and IMS(ISO9001QMS,14001EMS & OHSAS18001)certified Training & Consultancy Organization focused on organizational performance improvement through the globally accepted tools such as ISO 9001, ISO14001 EMS, ISO5001EnMS,TS16949,NABL ISO 17025,ISO15189,ISO27001 ISMS,OHSAS 18001, SIX SIGMA, 5 S/Kaizen, TQM, quality costs, design of experiments(DOE) etc. It has helped manyorganizations both from manufacturing and service sectors to analyze and improve their performance through well-established systems. It has team members possessing a wide spectrum of professional qualifications, experience and expertise which could effectively and efficiently address improvement issues which are of importance to your business / organization. It has provided consultancy to more than 200 organizations both from manufacturing and service organizations for quality improvement.

## Organised by-

### SHREYAS QUALITY MANAGEMENT SYSTEM (SQMS)

(Consultancy Development Centre, Govt. of India Accredited, and IMS certified Training & Consultancy Organization)

## Training & Consultancy for-

- Six Sigma, TQM - Quality Award, Quality Cost, TPM, SQC
  - ISO 9001QMS; ISO 14001 EMS, QS 9000, OHSAS 18001, ISO 27001 ISMS, ISO 5001 EnMS
  - ISO 17025/15189 (NABL Accreditation), NABH, HACCP, SEI-CMM,
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