



A 3 DAY WORKSHOP ON CONTROL CHARTS

QC Services

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Introduction

Control chart is a basic tool for controlling and continuously improving Quality of operations and processes.

Control charts rely on the statistical analysis. Thus, a thorough understanding of statistical concepts is essential for proper application of control charts.

In this program, statistical concepts and application of these concepts to control charts will be covered in a simple, easy to understand methodology. This will help participants to develop sound foundation for designing and applying appropriate control charts.

CONTENTS:-

1. Statistical Analysis, samples & sampling, Statistical parameters.
2. Probability & probability distributions
Binomial & Poisson distribution.
Normal probability distribution,
3. Sampling distribution & statistical tests.
Confidence intervals & hypothesis tests.
't' distribution, chi square and F distribution. ANOVA
4. Design & application of control charts. $\bar{X} - R$ charts
5. Other control charts, $\bar{X} - MR$, precontrol, $\bar{X} - S$, etc.
6. Attribute control charts.
7. Improvement techniques, Run charts, multivari chart, paired comparison, Bv/sC
8. Case studies

PARTICIPATION:-

Managers and engineers from Inspection and Quality Control Manufacturing, process design & engineering, product design and engineering etc.