

B31

Introduction to Statistical Techniques



Description

This course will help a quality person to have a first-hand understanding of how processes are monitored, data collected regarding the performance of the process. They shall learn how to analyse and present data and understand the variation and performance of the process.

Duration

3 Days

Course content

- ◆ Hidden Rework loops (Hidden Factories)
- ◆ Quality Measurements
- ◆ Yield & 1st time yield
- ◆ Cost of quality
- ◆ Quality performance management
- ◆ Process measuring & mentoring
- ◆ Introduction to data
 - ◆ - Types of data
 - ◆ - Data sources
 - ◆ - Data collection
- ◆ Presenting data
 - ◆ - Histogram
 - ◆ - Plot Histogram
 - ◆ - Min, Max & Range
 - ◆ -Avg, mode & median
 - ◆ - Std Deviation
 - ◆ - Pie Charts
 - ◆ - Run Charts
 - ◆ - Pareto Diagrams
 - ◆ - Scatter diagrams
- ◆ Other Statistical techniques

Benefits from attending the course

- ◆ Each learner will be able to do the following:
- ◆ What is a process, and how to measure a process
- ◆ Process indicators
- ◆ Understand how to measure the process and collect data, and analyse and display data