



Statistical Software Using Minitab

COURSE DESCRIPTION

The course introduces participants to the concept of variation and shows how to apply this concept for continuous improvement.

This course offers applications of the SPC techniques that are an integral part of the corporate-wide quality control reproducibility and repeatability.

Participant will have Experienced using Minitab to analyze experimental and survey data using a range of standard statistical techniques.

Participants will gain sufficient confidence to be able to use Minitab in their work in making decis

COURSE OUTLINE

- Minitab's window Introduction
- What is Minitab and how to navigate round the software
- Data types, entry and manipulation
- Data importing and exporting
- Basic graphical techniques – histograms, box plots, dot plots, time series plots – Minitab graphics
- Minitab Report Manager
- Descriptive statistics
- Graphical Summary
- Pareto analysis and Fishbone diagrams
- Measurement systems analysis with Minitab(Gage Study /Gage Run Chart/ Gage Linearity and Bias Study)
- Confidence intervals with Minitab
- Process capability with Minitab
- Distribution identification
- Control Charts
- Data types - tools you can use
- Hypothesis tests with Minitab
- ANOVA with Minitab
- Correlation and regression with Minitab
- Regression analysis
- Binary / Ordinal / Nominal Logistic Regression
- Multiple Regression
- Multi-variation analysis with Minitab
- DOE with Minitab
- Factorial designs
- Define Custom Factorial Design
- Factorial Plots
- Multivariate
- Time series
- Exploratory data analysis (EDA)
- Response Optimization

Who Should Attend

- Quality professionals and Six Sigma practitioners
- Engineers, technicians, laboratory, R&D, scientific and Inspection staff
- Quality control Team
- Personnel who use process improvement techniques in their work

COURSE DURATION: 3 Days

TRAINING HOURS: 15 hrs

MINIMUM NO. OF TRAINEES: 15

LANGUAGE : English

