



## Statistical Process Control (SPC) Training using Minitab

### 2 Days

#### Training Description:

Statistical Process Control (SPC) training class will teach Process Capability (Cpk, Ppk) and Control Charts. Process Capability will determine how well your process is running and will predict the number of defects-is your process capable or incapable based on the customer's specifications. Control charts will be taught to reduce defects and determine if your process is in control or out of control. The eight rules for out-of-control processes will be taught. Minitab Statistical Software will be used in class to calculate Process Capability and create Control charts.

#### Training Objective:

This 2-day SPC training class will teach students how to determine how well your process is running (Cpk, Ppk) and teach the student on how to use control charts to reduce the number of defects. The student will use Minitab Statistical Software to determine Process Capability and create Control Charts.

#### Skill Attainment:

Statistical Process Control (SPC) Training - Participants will learn how to calculate Process Capability (Cpk, Ppk) and create Control Charts (Variable and Attribute Charts). The following topics will be taught during this training:

- Introduction to SPC Introduction to Control Charts
- Using Minitab to Calculate UCL and LCL
- Difference between (USL and LSL ) and (UCL and LCL)
- Creating Control Charts (Variable and Attribute) using Minitab Statistical Software
- Key Statistics for SPC Training
- Introduction to Process Capability (Cpk, Ppk)
- Normal Distribution and Non-Normal Distribution
- Using Minitab Software to calculate Cpk, Ppk
- Determine if a Process is Capable or not Capable
- Students will have access to Minitab software for 30 days