



Statistical Process Control & Management

... for Technicians, Engineers, Managers & Continuous Improvement Practitioners

Throughout the instructional process, candidates discover how to apply Statistical Process Control and Management concepts in a scientific manner for solving critical manufacturing, engineering, service, administrative, and business process problems. The focus is on the in-depth understanding and application of Statistical Process Control and Process Management systems analysis.

Course Curriculum:

To satisfy customers and remain competitive requires processes that are stable and predictable. If a process is unstable, future predictions cannot be made with confidence hence costs are unpredictable and the organization suffers financially. Using Statistical Process Control (SPC) provides the means for the scientific control of product or service quality.

This seminar shows the participants how variable and attribute control charts may be applied to those process input and output variables that affect product or service quality. Learn how to design and implement sustainable feedback methods and implement a process management system that directs quality improvement in products or services.

This important course will enable you to walk away with an in-depth understanding of:

- ▲ Central Limit Theorem
- ▲ Common and Special Cause Variation
- ▲ Process Capability and Performance
- ▲ Normal, Binominal, and Poisson Distributions
- ▲ Variables Control Charts: Xbar&R plus IMR
- ▲ Attribute Control Charts: np, p, c, u
- ▲ Process Management

Highlights and Outcomes:

- ▲ Perform Hypothesis testing using variable, attribute or nonparametric data.
- ▲ Identify sources of variation & explain the cause and effect relationship.
- ▲ Interpret findings and suggest areas for improvement in the process.

Course Materials:

All materials are easy to follow, user friendly, and have been knowledgably prepared to communicate a complete understanding of the techniques and analysis employed. These materials will be a valuable reference in your future endeavors.

Participant's shall receive a Certificate of Completion.

Registration:

If you wish to attend this Six Sigma course you may register online at www.tkmg.org/ContactUs. Please fill out the Contact Us form with your specific request and we will contact you to discuss payment options and confirm your registration.

Program Specifications:

- ▲ **Audience** - Technicians, Engineers, Managers, & Continuous Improvement Practitioners
- ▲ **Length** - 3 Days
- ▲ **Delivery Process** - Classroom / Lecture with class participation
- ▲ **Materials** - Participant workbooks w/ examples & class exercises
- ▲ **Instructional Leader** - Knowledge Management Group Practitioner
- ▲ **Class Size** - 7 to 14 participants

About Us:

The Knowledge Management Group is an established & proven service organization that is an authority in the application of statistical methods and Six Sigma to improve business performance.

Contact Us:

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