

## Seminar Objective:

This 2-day seminar is designed to provide participants with an understanding of the importance of the SPC in controlling and improving the production process and to give participants a practical knowledge of using statistical method in analyzing the measurement system.

- ▶ To present a hand on approach to learning the principals and practice of MSA, SPC Analysis.
- ▶ Understand and uses and benefits of control Charts and be able to construct and interpret them.
- ▶ Understand the role that SPC plays in the overall Control Strategy for a process and company.

## Prerequisite Skills

Fundamental knowledge of computational mathematics is necessary to understand the topics discussed. Please bring a **Calculator** during training session.

## Who Should Attend?

Individuals who have direct responsibility for defining and developing an organization measuring and analytical practices using data Collection, Charts and statistical tool appropriate for its products, process and Business Goals & Objectives. We will look for suitable statistical tools to identify the same source of variation in our manufacturing of services and to control that variation.

## Seminar Outline

- 1.1. The road to continuous improvement.

- 1.2. Some simple statistics.
- 1.3. Variation.
- 1.4. The simple mean
- 1.5. The basic simple she wart control chart.
- 1.6. X Bar R Bar control charts for variable data.
- 1.7. Attribute control chart.
- 1.8. Interpreting control charts.
- 1.9. Process capability.
- 1.10. Calculating Cp
- 1.11. Calculating Cpk.
- 1.12. Measurement System Analysis
- 1.13. Sampling procedures

#### Mode of Workshop:

- ✓ Trainer Led Instructions
- ✓ PPT
- ✓ Activity etc.