

## INTRODUCTION TO QUALITY TECHNIQUES

This course looks into the basic introduction to quality control and assurance by looking at introduction of Statistics, Inspection, Testing, Metrology, and Technical aspects within an Industry.

### COURSE CONTENT:

- **Quality concepts and tools**
  - a. Defining Quality Control,
  - b. Defining Quality Assurance
  - c. What is Quality Management?
  - d. Quality concepts
  - e. Quality control tools
  - f. Flow charting, check sheets
  - g. Diagrams and charts
  - h. Statistical techniques
  - i. Specifications and Quality,
  - j. Seriousness classification
  - k. Corrective action
  - l. Measurement fundamentals
  - m. Instruments tools ie. slip gauges, mechanical indicators, micrometers, reading verniers,
- **Metrology**
  - a. Measurement tools
  - b. Measurement equipment
  - c. Calibration
- **Inspection and testing**
  - a. Language of measurement, definitions
  - b. Geometric dimensioning
  - c. Inspection planning
  - d. Sampling
  - e. Inspection techniques/process
  - f. Basic Inspection

### Course Outcome:

Benefits from attending this course

Learners will be able to:

1. Understand the basics of quality control
2. Understand how Quality Assurance differs from Quality Control
3. Understand the basics of a quality system
4. Analyze and solve quality problems
5. Be able to prepare inspection plans and instructions
6. Be able to select sampling plans and Prepare procedures
7. Be able to apply fundamental statistical methods for process and service control

**Duration: 3 DAY**

**Price: Contact us for specials ( R 3500-00 pp)**

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