# *Evaluation of Measurement Uncertainty (Electro-Mechanical Parameters)*

**Objectives**

- Understand Measurement Uncertainty Terminology
- Understand the requirements of ISO/IEC 17025:2017 w.r.t. Measurement Uncertainty. Accreditation Bodies, Regional Body's and ILAC policy on reporting Measurement Uncertainty by test and calibration laboratories.
- Understand the methodology of evaluation and expression of Measurement Uncertainty.
- Evaluate & Express Measurement Uncertainty using live examples from Laboratories.

**Duration**

Three days (3 Days)

**Eligibility Criteria**

To get better understanding of Measurement Uncertainty evaluation and reporting, the participants are desired to:

- have working experience of Test/Calibration Laboratory
- have Knowledge of relevant clauses ISO/IEC17025 w.r.t. Measurement Uncertainty

**Course Contents**

- Based upon ISO Guide 98-3
- Terminology used in Uncertainty Calculations
- The basic process from specification of the measurement model through to evaluation of the final figure of measurement uncertainty
- Practical approach to calculation of measurement uncertainty
- Reporting Methodology : ILAC, APLAC and Accreditation Body's Policy on evaluation and reporting of Measurement Uncertainty

**Methodology**

Training course deploys accelerated learning techniques through:

- Class Room Interactions
- Individual / Group Exercises
- Practical Exercises in Laboratory environment.

**Benefits**

On completion of the course the participants will be able to:

- Understand the terminology required for evaluating uncertainty in measurements.
- Evaluate and report measurement uncertainty.

**Course Certification**

**"Certificate of Participation"** is issued to all delegates who complete the course.