



## Estimation of Uncertainty in Non-electrical Measurements

### **Objective**

To provide the requisite knowledge & skill on estimation of uncertainty for various parameters in non-electrical measurements. The course is practice oriented with ratio of theory to practice instruction hours of 60 : 40.

**Duration** : 2 days

### **Target Participants**

Engineers / Supervisors / Technicians engaged in testing/measurement/calibration of non-electrical parameters.

### **Topical Overview**

- Fundamentals of Calibration & Units
- of Measurement
- Concept of Traceability & Traceability Chart
- Estimation of uncertainty
- Sources of Error in Temperature Measurements
- Type A & B Sources of Error in Vernier Calipers & Micrometer Measurements
- Practical Demonstration on Estimation of Uncertainty in Non-electrical Measurements