

## **INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI**

### **WORKSHOP ON CALIBRATION OF ELECTRICAL & ELECTRONICS MEASURING INSTRUMENT**

<b>DURATION</b>	Two Days
<b>TIMINGS</b>	10.00 a.m. to 5.30 p.m. daily
<b>VENUE</b>	IDEMI, Mumbai
<b>FEE/PARTICIPANT</b>	Rs. 7,000/- + <b>(GST as applicable)</b>
<b>INTAKE CAPACITY</b>	25 participants

#### **WHO SHOULD ATTEND**

The Program is useful to Engineering Professional who are concerned / connected & responsible for

1. Calibration of all types of Electrical / Electronic Measuring Instruments
2. Maintenance of Electrical Measuring Instruments / Standards
3. Calibration of Instruments Transformer
4. Quality Control
5. Manufacturing of Instruments, Marketing etc

#### **WHY SHOULD YOU ATTEND**

The programme has been particularly designed such that the practicing professionals, should also be aware of the Hierarchy of standards, Traceability of standards and standard practices in standard Laboratory. The programme should help to develop working-skills and generating calibration reports. The programme covers wide range of Electrical measuring instruments. This programme demonstrates the practical skill in calibrating the variety of Electrical Measuring Instruments, which will also meet the requirements of ISO/IEC 17025 and specific criteria for Electro-Technical Measurements as per NABL

#### **WHAT THE PROGRAMME CONTAINS**

1. Calibration Philosophy, Traceability of Standards
2. Standard Practices in Standard Laboratories
3. Errors in Measurements & Estimation of Errors
4. Calibration of Voltmeter, Ammeter, Shunt, CT/PT, Frequency Meter, Wattmeter
5. Phase Angle/Power Factor Meter, Analog / Digital Multimeter, Megger
6. Single Phase as well as 3-Phase Energy Meters, Harmonic Analyzers
7. Measurements of L, C, R.
8. Estimation & Expression of Uncertainty in Measurement as per NABL – 141
9. Specific Criteria for Laboratory Accreditation as per NABL 129 for Electro-Technical Parameter
10. Group exercises on Error Evaluation
11. Uncertainty Calculation in Electrical Measurements

**Certificate of Participation will be issued to each Participant**