

## Effective Implementation and Internal Audit of ISO/IEC 17025 Laboratory Management System (LMS) and NABL Criteria

### Training Content

<p><b>1. Introduction</b></p> <ul style="list-style-type: none"> <li>1.1. Certification and Accreditation</li> <li>1.2. The Global scenario and APLAC, ILAC MRA</li> <li>1.3. The Process of Laboratory Accreditation.</li> <li>1.4. Management Requirements of ISO/IEC 17025:2005</li> <li>1.5. Management Requirements of ISO/IEC 17025:2005</li> <li>1.6. Detailed examination of important management system elements.</li> </ul>	<p><b>2. Introduction to Auditing</b></p> <ul style="list-style-type: none"> <li>2.1. Types and methods of Audit</li> <li>2.2. Checklist preparation, Audit Planning and Audit Schedule.</li> <li>2.3. The Audit Process</li> </ul>
<p><b>3. Detailed examination of important technical operations</b></p> <ul style="list-style-type: none"> <li>3.1. Overview of Measurement uncertainty.</li> <li>3.2. Equipment</li> <li>3.3. Measurement Traceability.</li> <li>3.4. Assuring Quality of Test &amp; Calibration results.</li> <li>3.5. Personnel</li> <li>3.6. Accommodation and Environment Conditions</li> <li>3.7. Test &amp; Calibration Methods and method validation.</li> </ul>	<p><b>4. Identification of Non Conformities</b></p> <ul style="list-style-type: none"> <li>4.1. Preparation of Audit Report</li> <li>4.2. The Internal Audit Process</li> <li>4.3. Implementation of Laboratory Management System with evidence leading to accreditation</li> </ul>
<p><b>5. Technical Requirement of ISO/IEC 17025:2005 Standard</b></p>	<p><b>6. Syndicated exercise on:</b></p> <ul style="list-style-type: none"> <li>a. Management Requirement</li> <li>b. Developing <i>Documented Procedure</i></li> <li>c. Technical requirements</li> <li>d. Developing standard operating procedure</li> <li>e. Internal Audit</li> <li>f. Identification and writing of Non-conformities</li> <li>g. Corrective action close out of non conformities</li> </ul>