

## Training Content

<p><b>1. Introduction</b></p> <p>1.1. Requirements of ISO/IEC 17025 and ISO 15189</p>	<p><b>2. Introduction to Basic Statistics</b></p> <p>2.1. Types and methods of Audit</p> <p>2.2. Sample and Population</p> <p>2.3. Different data summarization methods viz. Graphical, Tubular &amp; Numerical</p> <p>2.4. Important Measures of Central Tendency – Mean, Median, Mode</p> <p>2.5. Range, Deviation, Variance</p> <p>2.6. Standard Deviation</p> <p>2.7. Quartile</p> <p>2.8. Inter-quartile range &amp; Normal inter-quartile range</p>
<p><b>3. Syndicated Exercises on estimation of CV, 'Z' Score and 'E<sub>N</sub>' value by both classical and robust statistics</b></p>	<p><b>4. Quality parameters using statistics</b></p> <p>4.1. Coefficient of Variation (CV)</p> <p>4.2. "Z" Score</p> <p>4.3. Classical and Robust Statistics</p> <p>4.4. "ζ" (Zeta) Score</p> <p>4.5. "E<sub>N</sub>" Number</p>
<p><b>5. Use of Levey – Jennings Chart in analytical measurement process</b></p> <p>5.1. 1 level QC &amp; 2 Level QC</p> <p>5.2. Construction a L&amp;J Chart</p>	<p><b>6. Syndicated exercise on:</b></p> <p>6.1. Construction of Levey – Jennings Chart</p> <p>6.2. With Laboratory and Between Laboratory 'Z' Scores</p> <p>6.3. Estimation of within and between laboratory 'Z' scores</p>