

**From principles to practice: Implement effective laboratory management system.**

Course Duration: 2 days

### **Introduction**

ISO/IEC 17025 provides an internationally recognized foundation for laboratories to ensure and demonstrate their ability to generate valid results. It is essentially a list of competence criteria that the laboratory needs to meet by implementing an effective quality system. This course is designed to provide a comprehensive understanding of ISO/IEC 17025 and its practical application.

### **Who Should Attend?**

This course is designed for laboratory staff who need to:

- Understand the benefits of ISO/IEC 17025 accreditation.
- Implement and maintain an effective quality management system.
- Gain a thorough understanding of the standard's requirements and application.

### **Course Benefits**

By attending this course, you will:

- Understand the benefits of a formal quality management system.
- Gain a better understanding of the management requirements of the standard.
- Learn how to create and maintain effective quality management systems.
- Understand or deepen the awareness of ISO 17025:2017 requirements for testing laboratories;
- Recognize how these requirements have to be met to prove that a laboratory is operating an effective quality system, technically competent,

**and capable of generating technically valid results; and**

- **Gain an insight into the requirements of accreditation bodies**

### **Course Content**

- Introduction to ISO 17025 and laboratory accreditation
- General requirements – impartiality and confidentiality for management of laboratory activities.
- Structural requirements covering the organizational, structural, and management set-up in the laboratory.
- Resource requirements ( Personnel, Equipment, Environment and facilities, External suppliers and service providers, Traceability system
- Process requirements – from request, receiving of samples for testing to reporting of results, following by handling of any received complaints, managing non-conforming works and data/information of laboratory activities.
- Management system requirements – the documentation of the system, and management controls, including internal auditing and management review for compliance and improvements.

"Navigating ISO 17025 in the Laboratories" delivers essential knowledge for implementing and maintaining an effective laboratory management system, ensuring compliance, and generating valid results.

Invest in a professional development program to build laboratory personnel's proficiency in the implementation of an effective laboratory management system

**For further information, please contact: Metrochem Consultancy Services (002505991-X), 28 Jalan USJ 2/4B, 47600 Subang Jaya  
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