

International Training Programme on **LABORATORY QUALITY MANAGEMENT SYSTEMS**

Duration : 3 weeks

Programme Outline

The training comprises of the following phases:

Acclimatization, Study & Workshops: 2 weeks

Laboratory Visits : 4 days

Aspects Covered:

Various aspects which will be covered during the study phase include:

- An understanding of ISO/IEC 17025. Group discussion and case studies are special features.
- Developing and understanding on quality system documentation for the laboratory. It would include training on developing quality manual and procedures etc.
- Management of equipment, calibration, traceability, measurement uncertainty, environmental conditions, test methods, test items, safety, quality control, test records and test reports etc.
- Techniques of conducting internal audit and reporting of the internal audit findings.
- Management review and its contents.
- An understanding of ISO 17043.
- Techniques for conducting ILC/Proficiency Testing & evaluate the Z-scores.
- Estimation of Uncertainty in Measurement.

Implementation of ISO 17025 will be covered during the lectures as well as through Laboratory visits so that the participants can learn the process of implementation and accreditation of Laboratories. After the training, the participants will be able to handle the technical requirements in the laboratory as per international practices.