

## INTRODUCTION

Establishment of Quality Management Systems in a test lab or a calibration lab assures confidence in measurements, streamlining the laboratory operations, improve laboratory's competitiveness, reduce risks & control on the variables. ISO/IEC 17025:2017 is one such standard that provides the criteria for competence of testing & calibration laboratories. This standard applies to all laboratories regardless of the number of personnel or the scope of testing and / or calibration activities in developing their management system for quality, administrative and technical operations. Accreditation from a third party accrediting body, like NABL in India, provides laboratories, the capability to operate an effective quality management system and in turn generate valid & internationally acceptable test and or/ calibration data.

Further, a laboratory holding the accreditation is required to have personnel who, inter-alia, shall implement, maintain and improve the management system, and shall report to the laboratory management on the performance and ensure the effectiveness of laboratory activities.

Keeping this in mind, IMTMA (Indian Machine Tool Manufacturers' Association) is organizing a 5 day programme on Technical System & Management Requirements of ISO/IEC 17025: 2017.

## FOCUS AREAS

- Introduction to ISO/IEC 17025:2017
- The Global scenario and APLAC, ILAC MRA
- General requirements for covering impartiality and confidentiality
- Structural and resource requirements covering facilities, environmental conditions, metrological traceability
- Technical Requirements
  - Test and Calibration Methods & Method Validation
  - Estimation of Uncertainty of Measurements
  - Proficiency Testing and Inter-Laboratory Comparison
  - Reporting of results ,Opinions & interpretations
  - Documentation aspects of ISO/IEC : 17025-2017
  - Process of accreditation and about NABL
- Process requirements covering:
  - Selection, verification and validation of methods
  - Sampling methods
  - Handling of test or calibration items
  - Technical records management
  - Evaluation of measurement uncertainty
  - Ensuring the validity of results
  - Handling complaints, non-conformances & continuous improvements
  - Control of data and information management
- Management requirement covering:
  - Contract Review, Subcontracting, Purchasing & Service to the customer
  - Management system documentation
  - Control of management system documentation
  - Records control
  - Actions to address risks and opportunities
  - Improvement, correction and internal audits
  - Management system reviews.

## KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

1. Understand the principles, purpose and concepts of ISO/IEC 17025:2017
2. Interpretation of the various clauses of the standards
3. Learn quality management requirements and technical requirements
4. Alignment of lab operations with requirements of the standard
5. Understand calibration, traceability and how to achieve traceability
6. Understand measurement uncertainty and its interpretation
7. Develop documentation of the system and understand manual preparation
8. How to keep the manuals up-to-date
9. Requirements of an internal audit program and management review
10. Initiate actions on resolution of non-conformances.

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 12000/-**  
+18% GST  
**IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others**

**USD 480/-**  
**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company**

## FACULTY

This programme will be conducted by **Mr. M.G.Sathyendra**, Consultant & Trainer – Global Certifications.

**Mr. Sathyendra** has been engaged into domestic & international certification for the last 35 years. He held senior positions in organizations like BIS, CSA International, Intertek, etc., He is engaged in Consultancy & Training activities for the last more than 5 years and associated with many certification agencies for third party inspections. He is also a trainer for ISO 9001, ISO/IEC 17025 for labs and ISO/IEC 17020 for inspection agencies. He is Chairman of the quality cell for IEEMA, Secretary for ISLE Karnataka, and a technical expert for NABL.

His executive career spans several organizations. He served with Bureau of Indian standards (BIS) for 17 years - (final posting as Director). He has handled Inspections and testing for UL-USA, SABS (South Africa), He started and headed the Indian operations for CSA Canada for 16years. For 7 years with Intertek heading Head-south & West regions.

### For Registration Contact

**Santosh Singh**  
**Programme Coordinator**  
9021442692  
[santosh@imtma.in](mailto:santosh@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmabl.com](mailto:enquiry@imtmabl.com)

### Contact Address

**INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION**  
Plot 249F, Phase IV, Udyog vihar, Sector - 18,  
Gurgaon - 122015  
Tata no- +91-124-6463101  
Tel : 0124 4014101 - 04  
Fax : +91-124-4014108



imtmatraining.67038796@hdfcbank