CSIR–Human Resource Development Centre, Ghaziabad

Training Programme on
" ISO/IEC-17025:2017 and Evaluation of Uncertainty in Measurements"
December 21 – 24, 2026

About the Programme

CSIR is a scientific research and development organization and its constituent laboratories are engaged in a wide range of R&D activities in Biological Sciences, Chemical Sciences, Engineering Sciences, Information Sciences and Physical Sciences etc. All scientific and industrial R&D work necessarily involve measurement of some quantities. There is always an uncertainty in every measurement which needs to be evaluated as it is an important part of technical competence of a laboratory. The implementation of Quality Management System as per ISO/IEC 17025:2017 in the laboratories and proper evaluation of uncertainty in measurements can enhance the repeatability, reproducibility and reliability of the measurement results which are performed for R&D experiments, testing and calibration purpose.



Objective

The broad objectives of the programme are:

- to impart an interactive experience to the participants in the area of measurement uncertainty of electrical and mechanical parameter.
- to encourage the engineers, scientists and technologists working in the area of testing and calibration in laboratories/ institutes to venture into different aspects of uncertainties

Motivation

The implementation of ISO/IEC 17025:2017 and proper evaluation of measurement uncertainty are essential for ensuring the repeatability, reproducibility and reliability of laboratory results. Estimation of uncertainty requires identification and evaluation of relevant components such as reference standards/materials, measurement methods, equipment and environmental conditions. The programme, led by qualified and experienced professionals, will provide practical guidance on implementing ISO/IEC 17025:2017 and identifying uncertainty contributors. It will enhance participants' confidence and competence in evaluating measurement uncertainty and strengthening laboratory quality practices.

Programme Highlights

- ISO/IEC 17025:2017 & Evaluation of Uncertainty in Measurements
- Detailed Explanation of ISO/IEC 17025 Clauses
- Terminology Concepts, & Sources of uncertainties
- Components of uncertainties - Type A and Type B
- Practical Sessions for Uncertainty Evaluation

Who Should Attend

- Scientists and Technologists from CSIR and other S&T organizations
- Professionals from private laboratories / NABL Accredited Laboratories/ industries / academic institutes performing measurements for R&D, testing and calibration
- Laboratories planning for NABL accreditation as Reference Material Producers.

Training Fee (for Non-CSIR Participants)

₹33,040/- (₹28,000/- + 18% GST ₹5,040/-)

Includes lodging, boarding, and training material for residential participants

(Seats are limited and will be filled on first come first serve basis. Number of participants per institude/ industry may be limited in case of overwhelming response)

Mode of Payment

The registration fee can be paid online through NEFT/RTGS as per below mentioned bank details:

Beneficiary's Name: CSIR-HRDC, Ghaziabad

Bank Name & Address: State Bank of India, Rajnagar, Ghaziabad

Account No.: 30269531421

IFSC Code: SBIN0007873

Important Dates

Last Date for Registration: December 16, 2026

Dates of Program: December 21 – 24, 2026

How to Nominate

Nominations may please be sent to the Programme Coordinators:

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organized by

CSIR-Human Resource Development Centre

CSIR-Human Resource Development Centre, Ghaziabad; a unit of Council of Scientific & Industrial Research, New Delhi, is engaged in promoting a professional and holistic human resource development in CSIR through customized training & development programs for professionalizing R&D management and support functions in CSIR. CSIR-HRDC with lush green campus is situated in an ideal location of Central Government Enclave, Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh, which is around 55kms away from Indira Gandhi International Airport New Delhi and around 35Kms from the New Delhi railway station.