



National Institute of Training for Standardization (NITS) Bureau of Indian Standards

2-DAY TRAINING ON “**MEASUREMENT UNCERTAINTY**”
at National Institute of Training for Standardization (NITS),
A-20 &21, Institutional Area, Sector-62, Noida, U.P. -201309
29-30 AUGUST 2024



LEARNING OBJECTIVES

- Clear understanding of Basic Statistical Concepts.
- Know the factors responsible for measurement uncertainties (MU)
- Identify these factors for your testing/ calibration.
- Carry out the statistical calculations for evaluation of the MU
- Formulate effectively Quality Control Plan for the laboratory utilizing the uncertainty of measurements.
- Understanding a testing activity in terms of mathematical model, to be able to identify the significant control factors for accuracy or validity of results.

COURSE OUTLINE



- Overview and introduction of measurement uncertainty.
- Basics of statistical calculations and components of uncertainty.
- Step by step approach to uncertainty estimation.
- Estimating different types of uncertainties.
- Measurement uncertainty in calibration
- Concepts of combined and expanded uncertainty

PRE-REQUISITES



Availability of a Computer/laptop with a stable internet connection with speakers, camera and mike.

TRAINING METHODOLOGY

- Interactive Online Sessions.
- Workshops, case studies, and auditing exercises.
- Soft copy of all training material.



WHO SHOULD ATTEND

- Technical Heads of testing and calibration laboratory, including microbiological testing.
- Young engineers / scientists working in testing field and wants to enhance their career, with a formal added professional qualification and skill up-gradation.
- An individual working as consultant in ISO/IEC 17025 field.



FEE AND DISCOUNTS



- Rs. 7000/- + 18% GST = Rs. 8260/- per participant.
- Discount of 10% for 2-5 persons and 15% for more than 5 persons from same organization.



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PROCEDURE

The Application has to be made through BIS "Training Portal "as explained below

VISIT the **E-BIS Website:** www.manakonline.in

CLICK on the "Training" Head

LOGIN by clicking on the blue "LOGIN" button on the top right corner

SIGNUP by clicking on "SIGNUP" on the Member Login Page if you are not a member otherwise "SIGN IN" using your credentials

FILL OUT all the fields and click on "REGISTER" and complete the registration process.

CHOOSE the course you want to apply for, fill in the required information and "PAY" the requisite fee.

WHY CHOOSE NITS AS YOUR TRAINING PARTNER

- Advantage of being the National Standards Body of India.
- Rich pool of Trainers with decades of auditing experience across disciplines.
- Course contents developed by subject matter experts.
- Proven track record of delivering public, in-house, e-Learning for leading companies and recognized Government and private organizations.
- Focus on the provision of practical training using real life scenarios.
- Availability of customized training solutions.



For any further queries, you may contact:

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