CSIR-National Physical Laboratory
Dr. K. S. Krishnan Marg, New Delhi-110012

Skill Development Training Calendar 2025-26

GENERAL INSTRUCTIONS

In case of an inadequate number of participants (less than 10), for a particular training programme, CSIR- NPL may drop the execution of that program. Hence, before sending the Payment Receipt, it is advised to confirm with the HRD **(hrd@nplindia.org)** or the concerned **Technical Coordinator** about its dates and execution.

For Technical queries about the training course, the prospective participants may contact the concerned technical coordinator

- **Only Indian Citizens can apply for the training program**
- **Fees, once submitted, are not refundable**

Training Fee/Charges: Per Participant:

One Day Course	Two Days Course	Three Days Course	Four Days Course	Participants
₹3,000 + GST (@18%)	₹4,000 + GST (@18%)	₹5,000 + GST (@18%)	₹6,000 + GST (@18%)	Professionals
₹500 + GST (@18%)	₹1000 + GST (@18%)	₹1500 + GST (@18%)	₹2000 + GST (@18%)	Students and college Faculties

TDS: CSI-NPL is exempted from Tax Deduction at Source under Section 35(1)(ii) of the IT Act 1961. The Training Fee includes Course materials, Training Kit, Lunch, Tea/Coffee, Certificate etc.

After confirming with HRD, preferably training fees should be sent at least two weeks prior to the commencement of the desired training program through a **Demand Draft** drawn in favor of the **"DIRECTOR NATIONAL PHYSICAL LABORATORY",** payable at **"NEW DELHI"**

Online Transfer is also acceptable through Canara Bank Account No. 91002010030018, NPL Campus, National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi-110012. **IFSC Code CNRB0019100**, **MICR no. 110015428**. Kindly confirm the NEFT transfer details through e-mail. In the remarks column of NEFT, please mention "STP No. & Name of the Participants, HRD, NPL"

All STP courses will be conducted in offline mode, unless there is any inescapable situation. Participants are requested to check their schedules before applying for any course. **No request from participants for changes in venue, date, or mode of training will be entertained.**

Lodging & Boarding: Participants are expected to arrange their own accommodations as limited seats are available at NPL Guest House. However, after the payment of registration fees, requests may be sent to nplguesthouse@nplindia.org with HRD in cc. Please note that guest house charges have to be borne by the trainees – at the prevailing rates of NPL Guest House**.**

For registration kindly fill the following Google form link:

https://forms.gle/4XcYoTdujGZckqmR8

For any enquiry, the Participants may contact: -

Mr. Pushkar Joshi
Sr. Technician, HRD Office,
National Physical Laboratory, New
Delhi Pin: - 110012
Ph: - 011-4560 9361, / 011-4560 9366(O)
E-Mail: - hrd@nplindia.org

S. No.	Title of Training Program on	Tentative Dates, Duration
STP-1	Workshop on Advanced Instrumentation Techniques for Material Analysis	18-20 June, 2025, 3 days
STP-2	Training program on mass and dimensional metrology: calibration and measurement uncertainty evaluation.	21-25 July, 2025, 5 days
STP-3	Biomedical Metrology	17-18 July, 2025, 2 days
STP-4	DC Metrology	12-13 August, 2025, 2 days
STP-5	Training Programme on Fluid Flow Metrology	18-20 August, 2025, 3 days
STP-6	Air Quality Measurements	10-12 September, 2025, 3 days
STP-7	Training Program on Plastic Processing, Waste Management and Recycling	8-10 September, 2025, 3 days
STP-8	Force, Torque and Hardness Metrology	17-18 September, 2025, 2 days
STP-9	Impedance Metrology	29-30 September, 2025, 2 days
STP-10	Temperature, Humidity and Moisture Metrology	12-14 November, 2025, 3 days
STP-11	Awareness Program on E-waste Management and Recycling	17-18 November, 2025, 2 days
STP-12	Optical Radiation Metrology	19-21 November, 2025, 3 days
STP-13	Acoustic and Vibration Metrology	26 November, 2025, 1 day
STP-14	Material Metrology	3-4 December, 2025, 2 days
STP-15	Time & Frequency Metrology	19-21 January, 2026, 3 days
STP-16	Symposium Battery Testing and Calibration	22-23 January, 2026, 2 days
STP-17	Training Program on Advance Materials Characterization Techniques	11-13 February, 2026. 3 days
STP-18	Laser Interferometer and Dimensional metrology	18-20 February, 2026, 3 days
STP-19	Workshop on terahertz technologies	4-6 March, 2026, 3 days
STP-20	Scientific Communications	12-13 March, 2026, 2 days

Free Skill Training Programme on 2025-2026

S. No.	Title of Training Program on	Tentative Dates, Duration
FSTP-1	Awareness about Basic Metrology	3-4 February, 2026, 2 days

S. No.	Title of Training Program on	Tentative Dates, Duration	Content of the Training Programme	Technical Coordinator's
STP-1	Workshop on Advanced Instrumentation Techniques for Material Analysis	18-20 June, 2025, 3 days	This workshop offers a specialized, hands-on learning experience (for few equipment) focused on advanced techniques for materials characterization. This programme is designed to equip participants with both theoretical knowledge and practical skills in the use of state-of-the-art tools essential for analyzing and understanding the properties and behavior of advanced materials.	Dr. N. Vijayan nvijayan@nplindia.res.in Ph: - 011-45608263
STP-2	Training program on mass and dimensional metrology: calibration and measurement uncertainty evaluation.	21-25 July, 2025, 5 days	Calibration of weights employing substitution method, Volumetric glassware and balances, Vernier caliper, micrometer, gauge blocks, height gauges and angle gauges etc., followed by measurement uncertainty evaluation for all the parameters.	Dr. Nidhi Singh Singhnidhi.Nplindia@Csir.Res.In Ph 01147091139
STP-3	Biomedical Metrology	17-18 July, 2025, 2 days	Biomedical Metrology: Biomedical parameters, uncertainty evaluation, Calibration of medical device analyzers & simulators and testing of medical devices	Dr. Sudesh Yadav sudesh.yadav@nplindia.res.in Ph: 01145609362
STP-4	DC Metrology	12-13 August, 2025, 2 days	Metrological traceability and Calibration of Digital Multimeter, Multifunction Calibrator, DC Voltage, Current and Resistance, Low Value Resistance and High Value Resistance, DC Voltage Ratio, DC High Voltage/ Current along with uncertainty in measurement	Dr. Hemavathi A. hkarthik.nplindia@csir.res.in
STP-5	Training Programme on Fluid Flow Metrology	18-20 August, 2025, 3 days	Introduction to fluid flow measurements, types of fluid flow standards (primary, secondary, reference/ transfer standards), various types of flow-meters and their applications, testing and calibration procedures of water meters, water flowmeters and gas flowmeters	Dr. Shiv Kumar Jaiswal skjaiswal@nplindia.org Ph: 011-45609426/8583

STP-6	Air Quality Measurements	10-12 September, 2025, 3 days	National ambient air quality standards (NAAQS), quality infrastructure (as per ISO/IEC 17025), general definitions, gas measurement techniques (greenhouse and pollution gases), PM10 and PM2.5 measurements and their calibration (gravimetric sampler, FRM, BAM), particle size concentration measurement, gas standard preparation (ISO 6142, ISO 17034) and analysis (by GCs and CRDS), calibration of analyzers, dilutors, primary techniques of gaseous pollutant measurements (including wet chemical), airflow measurement techniques, analysis of particulate bound chemicals using ICP-OES, measurement uncertainty estimations, with hands-on training on most of the parameter of NAAQS. Noise pollution and ambient sound standard and measurement techniques.	Dr. Shankar G. Aggarwal aggarwalsg.nplindia@csir.res.in
STP-7	Training Program on Plastic Processing, Waste Management and Recycling	8-10 September, 2025, 3 days		Dr. Parveen Saini pksaini@nplindia.org 011-45609505/8627
STP-8	Force, Torque and Hardness Metrology	17-18 September, 2025, 2 days	Calibration of Force, Torque and Hardness parameters along with laboratory demonstration and followed by measurement uncertainty evaluation for all the parameters.	Dr. Rajesh Kumar kumarr@nplindia.res.in Ph: 1145608680 01145608674
STP-9	Impedance Metrology	29-30 September, 2025, 2 days	Metrological traceability and Calibration of LCR Meter, AC Resistance, Capacitance, Inductance with various techniques along with uncertainty in measurement	Dr. Satish satish.nplindia@csir.res.in
STP-10	Temperature, Humidity and Moisture Metrology	12-14 November, 2025, 3 days	Calibration and Testing in Temperature, Humidity and Moisture Metrology	Dr. D. D. Shivagan shivagand@nplindia.res.in

STP-11	Awareness Program on E-waste Management and Recycling	17-18 November, 2025, 2 days		Dr. Parveen Saini pksaini@nplindia.org 011-45609505/8627
STP-12	Optical Radiation Metrology	19-21 November, 2025, 3 days	Basics in calibration and measurement of parameters of optical radiation metrology and related standards0	V K Jaiswal jaiswalvk@nplindia.res.in
STP-13	Acoustic and Vibration Metrology	26 November, 2025, 1 day	Acoustic and Vibration Metrology, Uncertainty evaluation	Dr Naveen Garg ngarg.nplindia@csir.res.in
STP-14	Material Metrology	3-4 December, 2025, 2 days	Dielectric Constant Measurement, Electrolytic Conductivity, Resistivity and Conductivity of Solid Reference Materials along with uncertainty in measurement	Dr. Satish satish.nplindia@csir.res.in
STP-15	Time & Frequency Metrology	19-21 January, 2026, 3 days	Basics of atomic clocks, measurement & dissemination techniques, and applications of T&F Metrology	Dr. Poonam Arora arorap@nplindia.res.in
STP-16	Symposium Battery Testing and Calibration	22-23 January, 2026, 2 days	Battery Testing and Calibration: Present and Future	Dr. Satish satish.nplindia@csir.res.in
STP-17	Training Program on Advance Materials Characterization Techniques	11-13 February, 2026. 3 days		Dr. Parveen Saini pksaini@nplindia.org 011-45609505/8627
STP-18	Laser Interferometer and Dimensional metrology	18-20 February, 2026, 3 days	Laser Interferometer, GBI, LMM, ZyGO etc.	Dr. Mukesh Jewariya jewariya.mukesh@nplindia.res.in

STP-19	Workshop on terahertz technologies	4-6 March, 2026, 3 days	Basics of terahertz technologies, spectroscopy and Imaging	Dr. Mukesh Jewariya jewariya.mukesh@nplindia.res.in
STP-20	Scientific Communications	12-13 March, 2026, 2 days	Scientific Writing, Ethics, Plagrism etc.	Dr. Mukesh Jewariya jewariya.mukesh@nplindia.res.in

Free Skill Training Programme for 2025-2026

S. No.	Training Program	Dates & Duration	Content of the Training Programme	Technical Coordinator
FSTP-1	Awareness about basic metrology	3-4 February 2025, Two Days	This program is intended to provide awareness about basic metrology. The sessions shall cover basics of measurement systems both at national and international level. In addition, it shall summaries an overview of SI units before and after redefinition. Also, metrological terms will be introduced along with requirement on equipment. Furthermore, basics of measurement uncertainty will be discussed in detail. This online training program has specifically designed for accredited labs, students, researchers, and academicians.	Dr. Nidhi Singh Ph: 011-47091139/2139 singhnidhi@nplindia.org