

CSIR SKILL BULLETIN (A FORTNIGHTLY E-PUBLICATION)

सीएसआईआर कौशल पत्रक
(पाक्षिक ई-प्रकाशन)

Editorial Team

- Dr Vinay Kumar
- Ms Neeti Sagar

In this issue

- Skill Trainings by CSIR
- Upcoming Events
- News Clippings
- General Events
- Glimpses
- Useful Links



IMAGES: Various Skill Development Training Programs at different CSIR Labs

SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

CSIR NCL Pune conducted a 2-week Skill Development program on “Chromatographic Techniques” from 21st April- 2nd May, 2025. Total 09 students were trained. This course provided a comprehensive training on chromatographic techniques, including GC, GC-MS, HPLC, and HPLC-MS. It also covered the identification and purification of mixture components for both qualitative and quantitative analysis. Dr. Sanjay Borikar, Dr. Mahesh Kulkarni, Dr. Snehal More, and Dr. Nilakshi Sadavarte as main coordinators and their team served for the successful completion of this course. Nodal Head at CSIR-NCL Dr. Rajesh Gonnade supported this program in all possible ways. Special thanks to our CSR sponsors Envalior and CSIR-SDP, who supported with funds.



CSIR NIIST, Thiruvananthapuram conducted a training cum stakeholders meet on “Avocado” during 7th May 2025. It was jointly organized by Wayanad Hill Farmers Producers Company Limited (WHFPC), Wayanad (Implementing agency- Central SFAC CBBO- Grant Thornton Bharat) & CSIR-NIIST Thiruvananthapuram Sponsored by Agricultural & Processed Food Products Export Development Authority (APEDA) Govt. of India, New Delhi. A total of 60 participants attended the programme



CSIR-CRRI, New Delhi conducted a training programme on “Road Safety Audit & Other Aspects Related to Road Safety” during 13TH - 28TH May 2025 by CSIR-Central Road Research Institute (CRRI), Delhi; Co-Organizers: Ministry of Road Transport and Highways (MoRT&H) & Indian Road Congress (IRC). A total of 64 participants attended the programme.



CSIR-CECRI, Karaikudi conducted a one-week Skill Development Training Program on “Basics of high-resolution imaging techniques and their applications to Science & Technology” during 19th - 23rd May, 2025 under the aegis of the CSIR Integrated Skill Initiative. This programme aimed to provide the latest knowledge & Imaging techniques allowing neuroscientists to visualize the anatomy and physiology of the nervous system. Based on the modalities used to detect signals, imaging techniques can be classified into different sub-categories. A total number of 40 participants from various parts of Tamil Nadu attended this training program. The program was inaugurated by Dr. C. Raju, Chief Scientist and Head of the Central Instrumentation Facility at CSIR-CECRI, Karaikudi. The event was coordinated and hosted by Dr. S.M. Rajendran, Chief Scientist & Nodal Officer, CSIR-ISI.

The welcome address then followed by an overview of RTC's training activities presented by Mrs. G. Alamelu, the newly appointed Director of Rural Training Centre (RTC), Amaravathipudur. The program was technically convened by Er. A Rathishkumar, Principal Technical Officer, who also delivered a lecture about the current training activities. A formal vote of thanks was given by and Mr. R. Ravishankar, Principal Technical Officer. Several faculty members were present during the inaugural function.



CSIR- IIP, Dehradun conducted a Skill Development Training program on “Bitumen & Bituminous Binders: Properties and Testing Methods” from 19th - 23rd May, 2025. The training program dealt with the Introduction to concepts of Bitumen emulsion , Aging & Storage stability. During the valedictory session , Officiating Director IIP - Dr S K Ganguly, In-Charge Training -Premchand.N and Senior faculties from Bitumen Area - Dr Kamal Kumar & Mr Gokul Prasad delivered a talk and interacted with the students. Officiating Director-IIP distributed the certificates and the 5 day training program successfully ended with overwhelmingly positive response from the participants .The training program was attended by 5 participants.



UPCOMING EVENTS

आगामी आयोजन

One Week National e-Workshop on Innovation & Intellectual Property Rights (NeW IPR-2025), June 16 - 21, 2025
 CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, India

Organizing Structure
PATRON: Dr Ramanuj Narayan, Director, CSIR-IMMT
CO-PATRON: Dr L D Bessa, Head-MICE, Er J Mallick, Head-PME
CONVENER: Dr T Pavan Kumar, Principal Scientist & Manager-INTEC

Virtual - MS-Teams 4 Sessions a day (2 PM & 2 AM)
Inaugural June 16, 2025 10:00 - 11:00 AM
Inaugural talk INNOVATION & IPRs – Importance and Impact

Lectures, Interactions, Hands-on Exercises

SCAN HERE FOR REGISTRATION

Experts from: Academia/Research - Industry/MSME Patent Office & IP firms

NeW IPR 2025 **IP** **LEARN** **PROMOTE** **PROTECT** **PROFIT** **PRACTICE** **ALL** **6 Days** **24 Experts** **4 h/day**
 an inclusive & interactive event...

REGISTRATION fee: Rs 200/- only

COVERAGE:
 Day-1: IP & INNOVATION Overview of IPRs Basics & Importance Examples IP Scenario
 Day-2: Essentials of Trademarks Copyrights & Designs Traditional Knowledge GI & Plant Varieties Idea to IP
 Day-3: IP & ETHICS IP in MARKET Dos & Don'ts CAREER PROSPECTS IP - PAIN or GAIN
 Day-4: ALL About PATENTS Structure Types CLAIMS Drafting
 Day-5: PATENT FILING E-Filing at IPO PATENT EXAMINATION Tackling with FER CASE STUDIES
 Day-6: TAKEAWAY Patent Search Hands-on Training Do it yourself PATENT READING PATENT MAPPING

CONNECT & NETWORK with IP ECOSYSTEM
E-Certificate & Reference Material will be provide after the Workshop

Step-1: Pay Registration Fee of Rs 200/- at
 A/C NAME : IMMT
 ACCOUNT NO : 30267734773
 BANK : SBI
 ACCOUNT TYPE : SAVINGS
 IFSC CODE : SBIN007499
 BANK BRANCH: RRL CAMPUS BRANCH

Step-2: Keep Transaction Number Ready

Step-3: Fill the form using below Registration Link (Don't Forget to Fill Transaction Number)
<https://forms.gle/o1qc84G32wvcqQ6>

CONTACT: Dr T Pavan Kumar, Convener, NeW IPR-2025
nevipr2025@gmail.com
<https://chat.whatsapp.com/D0wFv33C30mL8N04m>

WORKSHOP ON ESSENTIAL MOLECULAR TECHNIQUES IN APPLIED MICROBIOLOGY

Program Coverage

- Bacterial cultures and maintenance
- Nucleic acid extraction and purification method
- PCR operation and gene amplification
- Molecular identification of bacteria and phylogenetic analysis

Benefits

- Theoretical and practical knowledge
- Hands-on sessions in lab setting
- Essential molecular techniques like nucleic acid extraction, Gel electrophoresis, PCR.

Phylogenetic Analysis

Bacterial Culture and maintenance

Gel Electrophoresis

Course Fee:
 For Academia - Rs. 2000/-
 For Industry - Rs. 4000/-

Eligibility:
 B.Sc./M.Sc./Ph.D.

Course Coordinator:
 Dr. Abhay Bajaj

16-17 June, 2025
 9:30 AM ONWARDS

Venue: CSIR- IITR, M.G. Marg Campus

For queries contact:
 Monika Yadav (Project Associate-1)- 7905199463
 Sadiga Zafar (Project Associate-1)- 9838608758
 Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236
sdp.iitr@iitr.res.in

CLICK/SCAN HERE TO REGISTER
<https://iitr.res.in/En/SDP.aspx>

SCAN HERE FOR PAYMENT

COURSE FEE IS ONLY FOR IMPARTING TRAINING. ADDITIONALLY, WHEREVER APPLICABLE, CANDIDATES MAY TO MAKE THEIR OWN ARRANGEMENTS (RELATED TO LODGING/BOARDING, TRAVEL, LOCAL TRANSPORTATION, ETC.) AND BEAR THOSE EXPENSES ON THEIR OWN. THE FEE ONCE PAID IS NOT REFUNDED, UNLESS THE COURSE IS CANCELLED.
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 CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH, (CSIR-IITR) VISHVIVYAN BHAWAN, 31 MAHATMA GANDHI MARG, LUCKNOW-226001.

CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Surface Characterization Techniques"

ABOUT COURSE
 Surface analytical techniques play a crucial role in characterizing the properties and composition of materials at the atomic and molecular levels. These techniques enable scientists and researchers to gain valuable insights into the surface chemistry, elemental composition, and particle size distribution of various materials.

COURSE CONTENT

- BET Surface Analysis
- X-Ray Photoelectron Spectroscopy (XPS)
- Scanning Electron Microscopy - Energy Dispersive X-ray Analysis (SEM/EDAX)
- Elipsometer Spectroscopy
- Raman Spectroscopy
- Transmission Electron Microscopy (TEM)

PRIME INSTRUCTOR
 Dr. C. P. Vinod
 Dr. Pankaj Poddar
 Dr. Shatabdi Porel Mukherjee
 Dr. Ratnesh Kumar Jha
 Dr. Rupali Waichal
 Mr. Ramakrishna Gholap
 Mr. Umesh Katamkar

COURSE DETAILS
 Duration: 2 Week
 Dates: 16 June - 27 June 2025
 No. of Seats: 16
 Eligibility: Msc (Chemical & Physical Sciences), M.Tech (Nanotechnology)

Course Fees:
 Students: 10,620 /-
 Faculty: 26,780 /-
 Industrial Professionals: 50,740 /-
 (The fees stated include 18% GST)
 Accommodation: 2 week + 2 days with affordable charges

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

HOW TO APPLY
 Application form is available at -
<http://www.ncl-india.org/files/SDP/Default.aspx>

Here is the reason why WHY CHOOSE US

- More weightage on hands-on practice
- Interactive sessions
- Robust & sustainable training module
- Affordable fee structure
- Brief on career options
- Networking

CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pashan, Pune-411008

Envalior
 CSR Sponsor

<https://nclsdnp.ncl.res.in/>
ncl.sdct@ncl.res.in

SKILL DEVELOPMENT PROGRAMME

Microscopic and Diffraction Techniques for Materials Characterization

APPLY ONLINE:
<http://sdp.niist.res.in>

What You'll Explore:

- Microscopic Marvels:** Exploring the hidden microscopic world through techniques like Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), Atomic Force Microscopy (AFM), and Optical Polarizing Microscopy (OPM). Witness the intricate structures of materials with clarity and precision.
- Crystal Clarity:** The realm of crystallography with Powder X-ray Diffraction (PXRD) and Single Crystal X-ray Diffraction (SCXRD). Learn to decipher the atomic arrangements of crystals, unlocking their secrets with finesse.

Course fee Rs. 7500/-

ACCOUNT DETAILS
 The Director, CSIR-NIIST
 Account No: 67047723825
 IFSC Code: SBIN0070030
 Bank: State Bank of India (SBI)
 Address: Pappanamcode, Industrial Estate

Why Choose This Course:

- Practical Learning:** Training sessions that blend theory with real-world application. Gain confidence as you navigate through practical experiments under expert guidance.
- Career Advancement:** Equip yourself with skills highly valued in both academic research and industrial settings. Expand your career opportunities and make significant strides towards your professional goals.

Interactive Sessions:
 Engage in lively discussions and interactive sessions designed to deepen your understanding of complex concepts

Cutting-Edge Facilities:
 Access state-of-the-art equipment and facilities that simulate real-world scenarios, ensuring a seamless learning experience.

Networking Opportunities:
 Connect with fellow participants and experts, fostering valuable collaborations and expanding your professional network.

Course: Dr. Biswapriya Deb, Dr. Aderah Asok, Dr. Praveen V. K., Dr. Satyajith Shukla, Dr. Surendran K. P., Dr. Sunil Varughese, Dr. Subrata Das, Mr. Chandrakanth C. K., Mr. Kiran Mohan, Mr. Harish Raj V.

CONTACT:
 PHONE: 0471-2515326
 E-mail: sdp@niist.res.in

COURSE COORDINATORS:
 DR. BISWAPRIYA DEB
 DR. SUNIL VARUGHESE

Date:
 16th to 27th June 2025

<https://www.niist.res.in/english/academics/csir-skill-initiative>




Environmental Monitoring Instruments and Analyzers for Assessment of Air and Water Pollution – Hands-on Training

Learn With us:

- Instrumental techniques for sampling and monitoring of environmental pollution and industrial emissions
- Computational tools for analysis and assessment of environmental monitoring data
- Collection of samples, and physico-chemical characterization of environmental and industrial pollution samples
- Identification and analysis of micro-organisms from the ambient air samples
- Generation of aerosols and size distribution analysis of atmospheric particle pollution

DATE: 18.06.25 – 20.06.25 (3 days)

-TIME: 10:00 AM ONWARDS

-ELIGIBILITY: B.Tech. / M.Tech. in Environmental/Civil/Chemical/ Mechanical Engineering Or M.Sc. in Environment/Chemistry/ Physics

-REGISTRATION FEES:
(For Academia-Rs.3000/-)
(For Industry-Rs.6000/-)

-*LAST DATE OF REGISTRATION: 09.06.25

CLICK/SCAN HERE TO REGISTER
<https://iitr.res.in/En/SDP.aspx>

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STUDENT COORDINATORS
 Monika Yadav - 7905199463
 Sadiya Zafar - 9838608758

Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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COURSE COORDINATORS
 Dr. B. Sreekanth
 Dr. Abhay Raj

Venue
CSIR- IITR
C.R. Krishnamurti (CRK)
Campus Gheru, Lucknow

Certificates will be provided to all participants

COURSE FEE IS ONLY FOR IMPARTING TRAINING. ADDITIONALLY, WHEREVER APPLICABLE, CANDIDATES HAVE TO MAKE THEIR OWN ARRANGEMENTS (RELATED TO BOOKING/BOARDING, TRAVEL, LOCAL TRANSPORTATION, ETC.) AND BEAR THOSE EXPENSES ON THEIR OWN. THE FEE ONCE PAID IS NOT REFUNDABLE, UNLESS THE COURSE IS CANCELLED. DO NOT BOOK YOUR TICKETS UNTIL YOU GET A CONFIRMATION MAIL FROM OUR END

CSIR - Indian Institute Of Toxicology Research, CRK Campus, Gheru, Lucknow- 226401

Skill Development Program on "Molecular Cloning and Protein Expression" 21st July – 05th Aug 2025

CSIR-Center for Cellular and Molecular Biology shall conduct a hands-on training workshop for sixteen days on "Molecular Cloning and Protein Expression" (RECOMB-IV) targeted to faculty/researchers, Post graduates from Universities/Institutes as well as people working in the industry in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. This introductory workshop is intended for beginners to teach and train them about the basics of Molecular Cloning and Protein Expression in basic research for various experiments. It will be supplemented with informative lectures, hands-on training, instrument set-up, data collection and analysis.

Duration	: 16 days
No. of seats	: 10-12
Target Audience	: Faculty/ Researcher from Academia/Industries/ Institutes
Minimum Qualification	: Masters in any branch of Life Science/Allied areas
Dates	: 21 st July – 05 th Aug 2025
Mode of the Course	: In-house training at CCMB
Mode of selection	: Application form & Statement of Purpose
Course Fee	: 30,000/- INR. (Including Accommodation & GST)

Training Curriculum for Course:

- Media preparation, handling bacterial cell culture; reagents preparation and equipment use for cloning.
- Competent cell preparation for recombinant DNA cloning and protein expression.
- Polymerase Chain Reaction (PCR)- Its principle, working and designing of oligos for gene of interest.
- Plasmid vector preparation and restriction digestion of the plasmid by restriction enzymes.
- Ligation and transformation of the ligated recombinant gene.
- Screening for positive clones and confirmation using colony PCR or restriction enzyme digestion and DNA sequencing.
- Transformation of the confirmed clone into expression host bacterial strain.
- Protein expression standardization, optimization of purification strategies for the expressed protein and its analysis by SDS –PAGE.


Salient Features of the Training:

- Skilled resource persons will provide lectures and laboratory training
- Exposure to laboratory safety regulations
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation will be issued to the participants

Contact details:

Dr. Archana Bharadwaj Siva
 Nodal Scientist: Skill Development Program
 CSIR-CCMB, Hyderabad, Telangana
 E mail: sdp@ccmb.res.in

Apply Here!






WORKSHOP ON SDS-PAGE & WESTERN BLOTTING

'For the students by the students'

Program Coverage

- Hands-on training
- Protein Sample preparation
- Casting of gradient gel
- SDS-gel electrophoresis
- Semidry transfer
- Documentation and Analysis

DATE: 25.06.25-26.06.25 (2 days)

-TIME: 9:00 AM ONWARDS

-ELIGIBILITY: B.Sc./M.Sc.

Last Date of Registration-15.06.25

-REGISTRATION FEES:
(For Academia-Rs.2000/-)
(For Industry-Rs.4000/-)

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LINK-<https://iitr.res.in/En/SDP.aspx>

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STUDENT COORDINATORS
 Monika Yadav - 7905199463
 Sadiya Zafar - 9838608758

Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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COURSE COORDINATORS
 Mrs. Shobhna Arya (UGC-SRF)
 Dr. Ravi Ram Kristipati
 (Senior Principal Scientist)

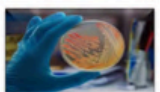


Venue
CSIR- IITR
M.G. Marg, LUCKNOW

Certificates will be provided to all participants

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Skill Development Program On "Genetic & Microbial Monitoring of Animals" (GMMA-II) 08th - 16th September 2025

The CSIR-Center for Cellular and Molecular Biology is organizing a hands-on training on 'Genetic & Microbial Monitoring of Animals' (GMMA-II) targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. It is intended to train people in monitoring and maintaining lab animals used for various experiments. The training would involve hands-on experiments and lectures on tissue collection, DNA isolation, genotyping, biochemical analyzers, microbial contamination detection and prevention.

No. of seats	: 10-15
Minimum Qualification	: Bachelors/Masters in any branch of Life Science/Allied areas
Dates	: 08 th - 16 th September 2025 [8 days]
Mode of the Course	: In-house training at CCMB, Hyderabad
Mode of selection	: Application form& Statement of Purpose
Course Fee	: Rs.18,000/- (including accommodation & GST)
Apply using the link	: http://recruitment.ccmb.res.in/training_programs/sdp/

Training Curriculum: (lectures and hands-on sessions)

- Quality control, both genetic & microbial to maintain genetically homozygous & germ free animals
- Immuno-genetic, biochemical and PCR based testing methods
- Disease screening of lab animals, sample collection & processing techniques for molecular & microbiological monitoring
- Things to sort out during standardization

Hands-on:

- Genomic DNA isolation from tail samples and genotyping by standard PCR with gene specific and SSLP markers
- Biochemical markers (Hb, ALP, Albumin, SGPT, etc.) to assess the genotype or genetic contamination
- Tissue collection, DNA & RNA isolation, Complimentary DNA synthesis for DNA & RNA viruses
- Identification of infective agents by Real time PCR (qPCR)
- Preparation and observation of agar plates for microbial cultures from different platforms
- Microbial assessment by different staining procedure and ABST
- Biochemical testing by hematology and immunological testing by ELISA
- Fecal examination for endo-parasites and skin scraping for ecto-parasites

Demos:

- Primer sequence selection, primer design and synthesis
- Basic PCR programming, uses of real time(qPCR) and reverse transcriptase (RT PCR) types
- Buffers and Master mix preparation for DNA,RNA isolations and PCR
- Skin and hair scrapping to identify the presence of ecto-parasites
- Basic histo-pathological techniques involved in health monitoring program


Salient Features of the Training:

- Expert instructors will provide lectures and hands on training
- Exposure to laboratory safety regulations
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation will be issued to the participants

Training Coordinator:
 Dr. Jerald Mahesh Kumar
 Chief Scientist, In-charge
 Animal House, CSIR-CCMB,
 Hyderabad.

Contact details:
 Dr. Archana Bharadwaj Siva
 Nodal Scientist
 Skill Development Program
 CSIR-CCMB, Hyderabad.
sdp@ccmb.res.in

Scan to Apply






WORKSHOP ON MICROBIOLOGICAL WATER SAFETY: SAMPLING AND TESTING FOR SAFETY MANAGEMENT

June 10 - 30, 2025
9:30 AM ONWARDS

Program Coverage:-

- Microbiological instrument handling
- Sterilization Techniques & Applications
- Basics of calculations; Buffers and reagent preparation
- Culture media (solid/liquid) preparation and its types
- Various methods for isolation of cultures (streak, spread and pour plate techniques)
- Identification of microorganisms by biochemical tests
- Introduction to national and international water quality standards
- Methods of sampling of water and wastewater
- Sample preservation and transportation
- Microbiological testing of different water samples
- Microscopic Examination of the Bacterial Cultures

Benefits to participants:

- Enhanced Technical Knowledge
- Microbiological contaminants (e.g., Coliforms, E.coli) in water
- Waterborne disease transmission pathways
- Principles of microbial risk assessment and water quality standards

Course Fee:
For Academia - Rs. 10000/-
For Industry - Rs. 15000/-

Eligibility:
B.Sc/M.Sc. in Life Sciences, Biotechnology, Microbiology, Environmental Sciences, Environmental Microbiology, Biochemistry

Course Coordinator:
Dr. Preeti Chaturvedi Bhargava

Venue: CSIR - IITR, M.G. Marg Campus

Last date of registration- June 06, 2025



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Workshop on Oxidative and Cellular Stress Assays

Program Coverage & Benefits:

- ▲ Oxidative Stress, Pro-Oxidants & Antioxidant Enzymes
- ▲ Non-Kit Based and Economical Biochemical Assays of Oxidative stress parameters
- ▲ Preparation of Buffer
- ▲ Hands-on/Demo of Biochemical assay of activity of antioxidant enzymes (SOD, Catalase), Glutathione-S-transferase as well as level of ROS and Lipid peroxidation (LPO)

Course Coordinator:
Ms. Mirat ul Fatima
Dr. Ravi Ram Kristipati

Share 

DATE: July 23-25, 2025 (3 days)

- Eligibility:- M.Sc. in Life sciences
- Course Fee:- For academia- Rs.3000/- For Industry- Rs.6000/-
- Time :- 9:00 AM-5:30 PM
- Venue:- CSIR-IITR, M. G. Marg, Lucknow

CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS.

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Sadiya Zafar - 9838608758
Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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LAB TECHNICIAN-RESEARCH & QUALITY CONTROL (LFS/Q0509)

LEARN WITH US:-

- LFS/N0531- PROCESS THE LABORATORY GLASSWARE/PLASTICWARE FOR EXPERIMENTATION
- LFS/N0533- STORE & HANDLE LABORATORY CHEMICALS AND MAINTAIN RECORDS
- LFS/N0109- ENSURE HYGIENIC, CLEAN AND CONTAMINATION FREE WORK AREA AND HOODS IN LABORATORY
- LFS/N010- FOLLOW ENVIRONMENT, HEALTH SAFETY GUIDELINES IN GMP/GLP CONTROLLED AREA AND LABORATORY
- LFS/N0561- COORDINATE WITH CHEMIST/RESEARCHERS AND CROSS- FUNCTIONAL TEAMS

DATE - 16.07.25 - 14.08.25 (05 weeks)

ELIGIBILITY- 12TH PASS

COURSE FEE- FOR ACADEMIA -RS. 5000/- FOR INDUSTRY- RS.10000/-

LAST DATE OF REGISTRATION- 27.06.25

VENUE- CSIR_IITR, M. G. Marg

COURSE COORDINATORS

- DR. ALOK K. PANDEY- SENIOR PRINCIPAL SCIENTIST
- DR. VIKAS SRIVASTAVA- PRINCIPAL SCIENTIST

STUDENT COORDINATORS
Monika Yadav - 7905199463
Sadiya Zafar - 9838608758
Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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EXPOSURE TO RESEARCH METHODS AND SCIENTIFIC LABS

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Integrated Skill Development Initiative of CSIR
STEP 1: Three Day Workshop on Advanced Instrumentation Techniques for Materials Analysis
Venue: CSIR- National Physical Laboratory, New Delhi-110012
18-20 June, 2025

Training Fee Charges Per Participant

Professionals : One Day Course : Rs.3000+18% GST; 2 Day Course : Rs.4000+18% GST; 3 Day Course : Rs.5000+18% GST; 4 Day Course : Rs.6000+18% GST

Students and College Faculties : One Day Course : Rs.500+18% GST; 2 Day Course : Rs.1000+18% GST; 3 Day Course : Rs.1500+18% GST; 4 Day Course : Rs.2000+18% GST

TDS: CSIR-NPL is exempted from Tax deduction at source under section 35(1)(II) of the Income Tax Act 1961.

Training fee include course material, training kit, Lunch, Tea/Coffee etc.

The training fee should be sent at least two weeks prior to the commencement of the desired training program through a Demand Draft drawn in favour of the "DIRECTOR, NATIONAL PHYSICAL LABORATORY", payable at "NEW DELHI".

Aim of the Workshop
The course offers a comprehensive overview of structural characterization techniques for materials, integrating fundamental principles with practical applications to provide both theoretical knowledge and hands-on insights. This course mainly focuses on providing basic knowledge on Powder X-ray diffraction, TEM, SEM/EDX, EPR, PSA, DLS, X-Ray Fluorescence, etc.

TOPICS TO BE COVERED: Powder X-ray Diffraction Technique, X-Ray Fluorescence, EPR, DLS, Particle Size Analyser, SEM, TEM, Photoluminescence

Target Audience: Students, Scientists, Researchers, Aspiring IP Professionals, Professors

Bharatiya Nirdeshak Dravya (BND) : Indian Reference Material CSIR-National Physical Laboratory New Delhi-110012

Online transfer is also accepted through Canara Bank Account No. 91002010030018, NPL Campus, 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 "HRD,NPL" Lodging & Boarding Charges to be borne by the Trainees- As per prevailing rates in the NPL Guest House (Subject to availability)



**BASIC SKILL DEVELOPMENT TRAINING ON
"Analysis with Elemental, Microscopic and Thermo-gravimetric tools"
(16th-27th June 2025)**

CSIR-INDIAN INSTITUTE OF PETROLEUM

INTRODUCTION

CSIR-IIP has state-of-the-art R&D facilities, experienced and qualified staff and the institute maintains its leading position in conducting training programs for the personnel from refining, petrochemical, automotive, power and related user industry. More than 10,000 personnel from India and abroad have been trained.

CSIR-IIP conducts skill development programs under 'CSIR Integrated Skill Initiatives (ISI) applications are invited from eligible participants for basic skill development training program on "Analysis with Elemental, Microscopic and Thermo-gravimetric tools".

Our Analytical Sciences Division is equipped with range of analytical instruments and our Scientists having vast knowledge and Working Experience. The participants will acquire a broad working knowledge of various Elemental, Microscopic and Thermo-gravimetric analytical techniques (AAS, ICP-OES, SEM/ TEM, TGA/DSC & Powder XRD).

GET IN TOUCH

Sh Premchand Nerusu
Co-ordinator, Skill Development Training Program
CSIR-Indian Institute of Petroleum Mohkampur,
Haridwar Road Dehradun - 248005

e-mail: premchand.nerusu@iip.res.in
Sh Premchand Nerusu,
Tel No 0135-2625952, M- 9481709862
Sh Rajnish Bhatnagar,
Tel 0135-2625951(O), M-8218659825



**BASIC SKILL DEVELOPMENT TRAINING ON
"ANALYSIS WITH ELEMENTAL,
MICROSCOPIC AND THERMO-GRAVIMETRIC
TOOLS"**

OBJECTIVES & SCOPE

Training is aimed at providing in depth knowledge and hands on experience on AAS, ICP-OES, SEM/ TEM, TGA/DSC & XRD techniques to those new to the R&D institute/industry or wish to develop their career further in the relevant QA/ QC area with more strengthened analytical approach.

AFTER SUCCESSFUL COMPLETION

With exposure to advanced analytical instrumental facilities backed by theoretical clarity, a person will be able to develop precise evaluation approach for research and development activities/quality compliances besides running routine analytical tests depending upon individual's ability and dedication in learning the skill.

CONTENTS

- Basics of analytical chemistry
- Qualitative and quantitative analysis: Pre-requisites
- Analytical approaches using Elemental, Microscopic and Thermo-gravimetric and XRD technique
- Theory, Instrumentation & analysis using
 - a) AAS (Atomic Absorption Spectroscopy), ICP-OES (Inductively Coupled Plasma Optical Emission Spectroscopy)
 - b) SEM (Scanning Electron Microscopy) / TEM (Transmission Electron Microscopy)
 - c) TGA (Thermo-Gravimetric Analysis /DSC (Differential Scanning Calorimetry)
 - d) Powder XRD (Powder X-ray Diffraction)
- Sample Preparation & Data Interpretation

IMPORTANT DATES

Last date for submission of Application : 13th June 2025
Course Duration : 16th to 27th June 2025

PRE-REQUISITES / QUALIFICATION

Having Post graduation in Chemical Sciences (M.Sc.) / M.Pharm

Age : 20-40 years

WHO SHOULD JOIN

Resident Indian having desire to excel in the area of R&D/ Quality Control OR wants to acquire broad knowledge of testing and evaluation for competitive examinations.

SALIENT FEATURES OF THE PROGRAM

- Theory : Practical :: 20 : 80
- Interactive sessions for in-depth knowledge sharing.
- Evaluation of trainees will consist of both Theory & Practical component.
- Certificates will be awarded on successful completion of the training.
- Exposure to R&D labs

COURSE FEES / TERMS AND CONDITIONS

A non-refundable course fee of ₹ 4,000 (Rupees Four Thousand only) per person is applicable for students/unemployed candidates, and ₹ 20,000 (Rupees Twenty Thousand only) for sponsored candidates.

The SC/ST/EWS candidate will get 25% discount in the above fee structure.
Course Fee shall be paid through electronic mode after confirmation only.

Boarding & Lodging charges extra as per the prevailing rates of IIP Hostel and subject to availability..

CSIR INTEGRATED SKILL INITIATIVE

Name of Bank	: State Bank of India
Name of the account holder	: Director, Indian Institute of Petroleum, Dehradun.
Bank Account No	: 30266912400
Branch	: IIP Township, Mohkampur Dehradun, India
SWIFT Code II	: SBININBB380
Digit IFS Code	: SBIN0002359

TRAINING VENUE : CSIR-Indian Institute Of Petroleum P.O.: IIP Mohkampur, Haridwar Road, Dehradun-248 005, Uttarakhand (India).



सीएसआईआर - राष्ट्रीय अंतर्विषयी विज्ञान तथा प्रौद्योगिकी संस्थान
CSIR - NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY (NIIST)



SKILL DEVELOPMENT PROGRAMME

ADVANCED METAL CASTING & MANUFACTURING TECHNOLOGIES

Objectives and Scope

To familiarize and practice the principles and processes of Non-Ferrous metal and alloy casting techniques and characterization and inspection of the castings for their quality. During the course, both theory classes and hands on training to handle the liquid metals at the foundry will be provided.

Topics Covered

- Foundry practice and safety measures
- Conventional and Advanced casting techniques
- Aluminium melting and casting practice
- Magnesium foundry practice
- Composites and functionally graded material processing
- Casting defects and characterization
- Virtual casting - Casting simulation
- Rolling and extrusion process

Job Opportunities

Foundry Engineer / Production Engineer
Supervisor in Foundries / Shop floor Operator / Manager
Testing and Quality Control Engineer in Foundries

Eligibility

ITI, Diploma or B.E in Mechanical / Production / Metallurgy Engineering (currently pursuing students can also attend)

Schedule

Commencement of course: **09/07/2025**
Duration: **Three Days** (from 09/07/2025 to 11/07/2025)
Number of seats/batch: **Maximum-25**
Course Fee: **Rs 3,000/-** (Lunch and Course material included)

Account Details

The Director, CSIR-NIIST
Account No: **6704723825**
IFSC Code: **SBIN070030**
Bank: **State Bank of India (SBI)**
Address: Pappanamcode, Industrial Estate

Resource Persons

- Dr. T.P.D. Rajan, Chief Scientist, CSIR-NIIST
- Dr. A. Srinivasan, Sr. Principal Scientist, CSIR-NIIST
- Dr. Sreeja Kumari S. S., Principal Scientist, CSIR-NIIST
- Dr. Venkatesan J., Sr. Scientist, CSIR-NIIST
- Dr. Parijat Pallab Jana, Scientist, CSIR-NIIST

Account Details

The Director, CSIR-NIIST
Account No: **6704723825**
IFSC Code: **SBIN070030**
Bank: **State Bank of India (SBI)**
Address: Pappanamcode, Industrial Estate


Course Coordinator: **Dr. A. Srinivasan**
Senior Principal Scientist

Participation certificate will be issued


APPLY ONLINE: <http://sdp.niist.res.in>

CONTACT US: **0471 - 2515248, 2515326**

<https://www.niist.res.in/english/academics/csir-skill-initiative>



सीएसआईआर - राष्ट्रीय अंतर्विषयी विज्ञान तथा प्रौद्योगिकी संस्थान
CSIR - NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY (NIIST)



SKILL DEVELOPMENT PROGRAMS OF CSIR-IICB Under CSIR-Integrated Skill Initiative

CSIR-Indian Institute of Chemical Biology (CSIR- IICB), Kolkata, is one of the premier biomedical research laboratories in India under the umbrella of Council of Scientific and Industrial Research (CSIR). CSIR-IICB has started the CSIR-Integrated Skill Initiative program under the aegis of " Skill India" mission of Government of India by offering number of skill development courses. The courses are aimed at enabling the unskilled Chemical and Biological Science graduates and postgraduates to acquire necessary skills to become highly skilled workforce in India.

Offered training Courses

- Clinical Biochemistry, Microbiology, and Pathology Techniques for Biomedical applications
- Advanced Bioinformatics
- High-end equipments for clinical applications- Flow Cytometry
- High-end equipments for clinical applications-Optical Microscopy
- Separation Techniques (Organic molecules)
- High Performance Liquid Chromatography
- Molecular Cloning, Protein Expression and Structural Characterization
- X-Ray Crystallography-Small molecules
- NMR Spectroscopy
- Real time RT-PCR
- Liquid Chromatography – Mass Spectrometry
- Gas Chromatography – Mass Spectrometry
- Techniques for 3D structure reconstruction from Cryo EM dataset of biological samples

HIGHLIGHTS

- Scientific skill enabled training to maximise competency development and technically inclined with certifications and hands-on experience.
- Training with high end R&D laboratory by expert faculty members.
- Both Theoretical and Practical Session (as per the course curriculum)
- Small group for individual attention
- Evaluation based on Theory and Practical
- Theoretical Session through Webinar

Important Details

- Online Application: 13th May to 02nd June 2025 (5pm)
- Course Fee: Rs 5000/- to Rs 6,000/- (Inclusive of GST) (as per course chosen by candidate)
- Training Session Duration: For RTPCR: 01 week (23rd June to 27th June 2025) For Other Courses: 2 weeks (16th June to 27th June 2025) excluding Saturdays & Sundays
- Qualification: UG or PG (in any branch of Science/Technology/Pharmacy)(Pursuing/ Completed degree) (as per course chosen by candidate)
- For selected candidates only: Submission of Course fee by bank transfer from 06th June to 10th June 2025
- For waiting candidates (if declared): Submission of Course fee by bank transfer from 11th to 14th June 2025
- No accommodation will be provided
- Non-refundable fees once paid
- Refunds to the enrolled candidates will be made by the institute in case of cancellation of the course due to low batch strength

Candidates interested in the above course(s) need to apply through online (<https://iicb.res.in/sdp>)


For admission - Besides educational eligibility requirements, Candidate must have received at least single dose of COVID vaccine approved by Govt of INDIA

Necessary permission should be provided by Employer/Director/Manager/CEO/Principal/DEAN/HOD (wherever applicable) in the prescribed format (Available in website).


Candidates will not be provided TA/DA for participation in the courses.

Selected participants have to make payment by Online Transfer through payment portal provided at website.

For other queries, please send email to artigrower@iicb.res.in or call at 03324995915



कौशल भारत - कुशल भारत





PRE-CLINICAL SAFETY TESTING FOR REGULATORY SUBMISSION - AN OVERVIEW

Program Coverage:-

- Basics of GLP Principles
- General concept of ADME: Passive transport, active transport, facilitated diffusion
- CCSEA and IAEC requirements
- Selection of appropriate toxicity/safety studies, test system, dose, and route of exposure
- Basics of toxicity studies and their different types
- Introduction to alternate animal models.
- Visit and Observation of operational activities in laboratories.

June 23 - July 04, 2025
(02 weeks)
9:30 AM ONWARDS







Course Fee:
For Academia - Rs. 5000/-
For Industry - Rs. 12000/-

Eligibility:
B.Sc in Biological Sciences


Course Coordinator:
Dr. Akshay Dwarakanath
Dr. Dharendra Singh

Last date of registration- June 13, 2025

SCAN HERE FOR PAYMENT- 

CLICK/SCAN HERE TO REGISTER 

<https://iitr.res.in/En/SDP.aspx>

Share 

Venue
CSIR- IITR
CRK CAMPUS

COURSE FEE IS ONLY FOR IMPARTING TRAINING. ADDITIONALLY, WHEREVER APPLICABLE, CANDIDATES HAVE TO MAKE THEIR OWN ARRANGEMENTS (RELATED TO LODGING/BOARDING, TRAVEL, LOCAL TRANSPORTATION, ETC.) AND BEAR THOSE EXPENSES ON THEIR OWN. THE FEE ONCE PAID IS NOT REFUNDED, UNLESS THE COURSE IS CANCELLED.

DO NOT BOOK YOUR TICKETS UNTIL WE SEND YOU A CONFIRMATION MAIL FROM OUR SIDE

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH, (CSIR-IITR) INDUSTRIAL ESTATE, SAROJINI NAGAR LKO, UTTAR PRADESH, 226401

Training for whom

The programme gives knowledge, competency and hands on experience to fresh degree/diploma holders for the operation of sophisticated equipments. After the successful completion of the course, the candidate may be able to apply for various scientific and technical positions in different organizations and colleges spread across the country.

Methods of Teaching

The theory classes will be taught in English. Smart classroom tools will be used for conducting theory classes and course materials will be given to candidates. Hands on experience in operation and maintenance of sophisticated instruments will be done at the state-of-the-art laboratories.

Faculty

The scientists will teach the theory and take practical classes for the enrolled students.

Selection Procedure

The selection will be purely based on merit and reservation of seats as per GOI rules. The list of shortlisted candidates will be published in the website. The selection of sponsored candidates will be done separately.

Payment Details

The list of selected candidates for different courses will be published in the CSIR NIIST website and they will be intimated by e-mail and the payment to the proposed course should be made by drawing a DD in favour of Director, CSIR-NIIST, payable at Thiruvananthapuram.

The Director,
CSIR-NIIST (Regional Research Laboratory)
Account No: 67047723825
IFSC Code: SBIN0070030
Bank : State Bank of India, Pappanamcode Industrial Estate

Sponsorship

Industries, non-profit making social organizations, state and central Government organizations, academic institutions are welcome to sponsor candidates of their interest.

Vision

Envision new challenges and opportunities in areas of core strength of the institution and thereby emerging as:

- Institution of international reputation through symbiotic alliance with industries and academia for high impact science, techno commercially important IP, technologies and products with direct impact on society.
- Pioneers in delivering innovative, cost competitive and environmentally acceptable processing technologies based on the expertise in functional materials, agro-products, bioactive molecules and mineral processing.
- Center of Excellence for advanced materials in energy, security, diagnostics and strategic applications.
- Consultant and service provider to MSMEs and industries thus becoming a solution provider to societal and environmental issues such as (air/water) pollution, waste

Mission

To remain as a dynamic, vibrant and responsive public organization serving public, private, social and strategic goods through Interdisciplinary research areas of Chemical Science & Technology, Agro-processing & Technology, Microbial Processes and Technology, Environmental Technology and Phytopharmaceuticals & drug intermediates

Course Objectives

The course targets graduates and diploma holders in various disciplines of Science and Engineering. Basic knowledge generation, hands on experience in operation and maintenance of sophisticated equipment's are the highlights of the course. The aim is to develop qualified manpower to cater to the needs of scientific organizations and industries.

Technical Expertise

- Agro-processing and Technology
- Microbial Processes and Technology
- Chemical Sciences and Technology
- Materials Science and Technology

Salient Features of the Course

- Theory : Practical = 25:75
- Small groups for individual attention
- Lectures assisted with modern teaching tools
- Troubleshooting related to instruments
- Facilitates in better interpretation of the results and communication of the same to the end users
- Interactive sessions, group discussions



CSIR-NIIST
THIRUVANANTHAPURAM

Council of Scientific & Industrial Research (CSIR),
National Institute for Interdisciplinary Science and Technology (NIIST),
Ministry of Science and Technology, Govt of India.



CSIR Integrated Skill Initiative

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26

APPLY ONLINE : <http://sdp.niist.res.in>



<https://www.niist.res.in/csir-skill-initiative>

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26	SKILL DEVELOPMENT TRAINING CALENDAR 2025-26	SKILL DEVELOPMENT TRAINING CALENDAR 2025-26
<p>Diffraction & Microscopy Techniques for Material Characterization</p> <p>Duration : 10 Days Start Date : June 2025 Fees : Rs. 7500 Mode : Offline</p>	<p>Remote Sensing and GIS Applications in Environmental Impact Assessment and Management</p> <p>Duration : 5 days Start Date : August - September 2025 Fees : Rs. 1500 (Students) Mode : Online Rs. 5000 (Sponsored)</p>	<p>Synthetic Organic Chemistry - Hands-on Training on Fundamentals and Specialized Reactions</p> <p>Duration : 2 Months Start Date : October - November 2025 Fees : Rs. 15,000/- Mode : Offline</p>
<p>Spectroscopic Techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy) for Researchers</p> <p>Duration : 2 days Start Date : May 2025 Fees : As part of SSR of CRG Project Mode : Offline</p>	<p>Printed Electronics Based Advanced Device Fabrication</p> <p>Duration : 2 days Start Date : August 2025 Fees : Rs. 1500 (students) Mode : Offline Rs. 3000 (Industry)</p>	<p>Catalysing Careers: Opportunities in Chemical, Pharmaceutical, and Life Sciences</p> <p>Duration : 1 Day Start Date : October 2025 Fees : Rs.1000 Mode : Online</p>
<p>Research-linked Innovative Learning Techniques for High School and Higher Secondary School Students from Rural Villages</p> <p>Duration : 3 Months Start Date : May 2025 - March 2026 Fees : As part of CSR activities of Mode : Offline * Four batches of MC Deen Systems Private India Limited 25 No's each (Applied for Funds)</p>	<p>Workshop on Atomic Absorption Spectrophotometer (AAS)</p> <p>Duration : 3 days Start Date : August or September 2025 Fees : Rs. 1000 Mode : Offline</p>	<p>Mechanical Testing and Thermal Characterisation</p> <p>Duration : 10 Days Start Date : November 2025 Fees : Rs. 3000 Mode : Offline</p>
<p>Career Guidance and Soft-Skill Training Program for High School & Higher Secondary School Students from Rural Villages</p> <p>Duration : 1 Day Start Date : May 2025 - March 2026 Fees : As part of CSR activities of Mode : Offline MC Deen Systems Private India Limited (Applied for Funds)</p>	<p>Value Addition of Fruits and Vegetables</p> <p>Duration : 3 Days Start Date : August 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500, Industry- Rs. 10,000</p>	<p>Food Packaging</p> <p>Duration : 10 Days Start Date : November 2025 Fees : 10,000/-+GST Mode : Offline</p>
<p>Advanced Metal Casting and Manufacturing Technology</p> <p>Duration : 3 days Start Date : June 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Techniques of Phytochemical Profiling & Characterization</p> <p>Duration : 1 Month Start Date : August - September 2025 Fees : Rs. 5000 Mode : Offline</p>	<p>Training Program On Comprehensive Herbal Drug Development</p> <p>Duration : 5 Days Start Date : November 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500, Industry- Rs. 10,000</p>
<p>Course on Circular Economy and Sustainable Technologies</p> <p>Duration : 2 days Start Date : June 2025 (1st Session) Fees : Rs. 5000 Mode : November 2025 (IInd Session) Offline</p>	<p>Characterization of Plant Based Proteins for Sustainable Food Formulation</p> <p>Duration : 5 Days Start Date : August / September 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Hands on Training In Immunology Techniques and qPCR</p> <p>Duration : 5 Days Start Date : November 2025 Fees : Rs. 3000/- Mode : Offline</p>
<p>Structure Elucidation of Organic Molecules by NMR</p> <p>Duration : 5 days Start Date : June 2025 Fees : Rs. 10,000 Mode : Offline</p>	<p>Surface Engineering and Corrosion</p> <p>Duration : 3 days Start Date : September 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Application of process engineering in Sustainable Energy & Environmental Management</p> <p>Duration : 1 Day Start Date : November 2025 Fees : Student/Research : Rs. 1,000/- Faculty- Rs. 2,000/-; Industry personal:Rs. 3,000/-</p>
<p>Introduction to Industrial Adhesives</p> <p>Duration : 2 days Start Date : July 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Magnetic Characterisation Using PPMS</p> <p>Duration : 2 days Start Date : September 2025 Fees : Rs. 1500 (students) Mode : Offline Rs. 3000 (Industry)</p>	<p>Environmental Microbiology Techniques and Biosafety Practices</p> <p>Duration : 2 days Start Date : December 2025 Fees : Rs. 1500 Mode : Offline</p>
<p>Hands-On Training In Bacterial Outer Membrane Vesicles (OMVs) Isolation & Basic Molecular Biology Techniques</p> <p>Duration : 5 days Start Date : July 2025 Fees : Rs. 2500 Mode : Offline</p>	<p>Advanced Skill Training on Spectroscopic techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy)</p> <p>Duration : 10 Days Start Date : Sep 2025 & Dec 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Basic Training on Spectroscopic techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy)</p> <p>Duration : 10 days Start Date : Jan - Feb 2026 Fees : Rs. 3000 Mode : Offline</p>
<p>Phytochemical Analysis and Characterization Using Chromatographic Techniques</p> <p>Duration : 4 days Start Date : July 2025 Fees : Students: Rs. 3,500 Mode : Offline Faculty - Rs. 5,000, Industry- Rs. 6000</p>	<p>Nutritional Analysis (Includes Proximate, HPLC, GC)</p> <p>Duration : 1 Month Start Date : September 2025 Fees : Rs. 10,000/- Mode : Offline</p>	<p>Training Programme on Analysis of Fats and Oils</p> <p>Duration : 3 Days Start Date : January 2026 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500 Industry- 10,000</p>
<p>Algal Lipidomics: Scaleup and FAME Profile by GC-MS</p> <p>Duration : 5 days Start Date : 27 - 31 August 2025 Fees : Rs. 5000 (Academia) Mode : Offline Rs. 7500 (Industry)</p>	<p>Training Program on Baking Technology</p> <p>Duration : 3 Days Start Date : September 2025 Fees : Rs. 3000 Mode : Offline</p>	<p>Construction of Genetically Engineered Microorganism</p> <p>Duration : 5 Days Start Date : January 2026 Fees : Rs. 10,000 /- Rs. 15,000 Mode : Offline for Sponsored Candidates</p>
<p>Intellectual Property Rights, Patents and Practice</p> <p>Duration : 3 Months Start Date : August 2025 Fees : Rs. 3000 /- Mode : Offline (Only for students of CSIR-NIIST)</p>	<p>Value Addition of Spices</p> <p>Duration : 3 Days Start Date : October 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500, Industry- Rs. 10,000</p>	<p>Soil Gel Synthesis and Coatings</p> <p>Duration : 5 Days Start Date : January 2026 Fees : Rs. 5,000 Mode : Offline</p>

Skill Development Training Calendar 2025-26
CSIR-National Physical Laboratory, New Delhi

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. 110018428. 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 participant 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.I 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: 011-45609362
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 pk.saini@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, Plagism 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

NEWS CLIPPINGS

न्यूज़ क्लिपिंग

Apprenticeship Schemes Set for 36% Stipend Hike

Amount will also be revised biennially based on changes in consumer price index

Our Bureau

Drawing More Candidates
Hike applies to PM-National Apprenticeship Promotion Scheme (PM-NAPS) and National Apprenticeship Training Scheme (NATS)

Monthly stipend to rise from ₹5,000-9,000 to ₹6,800-12,300

This is expected to reduce dropout rates, attract more apprentices

Centre contributes 50% of NATS stipend, 25% of PM-NAPS

New Delhi: The Centre has proposed a 36% increase in stipend under the PM-National Apprenticeship Promotion Scheme (PM-NAPS) and the National Apprenticeship Training Scheme (NATS) and recommended periodical revision based on the consumer price index. The proposals, once approved by the cabinet, would increase the monthly stipend to ₹6,800-12,300 as against the existing ₹5,000-9,000 and bring in biennial revision in stipend rates. The decision was taken at the 38th meeting of the Central Apprenticeship Council (CAC) under Jayant Chaudhary, minister of state (independent charge), skills development and entrepreneurship. "The aim is to reduce dropout rates and attract more candidates to undertake apprenticeship training," the Ministry of Skills Development and Entrepreneurship (MSDE) said in a statement issued after the meeting. As per the statement, the stipend is proposed to be automatically adjusted biennially based on changes in the consumer price index (CPI), aligning with the salary increment scale in public sector jobs.

framework, we are actively reforming the system to make it more inclusive, responsive, and aspirational." NATS, for which the government contributes 50% of the stipend, is administered by the education ministry while PM-NAPS—where the Centre currently pays 50% or 25% of the stipend—is run by the MSDE. Since 2020-21, 3.55 million apprentices have been engaged under NAPS while 1.29 million have been engaged under NATS, taking the total number to 4.84 million in five years.

राजस्थान राज्य भारत स्काउट व गाइड स्थानीय संघ, कोटपूतली ग्रीष्म कालीन कौशल विकास एवं अभिरुचि शिविर

दिनांक : 17 मई 2025 से 28 जून 2025 तक समय : प्रातः 7.30 बजे से 12.30 बजे तक

स्थान : सरदार राजकीय उ.मा. विद्यालय, कोटपूतली

समावेदन मातृभाषा में

बालक/बालिकाओं एवं महिलाओं में धर्म के प्रति सही ज्ञान देना, एक प्रतिस्पर्धी द्वारा उत्कृष्ट नृपणात्मक प्रतिष्ठा उपलब्ध करवाना, स्वरोजगार का प्रतिष्ठान प्रदान करना, प्रतिष्ठान प्रदान करने वाले बालक/बालिकाओं को स्काउट गाइड नियम से जोड़ने हुए आगबिजली, ग्यारहसब, स्वरोजगार, छात्री सभा में नृत्यप्रकार एवं समाज एवं राष्ट्र के प्रति सार्वभौमिक बोध की दृष्टि में राजस्थान राज्य भारत स्काउट गाइड के एक शिविर में बालक/बालिकाओं एवं महिलाओं को प्रवेश दिनांक समय ही संपन्न करें।

महोदय, नितलाई, हारमोनियम, योगा, नृत्यकला, स्पोर्ट्स, शतरंज, ENGLISH SPOKEN, पेंटिंग, जूडो/ कराटे

फीस : प्रतिदिन 30/- (अतिरिक्त) प्रतिदिन भोजन शुल्क - 100/- प्रतिदिन निवास शुल्क - 200/- प्रतिदिन विकास शुल्क - 200/- कुल फीस - 530/-

12 दिवसीय कौशल विकास कैंप शुरू

■ NBT रिपोर्ट, साहिबाबाद : साहिबाबाद स्थित स्वामी विवेकानंद सरस्वती विद्या मंदिर में 12 दिवसीय कौशल विकास शिविर का शुभारंभ हुआ। मुख्य अतिथि विद्या भारती मेरठ प्रांत के संगठन मंत्री प्रदीप गुप्ता एवं विद्या भारती कौशल विकास प्रभाग के प्रमुख जैन पाल जैन रहे। कार्यक्रम सरस्वती वंदना व गणेश स्तुति से प्रारंभ हुआ। उप प्रधानाचार्य रमा शर्मा ने बताया कि शिविर में 30 कौशल मॉड्यूल व शैक्षणिक दृष्टिकोण शामिल हैं।

DSEU इस सेशन स्टूडेंट्स के लिए लाएगी 40 नए कोर्स

Katyayani.Upreti @imesofindia.com

■ नई दिल्ली: दिल्ली स्कूल एंड आंत्रप्रेन्योरशिप यूनिवर्सिटी (डीएसईयू) नए सेशन 2025-26 से अपने-अपने अलग-अलग कैंपस में 40 नए कोर्स शुरू कर रहा है। पिछले साल भी यूनिवर्सिटी ने कई कोर्स लॉन्च किए मगर कई कोर्सों में उसे स्टूडेंट्स नहीं मिले और वो बंद रहे। इस साल यूनिवर्सिटी प्रशासन का कहना है कि वो इंटरमीडिएट, अपग्रेड करिकुलम और इंटरमीडिएट डिमांड को देखकर कई सर्टिफिकेट से लेकर पीजी लेवल के कोर्स ला रही है। यूनिवर्सिटी (dseu.ac.in) अपने 83 कोर्सों में मई के आखिरी हफ्ते दाखिला प्रक्रिया शुरू कर सकती है।

‘इंटरमीडिएट डिमांड पर लाए जा रहे हैं कोर्स’: डीएसईयू के वीसी प्रोफेसर अशोक नगावत बताते हैं, अभी 43 कोर्स चल रहे हैं। पिछले साल हमें करीब 4500 स्टूडेंट्स मिले और इस साल हम चाहते हैं कि संख्या 7500 तक पहुंचे। इस साल हम 83 कोर्स के लिए एडमिशन थ्रिडो खोलेंगे। नए प्रोग्राम की लिस्ट में बीएस एनवायरमेंट साइंस, बीएस फैसिलिटी एंड इन्फ्रास्ट्रक्चर मैनेजमेंट, बीएस आंत्रप्रेन्योरशिप, एमएस सरस्टेनिबिलिटी साइंसेज, पीजी डिप्लोमा - सेमिकंडक्टर चिप डिजाइन एंड फैब्रिकेशन भी नए कोर्स में शामिल हैं।

ईवनिंग बैच की होगी शुरुआत

इस साल यूनिवर्सिटी पांच नए ईवनिंग बैच के कोर्स शुरू कर रही है, जो प्रोफेशनल्स के लिए होंगे। इनमें इवेंट मैनेजमेंट, डेटा एनालिटिक्स एंड पब्लिक पॉलिसी, एआई एंड इंटेलिजेंट सिस्टम्स में पीजी डिप्लोमा और एमबीए फाइनेंस शामिल हैं। प्रो. नगावत बताते हैं, यह अपरिक्लिग कोर्स है। AI से जोड़ते हुए भी कई कोर्स हैं जैसे AI इन ऑफिस ऑपरेशंस में यूजी सर्टिफिकेट कोर्स, वीबीए ऑफिस मैनेजमेंट (AI डिवन), AI एंड इंटेलिजेंट सिस्टम्स (ईवनिंग बैच)।

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