

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- CDRI, Lucknow conducted a Certificate Course on Skill Development in “Care, Management of Laboratory Animals & Experimental Techniques” during 15th May – 5th June 2025. The three-week intensive program empowered participants with hands-on skills and theoretical insights vital to laboratory animal care and experimental practices. The convocation ceremony marked the culmination of a small journey in scientific learning, excellence, and collaboration. A total of 20 participants attended the programme.



CSIR- CRRI, New Delhi conducted a training programme on “Road Safety Audit & Associated Safety Aspects” for Engineers of Tripura at Agartala during 2nd - 6th June 2025 sponsored by State Institute of Public Administration & Rural Dev (SIPARD). A total of 41 participants attended the programme.



CSIR-CECRI, Karaikudi conducted a Training Program on “Electroplating and Metal Finishing” during 09th to 13th June, 2025, under the aegis of the CSIR Integrated Skill Initiative. This programme aimed latest knowledge in Electroplating, a metal finishing process in which a thin layer of metal is deposited onto a conductive surface using an electric current. A total of 57 participants from various parts of Tamil Nadu attended this training program.

The program was inaugurated by Dr. C. Naveen Kumar, Principal Scientist and Head of Electroplating and Electrometallurgy at CSIR-CECRI, Karaikudi. The event was coordinated and hosted by Dr. S.M. Rajendran, Chief Scientist and Nodal Officer, CSIR-ISI. The welcome address was followed by an overview of the Rural Training Centre’s (RTC) training activities, presented by Mrs. G. Alamelu, Director of RTC, Amaravathipudur. The program was technically convened by Dr. N. Rajasekaran, Senior Scientist, who also delivered a lecture on the ongoing training initiatives. A formal vote of thanks was proposed by Dr. C. Jeyabharathi, Senior Scientist. Several faculty members were present during the inaugural function, adding to the significance of the occasion.






CSIR- NCL, Pune conducted a Program (SDP) on “Mass Spectrometry-based Proteomics” during April 1st - May 30th, 2025 and trained two students. This SDP workshop provided an introduction to various technologies in proteomics, including peptide mapping, protein identification, characterization of post-translational modifications, and quantitative proteomics approaches such as iTRAQ, SILAC, SWATH, MRM, and PRM. The program was successfully coordinated by Dr. Mahesh Kulkarni and Dr. Nilakshi Sadavarte, along with their dedicated team. Dr. Rajesh Gonnade, Nodal Head at CSIR-NCL, extended his full support throughout the course. Special thanks was extended to CSR sponsors, Envalior and CSIR-SDP, for their generous financial support, which was instrumental in the smooth execution of the program.



UPCOMING EVENTS

आगामी आयोजन

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!







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 experimentations and lectures on tissue collection, DNA isolation, genotyping, biochemical analyzers, microbial contamination detection and preventions.

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 (Hbs, ALP, Albumin, SGPT, etc.) to assess the genotype or genetic contamination
- Tissue collection, DNA & RNA isolation, Complementary 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 scrapping 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. Jerali 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



Skill Development Program
On
Basic Techniques in Animal Cell Culture
04th to 8th August 2025

CSIR-Center for Cellular and Molecular Biology shall conduct a 5-days hands-on training workshop on 'Basic Techniques in Animal Cell Culture'(BTACC-4) targeted to faculty/ researchers 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 in animal cell culture using the human/cancer cell lines for various experiments. It will be supported by lectures on basic cell culture techniques, media preparation, gene/protein expression, and cancer cells.

Duration	: 05 days
No. of seats	: 06
Target Audience	: Faculty/ Researcher from Academia/Industries/ Institutes
Minimum Qualification	: Masters in any branch of Life Science/Allied areas
Dates	: 04 th to 08 th August 2025
Mode of the Course	: In-house training at CCMB
Mode of selection	: Application form & Statement of Purpose
Course Fee	: Rs.18000/- including GST & Accommodation
Apply using the link	: http://recruitment.ccmb.res.in/training_programs/sdp/

Training Curriculum for Course: (includes lectures and hands-on sessions)

- Overview of cell culture laboratory, equipment, and applications
- Description of tissue culture area design & required equipment
- Importance of sterility
- Do's & Don'ts in a Tissue culture lab

Hands-on:

- Aseptic techniques and good cell culture practice (GCCP)
- Animal cell culture techniques, passaging and maintenance of cell lines
- Preparation of medium and sterility testing
- Cryopreservation (freezing and thawing of cell lines)
- Sub-culturing, determination of confluency, cell counting, and viability testing

Demos:

- Demonstration of different cell types and culture procedures.
- Transfection electroporation of cells
- Cell fusion techniques and collection of feeder cells (macrophages).
- Demonstration of protein expression by transfection through immunofluorescence.
- Mycoplasma testing, MIT Assay
- Hybridoma Technology


Salient Features of the Training:

- Skilled resource persons will provide lectures and laboratory training
- Certificate of participation will be issued to the participants
- Exposure to laboratory safety regulations

Training Coordinator: Mrs. Zarema Begum
Principal Technical Officer
Tissue Culture Facility
CSIR-CCMB, Hyderabad

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

Scan to Apply







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



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

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 : Ra.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 atleast 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".

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)

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

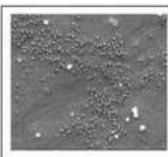
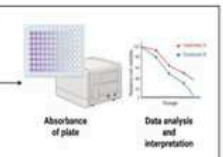
Target Audience: Students, Scientists, Researchers, Aspiring IP Professionals, Professors

Carbohydrates as capping for metal nanoparticles and their in vitro cytotoxicity analysis

Program Coverage

- ▲ Skills in the wet chemical process of synthesising metal nanoparticles
- ▲ Understanding the role of carbohydrates as stable capping for metal nanoparticles
- ▲ Hands-on training for participants on nanoparticle synthesis in the solution phase
- ▲ Protocols for synthesising metal nanoparticles using functional carbohydrates
- ▲ Introduction to mammalian cell culture and in vitro assays for toxicity evaluation
- ▲ Evaluation of the toxicity of silver nanospheres via MTT/Alamar Blue assays

July 03-04, 2025

- Eligibility:- B.Sc./M.Sc./B.Tech/M.Tech/Ph. D in Life sciences /Nanotechnology or chemical sciences/Forensic Science
- Course Fee:- For academia- Rs.3000/- For industry- Rs.5000/-
- Time :- 9:30 AM-5:30 PM
- Venue:- CSIR-IITR, M. G. Marg, Lucknow

Last Date of Registration - 22.06.25

Benefits of Workshop:

- ✓ Easy protocols for handling and forming nanoparticles in solution
- ✓ Potential of carbohydrates role in nanotechnology and further use in diagnostics and translational research for futuristic applications
- ✓ Impact of nanoparticles on exposure to cancer cells and their cytotoxicity



COURSE COORDINATORS
Dr. R. Raja Gopal
Dr. Pradeep K. Sharma

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

SCAN HERE FOR PAYMENT-

STUDENT COORDINATORS
Monika Yadav - 7905199463
Sadiya Zafar - 9838608758



Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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 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 you get a confirmation mail from our end.

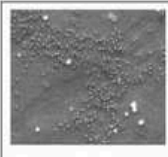
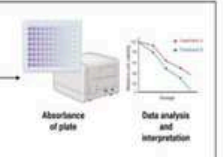
CSIR-Indian Institute of Toxicology Research, (CSIR-IITR) Vishvgyan Bhawan, 31 Mahatma Gandhi Marg, Lucknow-226001

Synthesis and In vitro Toxicity Analysis of Gold Nanoparticles using Eco-Friendly Cappings

Program Coverage

- ▲ Skills in the wet chemical process of synthesising metal nanoparticles
- ▲ Understanding the role of carbohydrates as stable capping for metal nanoparticles
- ▲ Hands-on training for participants on nanoparticle synthesis in the solution phase
- ▲ Protocols for synthesising metal nanoparticles using functional carbohydrates
- ▲ Introduction to mammalian cell culture and in vitro assays for toxicity evaluation
- ▲ Evaluation of the toxicity of silver nanospheres via MTT/Alamar Blue assays

July 03-04, 2025

- Eligibility:- B.Sc./M.Sc./B.Tech/M.Tech/Ph. D in Life sciences /Nanotechnology or chemical sciences/Forensic Science
- Course Fee:- For academia- Rs.3000/- For industry- Rs.5000/-
- Time :- 9:30 AM-5:30 PM
- Venue:- CSIR-IITR, M. G. Marg, Lucknow

Last Date of Registration - 22.06.25

Benefits of Workshop:

- ✓ Easy protocols for handling and forming nanoparticles in solution
- ✓ Potential of carbohydrates role in nanotechnology and further use in diagnostics and translational research for futuristic applications
- ✓ Impact of nanoparticles on exposure to cancer cells and their cytotoxicity



COURSE COORDINATORS
Dr. R. Raja Gopal
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CSIR-Indian Institute of Toxicology Research, (CSIR-IITR) Vishvgyan Bhawan, 31 Mahatma Gandhi Marg, Lucknow-226001




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)




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

COURSE COORDINATOR
Ms. Mirat ul Fatima
Dr. Ravi Ram Kristipati

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

SCAN HERE FOR PAYMENT-




STUDENT COORDINATORS
Monika Yadav - 7905199463
Sadiya Zafar - 9838608758

Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236




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CSIR-Indian Institute of Toxicology Research, (CSIR-IITR) Vishvgyan Bhawan, 31 Mahatma Gandhi Marg, Lucknow-226001






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- IITH PASS

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

LAST DATE OF REGISTRATION- 27.06.25

VENUE- CSIR_IITR, M. G. Marg



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

SCAN HERE FOR PAYMENT-




COURSE COORDINATORS
DR. ALAN K. PANDEY - SENIOR PRINCIPAL SCIENTIST
DR. VIKAS SHIVATAYA - PRINCIPAL SCIENTIST

STUDENT COORDINATORS
Monika Yadav - 7905199463
Sadiya Zafar - 9838608758

Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

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CSIR- Indian Institute of Toxicology Research, (CSIR- IITR) Vishvgyan Bhawan, 31 Mahatma Gandhi Marg, Lucknow- 226001



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

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)

Resource Persons

1. **Dr. T.P.D. Rajan**, Chief Scientist, CSIR-NIIST
2. **Dr. A. Srinivasan**, Sr. Principal Scientist, CSIR-NIIST
3. **Dr. Sreeja Kumari S. S.**, Principal Scientist, CSIR-NIIST
4. **Er. Venkatesan J.**, Sr. Scientist, CSIR-NIIST
5. **Dr. Parijat Pallab Jana**, Scientist, CSIR-NIIST

Account Details

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

Course Coordinator

Dr. A. Srinivasan
Senior Principal Scientist

Participation certificate will be issued

CONTACT US

0471 - 2515248, 2515326

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

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



CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

Drug Polymorphism and Pharmaceutical Multicomponent Solids

<https://nclsdpc.ncl.res.in/>



ABOUT COURSE

Polymorphic salts, hydrates, cocrystals and eutectics are diverse crystalline forms of the same molecule. The choice of one or the other form depends on the physico-chemical properties, such as solubility, stability, bioavailability, etc. This course is designed to provide a comprehensive understanding of the various aspects of drug polymorphism, cocrystals, hydrates, and eutectics. The course will cover the fundamental principles, characterization techniques, and the role of these forms in drug development and formulation.

PRIME INSTRUCTOR & TEAM

Dr. Rajesh Gonnade
Dr. Manish Mishra

COURSE CONTENT

Introduction to different solid forms, solid state properties of pharmaceutical systems, characterization and XRD, DSC, TGA, IR, and other spectroscopic techniques for polymorphic, salt and cocrystal. Thermodynamics of different solid forms, structure-property relationship, stability, characterization methods for polymorphic, salt and cocrystal. DSC, IR, XRD, TGA, IR and other solid state spectroscopic techniques. Crystal structure, polymorphism, cocrystals, hydrates, eutectics, salt and other solid state forms.

COURSE DETAILS

Duration: 2 Weeks
Dates: 09th July to 22nd July 2026
No. of Seats: 25
Eligibility: M.Sc. / M.Pharm. / Life Science
Course Fees: Students - 10000/-
Academic Researchers - 25000/-
Industrial Professionals - 50000/-
(The fees include tuition, lab, DSC, and other materials. 2 weeks of 7.5 hours per day will be provided in classroom.)

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
- Networking

<https://nclsdpc.ncl.res.in/>

ncl.sdct@ncl.res.in

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



CSIR Sponsor

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 equipments 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

Saileent 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
Diffraction & Microscopy Techniques for Material Characterization Duration : 10 Days Start Date : June 2025 Fees : Rs. 7500 Mode : Offline	Remote Sensing and GIS Applications in Environmental Impact Assessment and Management Duration : 5 days Start Date : August - September 2025 Fees : Rs. 1500 (Students) Mode : Online Rs. 5000 (Sponsored)	Synthetic Organic Chemistry – Hands-on Training on Fundamentals and Specialized Reactions Duration : 2 Months Start Date : October - November 2025 Fees : Rs. 15,000/- Mode : Offline
Spectroscopic Techniques (FT-IR, UV Vis & Fluorescence Spectroscopy) for Researchers Duration : 2 days Start Date : May 2025 Fees : As part of SSR of CRG Project Mode : Offline	Printed Electronics Based Advanced Device Fabrication Duration : 2 days Start Date : August 2025 Fees : Rs. 1800 (students) Mode : Offline Rs. 3000 (Industry)	Catalysing Careers: Opportunities in Chemical, Pharmaceutical, and Life Sciences Duration : 1 Day Start Date : October 2025 Fees : Rs. 1000 Mode : Online
Research-linked Innovative Learning Techniques for High School and Higher Secondary School Students from Rural Villages Duration : 3 Months Start Date : May 2025 – March 2026 Fees : As part of CSR activities of Mode : Offline * Four batches of MC Dean Systems Private India Limited 25 No's each (Applied for Funds)	Workshop on Atomic Absorption Spectrophotometer (AAS) Duration : 3 days Start Date : August or September 2025 Fees : Rs. 1000 Mode : Offline	Mechanical Testing and Thermal Characterisation Duration : 3 days Start Date : November 2025 Fees : Rs. 3000 Mode : Offline
Career Guidance and Soft-Skill Training Program for High School & Higher Secondary School Students from Rural Villages Duration : 1 Day Start Date : May 2025 – March 2026 Fees : As part of CSR activities of Mode : Offline MC Dean Systems Private India Limited (Applied for Funds)	Value Addition of Fruits and Vegetables Duration : 3 Days Start Date : August 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty : Rs. 7,500, Industry- Rs. 10,000	Food Packaging Duration : 10 Days Start Date : November 2025 Fees : 10,000/-+GST Mode : Offline
Advanced Metal Casting and Manufacturing Technology Duration : 3 days Start Date : June 2025 Fees : Rs. 3000 Mode : Offline	Techniques of Phytochemical Profiling & Characterization Duration : 1 Month Start Date : August - September 2025 Fees : Rs. 5000 Mode : Offline	Training Program On Comprehensive Herbal Drug Development Duration : 5 Days Start Date : November 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500, Industry- Rs. 10,000
Course on Circular Economy and Sustainable Technologies Duration : 2 days Start Date : June 2025 (1 st Session) Fees : Rs. 5000 Mode : November 2025 (2 nd Session) Offline	Characterization of Plant Based Proteins for Sustainable Food Formulation Duration : 5 Days Start Date : August / September 2025 Fees : Rs. 3000 Mode : Offline	Hands on Training In Immunology Techniques and qPCR Duration : 5 Days Start Date : November 2025 Fees : Rs. 3000/- Mode : Offline
Structure Elucidation of Organic Molecules by NMR Duration : 5 days Start Date : June 2025 Fees : Rs. 10,000 Mode : Offline	Surface Engineering and Corrosion Duration : 3 days Start Date : September 2025 Fees : Rs. 3000 Mode : Offline	Application of process engineering in Sustainable Energy & Environmental Management Duration : 1 Day Start Date : November 2025 Fees : Student/Research : Rs. 1,000/- Mode : Offline Faculty- Rs. 2,000/-, Industry person:Rs. 3,000/-
Introduction to Industrial Adhesives Duration : 2 days Start Date : July 2025 Fees : Rs. 3000 Mode : Offline	Magnetic Characterisation Using PPMS Duration : 2 days Start Date : September 2025 Fees : Rs. 1500 (students) Mode : Offline Rs. 3000 (Industry)	Environmental Microbiology Techniques and Biosafety Practices Duration : 2 days Start Date : December 2025 Fees : Rs. 1500 Mode : Offline
Hands-On Training In Bacterial Outer Membrane Vesicles (OMVs) Isolation & Basic Molecular Biology Techniques Duration : 5 days Start Date : July 2025 Fees : Rs. 2500 Mode : Offline	Advanced Skill Training on Spectroscopic techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy) Duration : 10 Days Start Date : Sep 2025 & Dec 2025 Fees : Rs. 3000 Mode : Offline	Basic Training on Spectroscopic techniques (FT-IR, UV Vis & Fluorescence Spectroscopy) Duration : 10 days Start Date : Jan - Feb 2026 Fees : Rs. 3000 Mode : Offline
Phytochemical Analysis and Characterization Using Chromatographic Techniques Duration : 4 days Start Date : July 2025 Fees : Students: Rs. 3,500 Mode : Offline Faculty - Rs. 5,000, Industry- Rs. 6000	Nutritional Analysis (Includes Proximate, HPLC, GC) Duration : 1 Month Start Date : September 2025 Fees : Rs. 10,000/- Mode : Offline	Training Programme on Analysis of Fats and Oils Duration : 3 Days Start Date : January 2026 Fees : Students: Rs. 8,000 Mode : Offline Faculty - Rs. 7,500 Industry- 10,000
Algal Lipidomics: Scaleup and FAME Profile by GC-MS Duration : 5 days Start Date : 27 - 31 August 2025 Fees : Rs. 5000 (Academia) Mode : Offline Rs. 7500 (Industry)	Training Program on Baking Technology Duration : 3 Days Start Date : September 2025 Fees : Rs. 3000 Mode : Offline	Construction of Genetically Engineered Microorganism Duration : 5 Days Start Date : January 2026 Fees : Rs. 10,000 & Rs. 15,000 Mode : Offline for Sponsored Candidates
Intellectual Property Rights, Patents and Practice Duration : 3 Months Start Date : August 2025 Fees : Rs. 3000/- Mode : Offline (Only for students of CSIR-NIIST)	Value Addition of Spices Duration : 3 Days Start Date : October 2025 Fees : Students: Rs. 5,000 Mode : Offline Faculty - Rs. 7,500, Industry- Rs. 10,000	Sol Gel Synthesis and Coatings Duration : 5 Days Start Date : January 2026 Fees : Rs. 5,000 Mode : Offline

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 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. Viswan nviswan@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. Nidha Singh NidhaSingh@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: 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 psaini@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 kumar@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 shivagan@nplindia.res.in

STP-11	Awareness Program on E-waste Management and Recycling	17-18 November, 2025, 2 days		Dr. Parveen Saini pkasaini@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 pkasaini@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, Plagiarism 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

■ North East Apprenticeship Pilot Launched to Boost Youth Skilling



Union Minister Shri Jayant Chaudhary and Mizoram Chief Minister Shri Lalduhoma jointly launched the North East Apprenticeship Pilot Scheme in Aizawl to promote industry-linked, paid skilling opportunities for over 26,000

youth in the region. A total of Rs. 43.94 crore has been allocated for the pilot. A key highlight was the signing of an MoU between NSDC and Welspun Living Ltd. to train 1,000 youth in the textile sector, with at least 50% women participation. The initiative aims to bridge the gap between skill development and real employment. The pilot is part of India's broader mission to make the North East a hub of future-ready, skilled talent, aligned with the vision of *Viksit Bharat @2047*.

■ Central Apprenticeship Council Recommends 30% Hike in Stipend

The Central Apprenticeship Council has recommended a 30% increase in the monthly stipend for youth enrolled under the National Apprenticeship Promotion Scheme (NAPS) and National Apprenticeship Training Scheme (NATS). The proposal was made at the Council's 38th meeting chaired by Skill Development and Entrepreneurship Minister Shri Jayant Chaudhary in New Delhi. Once notified, the stipend will rise from the existing range of Rs. 5,000–Rs. 9,000 to Rs. 6,800–Rs. 12,300. The revision aims to reduce dropout rates and attract more candidates across sectors.

GENERAL EVENTS

सामान्य आयोजन

(Please click on the link to view the details)

- [Karnataka launches district officers' upskilling initiative with Infosys partnership](#)
- [India's skill push empowers over 1.63 crore youth under PMKVY](#)
- [Tata Power Skill Development Institute and Directorate of Employment and Training, Govt of Tamil Nadu partner to launch Solar Skill Centres in ITIs](#)
- [11 years of NDA govt: From tax reforms to urban infra, skill development and education, govt's](#)
- [Empowering futures: OTV Cares and IIG varsity celebrate graduates of skill development program](#)
- [Patanjali Yogpeeth Plans Yoga Center, Biodiversity Park, Skill Training In State](#)
- [Uttarakhand Skill Development: उत्तराखंड बनेगा डिजिटल टैलेंट केंद्र, हुए तीन अहम समझौते](#)
- [Punjab's new skill development push for rehabilitated individuals](#)
- [A new era in skill development begins: Haryana government and Naveen Jindal foundation sign historic MoU](#)
- [Laying emphasis on skill development, CM inaugurates G-NTTF in Gadag](#)
- [PAU hosts conclave of VCs of 5 Pb varsities to foster academic ties](#)
- [CRPF Wraps Up Computer Training Course For Local Youth In Budgam -](#)
- [Bihar Showcases Labour Welfare and Skill Development Schemes at ILO Conference in Geneva](#)
- [MoS for Skill Development and Entrepreneurship Jayant Chaudhary addresses Rising Northeast Investors Summit](#)
- [Customized Skill Development Training for Rural Women organized](#)
- [CM Sukhvinder Sukhu bats for market oriented skill development](#)
- [Over 45,000 youths enrolled in skill development schemes, says Himachal CM](#)
- [Tata Power Skill Development Institute and Directorate of Employment and Training, Govt of Tamil Nadu partner to launch Solar Skill Centres in ITIs](#)
- [Preliminary.online: A Trusted Online Education Platform for Skill Development and Career Advancement](#)
- [U'khand signs agreements in field of social development with Tata Trusts, others](#)
- [Gateway Terminals India launches skill development programme](#)
- [The Directorate General of Training \(DGT\) and Shell India jointly launch the Green Skills-focused EV training program to empower youth](#)
- [Skill Development Ministry empowers 1.5 crore people in a year](#)
- [OpenAI Academy launched in India in partnership with IndiaAI Mission to boost skill development](#)
- [NAGALAND SKILL & ENTREPRENEURSHIP DEVELOPMENT MISSION OFFICIALLY LAUNCHED](#)
- [Maharaja Pradyot Signs UK MoUs to Boost Tripura Education](#)
- [240 ITI students participate in skill training initiative for job opportunities abroad](#)
- [Leap Foundation and Cultus Education Unite to Skill Sri Lankan Youth for Future Jobs](#)
- [Freudenberg expands training centre in Nagapattinam, focus on women's skill development](#)
- [Coromandel International Upgraded Workshop Facility at ITI Atali, Gujarat to Boost Skill Development and Vocational Training](#)

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<https://ncvet.gov.in>

<https://www.education.gov.in>

<https://www.nqr.gov.in>



CSIR-Human Resource Development Centre (Skill Nodal Office)

Sector -19, Central Govt. Enclave,
Kamla Nehru Nagar
Ghaziabad- 201002 (UP) India

e-mail: head[at]csirhrdc[dot]res[dot]in
Tele-Ph.: +91-120-2788940/2785053

सीएसआईआर-मानव संसाधन विकास केंद्र (कौशल नोडल कार्यालय)

सेक्टर -19, केंद्र सरकार एन्क्लेव,
कमला नेहरू नगर
गानियाबाद- 201002 (यूपी) भारत

ई-मेल: head[at]csirhrdc[dot]res[dot]in
टेली-फोन: +91-120-2788940/2785053

हमें फॉलो करें



(CSIR Integrated Skill Initiative)

Detailed Brochure

