

CSIR SKILL BULLETIN

(A FORTNIGHTLY E-PUBLICATION)

सीएसआईआर कौशल पत्रक

(पाक्षिक ई-प्रकाशन)



EDITORIAL UNIT

- Dr. Vinay Kumar
- Ms. Neeti Sagar
- Mr. Yogesh Kumar
- Dr. Debolina Ghosh
- Ms. Priya Rawat
- Ms. Kajal Singh

CONTENT

PgNo.

- Skill Trainings: 2-6
- Nodal Office Events: 7-8
- Upcoming Trainings: 9-13
- Skill Development Highlights in Print Media: 14
- General Updates: 15
- Glimpses: 16
- Useful Links: 17

HIGHLIGHTS

- No. of SDP Conducted: 24
- No. of Participants Trained: 730
- No. of Upcoming Trainings: 17
- Skill Area Focus: 24



IMAGES: Participants and Directors in various Skill Development Training Programs at different CSIR Labs

CSIR - Human Resource Development Centre, Ghaziabad
 (Skill Nodal Office)

सीएसआईआर - मानव संसाधन विकास केंद्र, गाजियाबाद
 (कौशल नोडल कार्यालय)



CSIR-NBRI, Lucknow organised a 7-day Skill Development Program on **“Certificate Course for Herbarium Technician”** under CSIR-Integrated Skill Initiative (Phase-III) during 12th - 19th January, 2026. A total of 14 students participated in the programme. The training covered major plant groups including Algae, Lichens, Bryophytes, Pteridophytes, Gymnosperms, and Angiosperms, with practical exposure to collection, processing, specimen preparation, preservation, accessioning, incorporation, digitization, and maintenance of herbarium specimens.

CSIR-CECRI, Karaikudi organised a One-week Skill Development Training Programme on **“Materials Characterization using XRD, XPS, EDS & EBSD Techniques”** under the aegis of CSIR Integrated Skill Initiative during 02nd - 06th February, 2026. This programme aimed to provide the latest knowledge & skills about Materials Characterization using XRD, XPS, EDS & EBSD Techniques. Materials characterization using XRD, XPS, EDS, and EBSD provides a comprehensive analysis of crystal structure, surface chemistry, elemental composition, and crystallographic orientation. XRD identifies phases and crystal structure, while XPS details surface chemical states within 1-10 nm. EDS offers rapid, SEM-based elemental mapping, and EBSD maps micro-texture, grain size, and boundaries. This programme was attended by 26 participants by covering five different states of India.



CSIR-CSIO, Chandigarh conducted a 5-Days workshop on **“Industrial Automation”** initiated under CSIR Integrated Skill Initiative Programme during 02nd - 6th February, 2026. The participants got Practical exposure on various Industrial automation Techniques during workshop which includes Robotics, PLCs, Hydraulic, Pneumatics, IOTs, I4.0, FMS/CIM Systems, Factory Automation, Drone Technology, etc. 21 participants attended this workshop.

CSIR-CRRI, New Delhi conducted Five days Skill Development Program on **“Design, Maintenance, and Management of Airfield Pavements”** conducting during 02nd - 06th February, 2026. 16 trainees from all over India attended the above program. The program aims to enhance technical knowledge and practical skills in the planning, evaluation, and maintenance of airfield pavements.



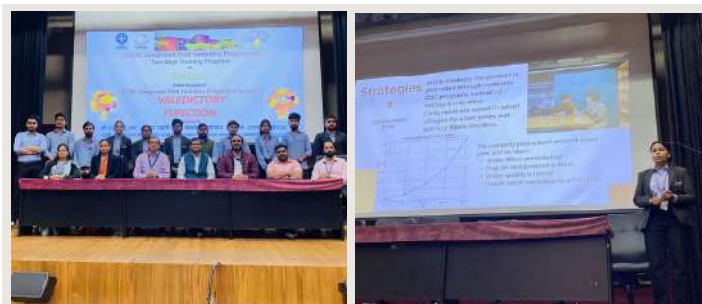
CSIR-IMTECH, Chandigarh commenced a **Foundation Skill Development Program** under the CSIR Integrated Skill Initiative from 2nd - 28th February, 2026 for 5 students from the Centre of Disability Studies, MDU Rohtak, Haryana. The program aims to enhance foundational skills and provide hands-on exposure to scientific and technical environments. Such initiatives reflect CSIR's commitment towards inclusive skill development and capacity building for students with diverse abilities. The program will help participants gain practical knowledge and improve their employability prospects.

CSIR-IMTECH, Chandigarh organized a five-day programme on **“Internet of Things (IoT), AI, Robotics and 3D Printing”** at the CSIR-Institute of Microbial Technology (CSIR-IMTECH), Chandigarh, from **2nd - 6th February, 2026**. This workshop, the second in a series of three planned programs, was organized by CSIR-IMTECH in collaboration with the Haryana School Shiksha Pariyojna Parishad (HSSPP). It focused on augmenting competencies and enabling the government school teachers in key emerging technologies—Internet of Things (IoT), Artificial Intelligence (AI), Robotics, and 3D Printing—with a specific emphasis on applications under the Healthcare theme. The program was exclusively designed for Post Graduate Teachers (PGTs) and Atal Tinkering Lab (ATL) In-charges from government schools across Haryana. A total of **110** teachers participated across the entire series, while the current workshop has brought together thirty-seven PGTs and ATL/STEM Lab In-charges representing ten districts of the state.



CSIR-CDRI, Lucknow has launched a certificate course on skill development in the **“Care, management, and experimental techniques of laboratory animals”** during **3rd - 20th February, 2026** under the CSIR Integrated Skill Initiative. An orientation program was held during which the participants were introduced to the objectives and structure of the course. A total of **18** participants from different states of India are taking part in this program. An introductory session conducted by Training Coordinator Dr. Anil Nilkanth Gaikwad. Program details and structure were outlined by Program Coordinator Dr. Rajdeep Guha, setting a clear roadmap for the upcoming sessions.

CSIR-NIIST, Thiruvananthapuram conducted a five-day residential hands-on training programme titled **“Microalgal Lipidomics and Bioeconomy: Process Engineering, Scale-up, and Advanced GC-MS Profiling - 2026”** during **27th - 31st January, 2026** in alignment with the CSIR Skill Initiative. The programme aimed to enhance practical skills in microalgal biotechnology and lipidomics, bridging laboratory research with industrial applications. **23** participants benefited from the training.



CSIR-AMPRI, Bhopal conducted a two-day skill development Program titled **“TechBiz (Exploring business spectrum of technology)”** during **5th - 6th February, 2026** under the aegis of CSIR Integrated Skill Development Initiative Phase III. The programme was inaugurated by Dr. Thallada Bhaskar, Director CSIR-AMPRI, Bhopal, at CSIR-AMPRI (**60** Students and **3** Faculty from LNCT University, Bhopal). This Program was designed to provide students with the skills to develop a strategy for marketing technology-based innovations.

CSIR-NIIST, Thiruvananthapuram conducted a five days skill training program on **“Applied Spectroscopy Skill Enhancement Program for FYUGP Students”** during the period **29th December, 2025 - 2nd January, 2026** as part of CSIR Skill Initiative. The highlight of the training program included Fundamentals and Applications of IR Spectroscopy, UV-Visible Spectroscopy and Fluorescence Spectroscopy and also given hands-on-training for the participants. **47** students got benefitted out of this training program.





CSIR-NBRI, Lucknow organized a one-month Skill Development Program on “**Soil and Water Analyst**” during **23rd December, 2025 - 20th January, 2026** under CSIR-Integrated Skill Initiative (Phase-III), with **06** participants. The programme cover hands-on training in soil and water testing, soil physical and chemical analysis, water quality assessment, preparation of Soil & Water Health Cards with nutrient plans, and laboratory safety and management practices.

CSIR-NBRI, Lucknow conducted a 21-day Skill Development Program on “**Certificate Course in Advanced Bioinformatics**” during **29th December, 2025 - 20th January, 2026** under CSIR-Integrated Skill Initiative (Phase-III), with **09** participants. The programme provided hands-on training in R Studio, basic Linux commands, Next-Generation Sequencing (RNA-seq and gene expression analysis), differential gene expression, pathway analysis, and network analysis using Cytoscape.



CSIR-IIIM, Srinagar conducted a three-day Skill Development Training Program on “**Quantitative Real-Time PCR**” during **9th - 11th February, 2026** under the CSIR-Integrated Skill Initiative (Phase-III). The programme combined theoretical sessions with intensive hands-on training on advanced RT-PCR systems, data analysis, and applications in research and diagnostics. The initiative aimed to strengthen skills in one of the most important molecular biology techniques. Around **20** participants from different parts of the country took part in this practical-oriented training.

CSIR-CECRI, Karaikudi organized a One-week Skill Development Training Programme on “**Surface Coatings by Physical and Chemical Methods for Bio Implants**” during **09th - 13th February, 2026** under the aegis of CSIR Integrated Skill Initiative. The skill development programme on Surface Coatings by Physical and Chemical Methods for Bio Implants” was conducted with the aim of imparting knowledge in the field of Biomaterials used for Bioimplant applications which is very essential topic under health care. The programme was attended by **25** participants by covering different parts of Tamil Nadu in India. It has covered the surface engineering of bio implantable substrates by physical and chemical methods for osseointegration with the body. Advanced techniques like 3D metal printing and bio polymer printing was also covered in addition.



CSIR-CBRI, Roorkee organised a two-day Skill Development Program titled “**Waste to Resources Approaches**” at the Dolphin (PG) Institute of Biomedical & Natural Sciences during **12th - 13th February, 2026** under the aegis of CSIR-Skill Initiatives, in collaboration with the Research Advisory Council (RAC), DIBNS. The program brought together **75** students from Undergraduate, Postgraduate, and PhD programs along with **8** faculty members, creating a vibrant platform for knowledge exchange on sustainable and circular economy practices.

CSIR-CRRI, New Delhi conducted Five days Skill Development Program on “**Road Safety Audit & Other Road Safety Related Aspects**” during 09th - 13th February, 2026. 50 Trainees from Madhya Pradesh, Public works Department Engineers attended the above program. The programme aimed to strengthen technical knowledge and practical skills in road safety assessment and implementation strategies. The initiative was conducted under the guidance of Council of Scientific and Industrial Research to promote capacity building in infrastructure safety.



CSIR - NIIST, Thiruvanthpuram in association with CETSOM successfully conducted the Management Development Program on “**Innovation to Impact: IP, Business Planning & Project Funding**” under CSIR Skill Initiative, at School of Management, College of Engineering Trivandrum (CET), sponsored by the Ministry of MSME, Government of India during 2nd - 6th February, 2026. The program brought together early-stage startups, technologists, aspiring entrepreneurs, and students, with expert-led sessions on IP, innovation, business planning, marketing, funding, pitching, and project finance, aimed at translating ideas into impactful enterprises. 29 participants got benefitted out of this training program. The programme strengthened collaboration between academia, industry, and innovation-driven enterprises.

CSIR-NEERI, Nagpur organized Green Skill Training Program on “**Environmental Impact Assessment (EIA)**” during 10th - 12th February, 2026. The programme was attended by 25 participants. Dr. S. Venkata Mohan, Director, CSIR-NEERI inaugurated the program and addressed the participants on latest issues related with EIA, importance of environmental monitoring, EMP, etc. Participants from various organizations, representing rural and urban areas participated in the program, which included technical presentations, reconnaissance surveys.



CSIR-NBRI, Lucknow organized a 2-day Training Programme on “**Vermicompost Techniques**” during 5th - 6th February 2026. A total of 9 candidates participated in the training programme. The programme included theory and practical sessions on vermicompost preparation. The training helped participants understand sustainable waste management practices. Participants gained hands-on experience in eco-friendly compost production methods.

CSIR-IHBT, Palampur conducted a five-day hands-on training programme on “**Key Areas of Biotechnology**” under the CSIR Integrated Skill Initiative (Phase-III), during 5th - 10th February, 2026. The programme was organized for 19 students of B.Sc. Biotechnology from PSR Government College, Baijnath (Himachal Pradesh). The training aimed to provide practical exposure and experiential learning, thereby enhancing the students’ technical skills, laboratory proficiency, and academic understanding through structured hands-on sessions. The programme focused on bridging the gap between academic learning and real-time laboratory practices in biotechnology.





CSIR-CIMAP, Lucknow organized a six day hands on Skill Upgradation training workshop on **“Essential oil Processing Technologies (EOPT-2026)”** during 9th - 14th February, 2026 under the CSIR Skill Upgradation Program for the farmers and entrepreneurs interested in setting up of units for processing and value addition of essential oils from zero. 28 participants representing over 12 states of India took part in the workshop. At the inaugural session of the training program, course coordinator of the training programme Dr. Sudeep Tandon informed that the workshop was specially designed to give the participants a systematic knowledge on the processing technologies for aromatic plants and familiarize them with the technical and practical aspects of the technologies. Particular emphasis had been laid on the quality analysis procedures for the essential oils as the export market demands only high quality products. The training covered hands on training on the distillation, menthol crystallization, value addition & fractionation of essential oils including all quality aspects.

CSIR-CCMB, Hyderabad, successfully conducted a 5 days hands-on Skill Development Program/training on **“Wildlife DNA Forensics”** during 27th - 31st January, 2026. Benefitting total 09 participants from across India. The program provided intensive hands-on training and theoretical insights into crime scene observations and sample collection and preservation, DNA isolation, Primer designing for species identification, PCR and Sequencing, Species-specific, Individual-specific and sex identification PCRs and Analysis of genotyping data, workflows and troubleshooting. Experienced scientists at CSIR-CCMB carried out the training. The program also featured sessions on laboratory safety, experimental planning, and data analysis, along with one-on-one mentoring.



CSIR-NCL, Pune successfully conducted a one-month Skill Development Program (SDP) on **“Mass Spectrometry-based Proteomics”** during 9th - 20th February, 2026, training 2 students. The program provided comprehensive exposure to various proteomics technologies, including peptide mapping, protein identification, characterization of post-translational modifications, and quantitative proteomics approaches such as iTRAQ, SILAC, SWATH, MRM, and PRM. The SDP was coordinated by Dr. Mahesh Kulkarni and Dr. Nilakshi Sadavarte, whose efforts, along with their team, ensured the successful execution of the program. The initiative received valuable support from the Nodal Head, CSIR-NCL, Dr. Rajesh Gonnade. The programme helped participants gain in-depth understanding of advanced analytical instrumentation and proteomics workflows. The hands-on exposure strengthened their capabilities in data acquisition, processing, and interpretation in real research scenarios. The initiative reflects the commitment of Council of Scientific and Industrial Research towards nurturing highly skilled scientific manpower. Such specialised training programmes support innovation and research excellence across emerging life science domains. These efforts contribute to national scientific capacity building aligned with priorities of Government of India.



CSIR-HRDC conducted an online workshop on “How to Write a Winning Research Proposal” from 9th - 10th February, 2026 under the

CSIR Integrated Skill Initiative. A total of 73 participants including JRFs, SRFs, PhD students and project scientists actively participated in this programme, reflecting keen interest among the research community.

Programme Agenda: The course aimed to achieve expertise in writing research proposals by skilling the participants in planning, outlining, writing, organizing and editing comprehensively to earn funding/grants. Insightful sessions from scientists from CSIR Labs and the CSIR Headquarter was conducted.



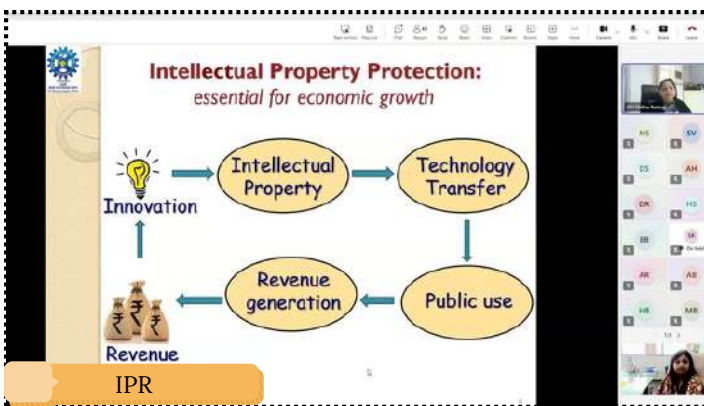
Inaugural Session



Proposal Writing



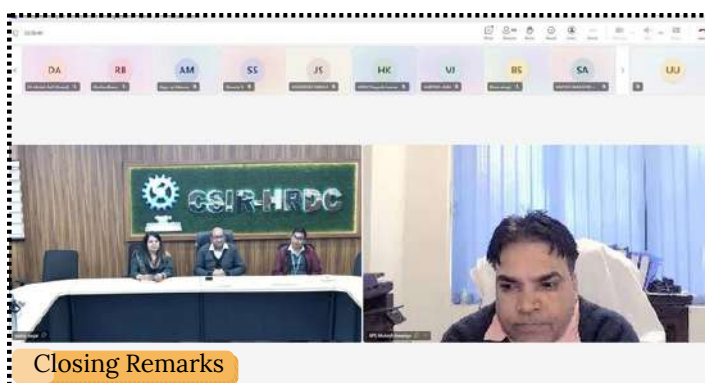
Grant Writing



IPR



Ethics in Research



Closing Remarks

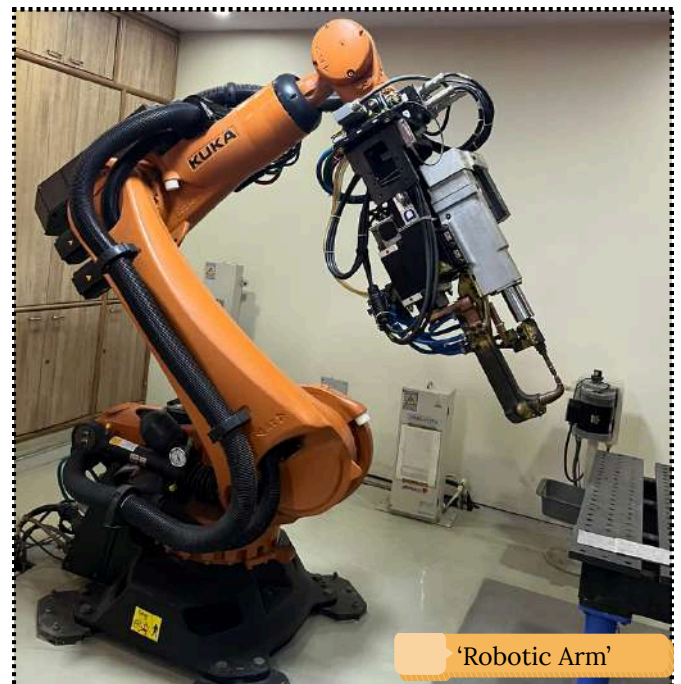
CSIR-Human Resource Development Centre attended the HR Conclave on Workforce for Manufacturing Excellence - "Essence of Upskilling" on 13th February 2026, organized by Ajay Kumar Garg Engineering College (AKGEC) and Instrumentation Automation Surveillance Communication Sector Skill Council (IASC-SSC), featuring panel discussions with the Sector Skill Council, industries, and academia, on "Bridging the Gap between Industry and Academia to foster Skill Development" followed by a visit to the advanced facilities at the AKGEC Centres of Excellence.



Informative Sessions



'Rakshita Bike Ambulance'



'Robotic Arm'



'Automotive System'



'3D Printer and Model'

CSIR - Human Resource Development Centre, Ghaziabad
(Skill Nodal Office)

सीएसआईआर - मानव संसाधन विकास केंद्र, गाजियाबाद
(कोशल नोडल कार्यालय)





Advanced Course on Transmission & Telecommunication Towers: Design, Retrofitting, and Future Trends (ACTT 2026)
4th - 6th March 2026
(under CSIR Integrated Skill Initiative)



Organized by
CSIR-Structural Engineering Research Centre
(An ISO 9001:2015 Certified Organization)
CSIR Campus, Taramani, Chennai-600113, India

About CSIR-SERC
CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, is one of the national laboratories under the Council of Scientific & Industrial Research, India. CSIR-SERC has built up excellent facilities and expertise for analysis, design and testing of structures and structural components. Services of CSIR-SERC are being extensively used by the Central and State Governments and public and private sector undertakings. Scientists of CSIR-SERC serve on many national and international committees and the Centre is recognized at the national and international levels as a leading research institution in the field of structural engineering.



Tower Testing & Research Station (TTRS), a world-class facility of CSIR-SERC, Chennai, established in 1984, is dedicated to advanced research on towers and tower-like structures that form the backbone of power transmission and communication systems. Since its inception, CSIR-SERC has played a pioneering role in addressing the complex challenges associated with the analysis, design, and testing of transmission towers and their components. Located at Taramani (opposite Chennai Airport), within a unique horse-shoe-shaped stretchable granite quarry, TTRS is equipped with state-of-the-art facilities and high-level R&D expertise to support full-scale testing, design validation, and performance evaluation of tower structures and is highly recognized as one of the testing tower testing and research facilities in the world.

Background
Transmission and telecommunication towers are critical infrastructure for reliable power and communication networks essential to national development. Rising system voltages, conductor limitations, extreme climatic loads, aging assets, and the need for rapid post-failure restoration have significantly increased the complexity of tower design, assessment, and operation. TTRS, CSIR-SERC, Chennai, has been at the forefront in addressing these challenges through focused research on optimal tower configurations, alternative materials and cross-sections, strengthening and retrofitting of towers, failure analysis and mitigation, emergency restoration systems, and hybrid structure solutions. In this context, there is a growing need to foster knowledge sharing among professionals, encourage peer-level technical exchange, and familiarize early-career engineers with current best practices and emerging directions in transmission and telecommunication infrastructure.

Objectives
The course aims to enhance participant's competence in the analysis, design, testing, and performance evaluation of transmission and telecommunication towers, with emphasis on modern design philosophies, code-based practices, and emerging trends. It also seeks to impart knowledge on advanced techniques, failure mitigation, and emergency restoration solutions by integrating analytical, experimental, and practical perspectives.

Faculty
The faculty for the course will primarily comprise scientific experts from CSIR-SERC, along with select experts from industry.

Prerequisites
The course registrants can ensure adequate knowledge on the background to course contents to fully exploit the benefits of attending the advanced course.

Venue & Duration
Training and Development Complex, CSIR-SERC, Chennai. Timing: 9:30 a.m. to 5:30 p.m.

Registration and Fee
Rs. 5000/- per participant inclusive of GST for working professionals, Rs. 1500/- for student participants and US\$ 450/- for foreign delegates. Presentation material (in .pdf format) and participation certificate will be provided to all the registered participants. The course registration can be completed via online form in the URL, below: <https://sers.res.in/course>

Travel, Boarding and Lodging Arrangements
The participants or their sponsoring organizations must bear travel, boarding and lodging expenses. Limited accommodation in the Guest House/Trainer's Hotel at CSIR-SERC Campus may be arranged on a first-come-first-served basis at extra cost. Participants wishing to avail of this facility are advised to write to the course coordinator well in advance, and in any case, not later than 15th February 2026.

Course Coordinators
Dr. M. Saravanan & Mr. S. Vinuth Krishnan,
Tower Testing & Research Station,
CSIR-Structural Engineering Research Centre
CSIR Campus, Taramani, Chennai - 600113

Contact Us
Email: saravanan.venk@csir.res.in,
vinuthkrishnan.ssm@csir.res.in
Mob: 9952369131; 9920086577
Tel: (91) (44) 2254 5574



Scan QR code for course promo



SKILL DEVELOPMENT PROGRAM ON HANDS ON TRAINING FOR THE EXTRACTION AND CHARACTERIZATION OF PLANT PROTEINS

Learn how to extract and characterize plant proteins through NIST's skill development course!

Objective
This intensive and carefully curated course offers the participants to update their knowledge on plant proteins. It also hones the skills required for the extraction and characterization of plant proteins through hands on experience in lab and pilot plant.

Outcome
Skilled manpower and improved chances of recruitment in plant protein industries.

Eligibility
Bachelors/Masters in food science, food processing, food engineering, food technology or relevant area.

Resource persons

- Dr. Ayyappan
Senior Scientist, Plant proteins
- Dr. Prasanth Pillai
Asst. Prof., University of Minnesota

Course content

- Introduction to food macromolecules with emphasis on plant proteins
- Potential raw materials and preprocessing for protein extraction
- Strategies for the extraction of plant proteins
- Characterization of plant proteins for their physico-chemical properties
- New product development and analysis
- Food regulations related to plant proteins
- Technoeconomic and life cycle assessment of plant proteins

COURSE COORDINATOR
Dr. Vasanth Raghavan
Senior scientist, APTD, CSIR-NIST

NO. OF SEATS
10

COURSE FEE
Rs. 5000/-

MODE OF TRAINING
In person/offline

ACCOUNT DETAILS

The Director, CSIR-NIST
Account No: 67047723825
IFSC Code: SBIN0070630
Bank: State Bank of India (SBI)
Address: Pappanacode, Industrial Estate

CONTACT DETAILS

9535633632
sds@nist.res.in
vasanthraghavan.nist@csir.res.in
Apply Online : <http://adp.nist.res.in>

2 - 6 MARCH 2026

CSIR-NIST
The National Institute of Food Technology

DURATION
5 days





सी.एस.आई.आर. - हिमालय जैवसंपदा प्रौद्योगिकी संस्थान, पालमपुर
CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालमपुर- 176 061 (हिमाचल प्रदेश) भारत
Post Box. No. 06, Palampur - 176 061 (Himachal Pradesh) INDIA

CSIR- Integrated Skill Initiative (Phase-III)
Applications are invited for the Course of

Plant Tissue Culture Technician
Course Code: AGR/Q8101, NSQF Level-4





A Plant Tissue Technician performs several activities such as preparing the lab, culture media and mother plant, extracting, preparing, planting and maintaining explants. The person also transplants the tissue cultured plants and maintains record of laboratory operations.



Course Includes:

- Prepare for Plant Tissue Culture
- Carry out Plant Tissue Culture
- Transplant the tissue-cultured plants and maintain records
- Maintain health and safety in the workplace
- Employability Skills

Course-coordinator
Dr. Ashish R. Warghat

Nodal Skill Development Programme
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Evaluation: Conducted by the Agriculture Skill Council of India (ASCI), a unit of National Skill Development Corporation (NSDC), Govt. of India

Accommodation will be provided on sharing and payment basis, as per the availability.

For more details about the institute, kindly scan the QR code.

Course Start Date: 01st June, 2026

Last date of receiving application: 30.04.2026
Course fee : Rs. 10000/-
No. of Seats : 20
Education Qualification : 12 or equivalent (Science)
OR
10th Grade Pass with 3-year relevant experience
OR
Previous relevant Qualification of NSQF Level 3.5 with 1.5-year relevant experience in Agriculture and allied sectors
OR
Previous relevant Qualification of NSQF Level 3.0 with 3-year relevant experience in Agriculture and allied sectors



Course Duration: 390 Hours
60 Days Approx.

Contact us:
Phone: +91-1894-233339 (Ext.) 315; 346
Fax: +91-1894-230433
Email: skill.ihbt@csir.res.in
Website: www.ihbt.res.in





सी.एस.आई.आर. - हिमालय जैवसंपदा प्रौद्योगिकी संस्थान, पालमपुर
CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालमपुर- 176 061 (हिमाचल प्रदेश) भारत
Post Box. No. 06, Palampur - 176 061 (H.P.) INDIA

Hands-on Training on Hydroponic & Aeroponic Cultivation



This training is designed to impart practical and theoretical knowledge on Hydroponic and Aeroponic Technologies — soilless cultivation systems useful for vegetable, flower, medicinal & high-value crops. Participants will learn concepts, system setup, management, nutrient formulations, and crop production techniques.



Key Learning Modules:

- ◆ Introduction to Soilless Cultivation
- ◆ Exposure to Hydroponic & Aeroponic Systems
- ◆ Nutrient Management & Solution Preparation
- ◆ Hands-on System Setup & Operation
- ◆ Crop Management, Monitoring & Troubleshooting
- ◆ Business Opportunities in Soilless Farming

Training-coordinator
Dr. Ashish R. Warghat

Training Nodal
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Accommodation will be provided on sharing and payment basis, as per the availability

Start Date: 23rd March, 2026

Last date of receiving application: 28.02.2026
Training fee : Rs. 3000/-
No. of Seats : 10
Education Qualification : No formal education



Training Duration: 5 Days

Contact us:
Phone: +91-1894-233339 (Ext.) 315; 346
Fax: +91-1894-230433
Email: skill.ihbt@csir.res.in
Website: www.ihbt.res.in






सीएसआईआर-भारतीय समवेत औषध संस्थान
CSIR-Indian Institute Of Integrative Medicine




प्रीक्लिनिकल प्रयोगों हेतु SKILL DEVELOPMENT TRAINING PROGRAM
प्रयोगशाला पशु तकनीकों पर ON LABORATORY ANIMAL TECHNIQUES
कौशल विकास प्रशिक्षण कार्यक्रम FOR PRECLINICAL EXPERIMENTS

कार्यक्रम के बारे में/ABOUT THE PROGRAM

सीएसआईआर-आईआईएम, जम्मू में आयोजित प्रीक्लिनिकल प्रयोगों हेतु प्रयोगशाला पशु तकनीकों पर आधारित कौशल विकास प्रशिक्षण कार्यक्रम में प्रयोगशाला पशुओं के संभाल, डोजिंग, नैतिक प्रक्रियाओं तथा पशु प्रयोगात्मक तकनीकों (ट्रीपिंग, आरएफ, प्रोटोटीप प्रकरण एवं फिटोपेसंवेदी) का प्रयोगिक प्रशिक्षण प्रदान किया जायेगा है। यह कार्यक्रम आवश्यक तकनीकी कौशल विकसित करने, नैतिक विचारधारा एवं जैव सुरक्षा प्रणाली का पालन सुनिश्चित करने तथा प्रयोगशालाओं को बायोसैफ्टी और जैविक विज्ञान प्रयोगशालाओं में संघ कार्य के लिए तैयार करने पर केंद्रित है।

The Skill Development Training Program on Laboratory Animal Techniques for Preclinical Experiments at CSIR-IIM, Jammu provides hands-on training in laboratory animals handling, dosing, sample collection, ethical practices, and basic experimental techniques (DNA, RNA, Protein isolation and histopathology). The program aims to build essential technical skills, ensure adherence to ethical guidelines, biosafety measures and prepare participants for research work in biomedical and life science laboratories.

दिशानिर्देश / Guidelines

- Registration Kit and Food for all participants shall be provided by Host Institute.
- A Registration Fee of Rs 11500/- (Rs 1000 + 18% GST) must be paid in Institute's account and the receipt needs to be uploaded in the online Registration/Google Form.
- Maximum of 15 Seats are available on First Come First serve.

कौन भाग ले सकता है / WHO CAN APPLY

- औद्योगिक, रसायनिक, औषधि विज्ञान एवं पशु चिकित्सा विज्ञान में डिग्री प्राप्त कर रहे छात्रों, एम.बी.बी.एस. पीएचडी छात्र / UG, PG & PhD Students Pursuing Degrees in Biological, Chemical, Pharmaceutical Sciences & Veterinary sciences.
- पशु चिकित्सा विज्ञान प्रमुखों से जुड़े डॉक्टर, शैक्षणिक, शोध या अन्य क्षेत्रों में कार्य करने वाले/Working, Academic, Students & Professionals from the veterinary science background are also eligible.

यहाँ पंजीकरण करें / REGISTER HERE

ग्रहण फॉर्म लिंक का उपयोग करके यहाँ पंजीकरण करें / Register Here By Using The Google Form Link
<https://forms.gle/2vZvDbaZ5iC8Xt6>
 या QR को स्कैन करें या यहाँ क्लिक करें / Or Scan The QR Code




तिथि / DATE:
24-26 February, 2026


VENUE: CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu, 180001

E-Mail us at sdp@iim@gmail.com


[fb](https://www.facebook.com/csir-iim) [ig](https://www.instagram.com/csir-iim) [yt](https://www.youtube.com/csir-iim) [in](https://www.linkedin.com/csir-iim) [www.iim.res.in](https://www.csir-iim.org)



सीएसआईआर
CSIR-CCMB



CSIR-CCMB



Skill Development Program
On
“LC-MS based Proteomics”
23rd – 28th March 2026

CSIR-Center for Cellular and Molecular Biology shall conduct a hands-on training workshop for six days on “LC-MS based Proteomics” 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 about the basics of proteomics and its applications in research for various experiments. It will be supplemented with informative lectures, hands-on training, instrument set-up, data collection and analysis.

Duration	: 6 days
No. of seats	: 8-10
Target Audience	: Faculty/ Researcher from Academia/Industries/Institutes
Minimum Qualification	: Masters in any branch of Life Science/Allied areas
Dates	: 23 rd to 28 th March 2026
Mode of the Course	: In-house training at CCMB
Mode of selection	: Application form & Statement of Purpose
Course Fee	: Rs. 18,000/- (includes accommodation and GST)
Apply using the link	: http://recruitment.ccmb.res.in/training_programs/sdp/
Course Code	: PROTEO-5

Training Curriculum for Course:

- Basic operational fundamentals of liquid chromatography, mass spectrometry, and LC/MS interface
- Qualitative and quantitative aspects of LC- MS: from simple molecular weight determination to large scale proteome analysis
- Sample preparation of LC-MS, SDS PAGE, staining/denaturing, processing of gel pieces towards in-gel trypsin digestion, extraction of peptides, desalting
- LC-MS run & interpretation & analysis of MS data


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
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions

Training Coordinator:
Dr. Swasti Raychaudhuri
Senior Principal Scientist,
Proteomics,
CSIR-CCMB Hyderabad.


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

Scan to Apply





सीएसआईआर
CSIR-CCMB




Skill Development Program
on
“R in Biology”
23rd – 27th February 2026

The CSIR-Center for Cellular and Molecular Biology is organizing a hands-on training on “R in Biology” (R-1) targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. This workshop intended to equip researchers, students, and faculty with computational and analytical skills necessary to handle, analyze, and interpret biological data using the R programming language.

No. of seats	: 20
Target Audience	: Faculty/ Researcher from Academia/Industries/ Institutes
Minimum Qualification	: Masters in any branch of Life Science/Allied areas
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)
Course Code	: R-1

Training Curriculum:


- Introduction to R, R Studio & Programming
- Introduction to tidyverse and dplyr
- Data Visualization with ggplot2
- More Data Visualization – Heat Maps Volcano Plots etc.,
- Case study - Analyzing real RNA-Seq data & Metgenomics data



Salient Features of the Training:

- Bridge the gap between biology and data science
- Develop proficiency in data visualization, analysis, and modeling
- Gain foundational skills in R programming and environment configuration.
- Efficiently handle and process data using R's tools and structures
- Communicate findings visually through effective data visualizations in R.
- Lectures from experts of CCMB
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation

Scan to Apply



Apply using the link/scanner: http://recruitment.ccmb.res.in/training_programs/sdp/

Course Coordinator: Dr. Nitesh Kumar Singh, Senior Technical Officer, CSIR-CCMB, Hyderabad.	Program Coordinator: Dr. Archana Bharadwaj Siva Chief Scientist Nodal Scientist-Skill Development Program CSIR-CCMB, Hyderabad. sdp.ccmb@csir.res.in
--	--



सीएसआईआर
CSIR-CCMB



CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

“Women’s Day Special Batch
Polymer Characterisation
by GPC techniques”



INTERNATIONAL DAY OF WOMEN AND GIRLS IN SCIENCE

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

ABOUT COURSE

Gas permeation chromatography is used in various industries like polymer, pharmaceutical, food, materials etc. It is the essential and important laboratory technique used for molecular characterization. GPC is the most powerful method for determining average molecular weight and polydispersity of polymers in solution. This course aims to provide a detailed knowledge of theory, sample preparation, data generation, analysis, report generation and troubleshooting by 2 days permeation chromatography. After successful completion of the course the participants will be able to analyse and interpret the data and will acquire sufficient experience.

COURSE CONTENT

GPC- Introduction to GPC Technique, History and development, Pump, Column and detectors, Sample method development, Live demonstration of sample run, Analysis and troubleshooting etc.

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

PRIME INSTRUCTOR

Mrs. Poorvi Purohit
Sr. Technical Officer
Polymer Science And Engineering

COURSE DETAILS

Duration: 2 days
Dates: 23rd March - 27th March 2026
No. of Seats: 10
Eligibility: M.Sc., M. Pharm., B.E., B.Tech., M.E., M. Tech.
Course Fees: Free of cost on the occasion of Women's Day
Accommodation: 500/- for 2 days

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
- Fee structure
- Brief on career options
- Networking

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

ncl.sdct.ncl@csir.res.in

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



**CSIR-INDIAN INSTITUTE OF PETROLEUM
DEHRADUN 248 005
(UTTARAKHAND) INDIA**

**5 DAYS HANDS ON TRAINING WORKSHOP IN MOLECULAR BIOLOGY
CSIR - INTEGRATED SKILL INITIATIVE**

DATE - 23RD - 27TH FEB, 2026

WORKSHOP MODULES & HANDS - ON SESSIONS

- GENOMIC DNA ISOLATION
- COMPETENT CELL PREPARATION
- TRANSFORMATION
- PLASMID ISOLATION
- RESTRICTION DIGESTION
- PRIMER DESIGN
- PCR & GEL ELECTROPHORESIS

Fee for Students/ Unemployed youth : ₹3000/-
Fee For Sponsored Candidates : ₹20000/-
For SC/ST/EWS candidates, 25% discount is offered in the workshop fee
Seats are limited to a max of 15 participants only, Register early

Target Audience
MSc (Biological/Life Sciences & Biotechnology), B.Tech & M.Tech (Biotechnology)

Address
CSIR - IIP
Mohkamapur, Dehradun
248005 Uttarakhand, India

Registration Form (Click to Download)

Course Coordinator : Dr. Sunil Kumar Suman, Sr. Principal Scientist, MRED Dept. sunil.kr@csir.res.in -
Skill Nodal Officer - Mr. Premchand Nerusu premchand.nerusu@csir.res.in, 91-9481709862 / 0135- 2525951/960

Boarding & lodging charges are additional as per prevailing rates at IIP Guest house

सी.एस.आई.आर. - हिमालय जैवसंपदा प्रौद्योगिकी संस्थान, पालम्पुर

CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालम्पुर- 176 061 (हिमाचल प्रदेश) भारत
Post Box. No.06, Palampur - 176 061 (Himachal Pradesh) INDIA

CSIR- Integrated Skill Initiative (Phase-III)
Applications are invited for the Course of

Design and construct Vertical Garden

Course Code: AGR/N0856, NSQF Level-4

Course Start Date: 15th June, 2026

Course Includes:

- Design and construct Vertical Garden
- Carry out maintenance of the garden
- Maintain health and safety at the workplace

Course-coordinator
Dr. Bhavya Bhargava
Nodal Skill Development Programme
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Evaluation: Conducted by the Agriculture Skill Council of India (ASCI), a unit of National Skill Development Corporation (NSDC), Govt. of India

Accommodation will be provided on sharing and payment basis, as per the availability

Course Start Date: 15th June, 2026

Last date of receiving application: 08.06.2026
Course fee : Rs. 1200/-
No. of Seats : 20
Education Qualification : 12th or equivalent
OR
Pursuing 2nd year of 3 year diploma in Agriculture/Horticulture Forestry/ Agriculture Engineering after 10th pass
OR
Previous relevant Qualification of NSQF Level 3.5 with 1.5-year of relevant experience in Agriculture and allied sectors
OR
Previous relevant Qualification of NSQF Level 3 with 3-year of relevant experience in Agriculture and allied sectors

Course Duration: 37.5 Hours (7 Days Approx.)

Contact us:
Phone:+91-1894-233339 (Ext.) 318; 346
Fax:+91-1894-230433
Email: skill.ihbt@csir.res.in
Website: www.ihbt.res.in

सी.एस.आई.आर. - हिमालय जैवसंपदा प्रौद्योगिकी संस्थान, पालम्पुर

CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालम्पुर- 176 061 (हिमाचल प्रदेश) भारत
Post Box. No.06, Palampur - 176 061 (Himachal Pradesh) INDIA

CSIR- Integrated Skill Initiative (Phase-III)
Applications are invited for the Course of

Master Gardener

Course Code: AGR/Q0801, NSQF Level-4

A Master Gardener is responsible for planting and maintaining lawns and gardens in private and public properties such as homes, parks and hotels. The individual uses a variety of tools and equipment for this purpose and carries out their basic repair and maintenance also

Course Start Date: 15th June, 2026

Course Includes:

- Raise saplings in the nursery for transplanting in the garden
- Prepare a plan to set up the garden
- Set up the garden as per the plan
- Carry out maintenance of the garden
- Maintain health and safety at the workplace
- Design, set up and maintain a rooftop garden

Course-coordinator
Dr. Bhavya Bhargava
Nodal Skill Development Programme
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Evaluation: Conducted by the Agriculture Skill Council of India (ASCI), a unit of National Skill Development Corporation (NSDC), Govt. of India

Accommodation will be provided on sharing and payment basis, as per the availability

Last date of receiving application: 08.06.2026
Course fee : Rs. 1000/-
No. of Seats : 20
Education Qualification : 12th or Equivalent
OR
10th Class with 3-year of relevant experience in Agriculture and allied sectors
OR
Previous relevant qualification of NSQF Level 3.5 with 1.5 Years of relevant experience in Agriculture and allied sectors
OR
Previous relevant qualification of NSQF Level 3 with 3 Years of relevant experience in Agriculture and allied sectors

Course Duration: 390 Hours (70 Days Approx.)

Contact us:
Phone:+91-1894-233339 (Ext.) 318; 346
Fax:+91-1894-230433
Email: skill.ihbt@csir.res.in
Website: www.ihbt.res.in

सी.एस.आई.आर. - हिमालय जैवसंपदा प्रौद्योगिकी संस्थान, पालम्पुर

CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालम्पुर- 176 061 (हिमाचल प्रदेश) भारत
Post Box. No.06, Palampur - 176 061 (Himachal Pradesh) INDIA

CSIR- Integrated Skill Initiative (Phase-III)
Applications are invited for the Course of

Floriculturist

Course Code: AGR/Q0701, NSQF Level-4

A Floriculturist performs various activities in the process of cultivating flower crop such as selecting the site; preparing the field; propagating saplings in the nursery; transplanting the sapling, and maintaining the plants. The person is also responsible for carrying out harvesting, post-harvesting processing and marketing of the flower crop.

Course Start Date: 15th June, 2026

Course Includes:

- Prepare for the cultivation of flower crop
- Propagate flower plant saplings
- Harvest, transplant and maintain saplings to grow flowers
- Carry out harvesting and post harvest management of flower crop
- Engage in collective farming/activity
- Maintain health and safety at the workplace

Course-coordinator
Dr. Bhavya Bhargava
Nodal Skill Development Programme
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Evaluation: Conducted by the Agriculture Skill Council of India (ASCI), a unit of National Skill Development Corporation (NSDC), Govt. of India

Accommodation will be provided on sharing and payment basis, as per the availability

Last date of receiving application: 08.06.2026
Course fee : Rs. 1000/-
No. of Seats : 20
Education Qualification : 12th or equivalent
OR
10th Class with 3 years of relevant experience in Agriculture & Allied sectors
OR
Previous NSQF Level 3.5 with 1.5 years of relevant experience in Agriculture & Allied sectors
OR
Previous NSQF Level 3 with 3 years of relevant experience in Agriculture & Allied sectors

Course Duration: 390 Hours (70 Days Approx.)

Contact us:
Phone:+91-1894-233339 (Ext.) 318; 346
Fax:+91-1894-230433
Email: skill.ihbt@csir.res.in
Website: www.ihbt.res.in



CSIR-INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY
(Under Ministry of Science & Technology, Govt. of India)
Tarnaka - Uppal Road, Hyderabad - 500007, Telangana, India





SKILL DEVELOPMENT PROGRAM
ON
PEPTIDE SYNTHESIS
(23rd-27th March, 2026)



CSIR Integrated Skill Initiative

Organized by
Department of Natural Products & Medicinal Chemistry
CSIR-Indian Institute of chemical Technology, Hyderabad

FEATURES

- Rigorous training by means of Theory & Experimentation
- Lectures from the Peptide experts
- Hands on experience on Peptide Synthesis
- Learning Characterization techniques of Peptides
- Evaluation of knowledge gained through assignments
- Exposure to research areas in the Institute
- Certificate on successful completion of course



Timings : 900am - 530pm
Batch Size : 20 (Limited seats available)

Registration fee

Students : INR 3000/- (inclusive GST)
Industry/Faculty : INR 5000/- (inclusive GST)

Scan here to Register!



For Details, Please Contact:

<p>COURSE CO-ORDINATOR Dr. Debabrata Maity Scientist-D dmaity.iict@csir.res.in</p>	<p>HEAD-DEPT OF NPMC Dr. Sandip B. Bharate Scientist-G sbharate.iict@csir.res.in</p>
--	--

Nodal Officer- Skill Development
CSIR-Indian Institute of Chemical Technology,
Tarnaka, Uppal Road,
Hyderabad - 500 007, Telangana, India

sdp@iict.res.in [iictindia](https://www.iictindia.org)
040-27193146



सी.एस.आई.आर. - हिमालय जैवसम्पदा प्रौद्योगिकी संस्थान, पालनपुर

CSIR - Institute of Himalayan Bioresource Technology, Palampur
पोस्ट बॉक्स नं. 06, पालनपुर - 176 061 (हिमाचल प्रदेश) भारत
Post Box No. 06, Palampur - 176061 (Himachal Pradesh) INDIA



CSIR- Integrated Skill Initiative (Phase-III)
Applications are invited for the Course of

Herb Grower

Course Code: AGR/Q0903, NSQF Level-2




An Herb Grower is responsible for growing medicinal and aromatic plants. In the process, the individual selects a suitable site for cultivation; prepares the site; carries out cultivation and harvests the plants on their maturity. The person also performs post- harvest processing of Herbs including cleaning, packing and labelling.



Course Start Date: 5th March, 2026

Course Includes:

- Prepare for cultivation of MAPs
- Carryout cultivation of MAPs
- Carryout harvesting, post-harvest processing and marketing of MAPs
- Maintain health and safety in the workplace

Last date of receiving application: 25.02.2026
Course fee : Rs. 900/-
No. of Seats : 20
Education Qualification : No formal education.



Course-coordinator
Dr. Ramesh

Nodal Skill Development Programme
Dr. Gireesh Nadda

Course Duration : 210 Hours
30 Days Approx.

Contact us:
Phone: +91-1894-233339 (Ext): 488; 346
Fax: +91-1894-230433
Email: skill@ihbt-csir.res.in
Website: www.ihbtres.in

For more details about Institute, kindly scan the QR code



Evaluation: Conducted by the Agriculture Skill Council of India (ASCI), a unit of National Skill Development Corporation (NSDC), Govt. of India

Accommodation will be provided on sharing and payment basis, as per the availability

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



CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Women's Day Special Batch for HPLC & LC-MS"

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

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

ABOUT COURSE
Chromatography, a crucial technique extensively employed in industry and research that facilitates the separation, identification and purification of components of mixture for both qualitative and quantitative analysis. This course offers brief training on HPLC & LC-MS.

PRIME INSTRUCTOR & TEAM
Dr. Nilakshi Sadavarte
Dr. Snehal More

WHY CHOOSE US

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

COURSE CONTENT

- High Performance Liquid Chromatography (HPLC)
- Liquid Chromatography-Mass Spectrometry (LC-MS)

COURSE DETAILS

Duration: 2 Days
Dates: 29th March-24th March 2026
No. of Seats: 10
Eligibility: M.Sc./Chemical & Life Sciences, M.Pharm.
Course Fees - Free of cost on the occasion of Women's Day
Accommodation: 500 /- for 2 days

HERE IS THE REASON WHY

WHY CHOOSE US

<https://nclsdpc.ncl.res.in/>
ncl.sdpc.ncl@csir.res.in

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





CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Lithium-ion battery cells: Fundamentals to Fabrication"

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

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

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



ABOUT COURSE

The skill development program provides comprehensive training in Lithium-ion battery cell technology to compare core theoretical concepts with practical laboratory experience. The course covers fundamentals of cell chemistry, electrode and electrolyte materials, cell architecture, safety considerations, and recycling strategies through smart lecture and interactive sessions. Participants will also receive hands-on training in the fabrication of coin cells and small scale cells along with testing and analysis methods. The program is designed to meet the requirements of current and emerging industrial demands in consumer electronics, battery technology, and storage.

COURSE CONTENT

- Basics of Lithium-ion batteries: principles, components, and performance.
- IIR membrane, cathodes, anodes, separators, electrolytes.
- Electrode formulation, coating, drying, and calendaring.
- Cell design and configurations.
- Hands-on fabrication of coin cells and small pouch cells.
- Battery cell testing, performance evaluation, and safety limits.
- Overview of IS recycling, sustainability, and second life concepts.

PRIME INSTRUCTOR

Dr. Manjusha Shelke,
Chief Scientist, Physical & Materials' Chemistry Division

Dr. C. P. Nayaka,
Senior Scientist, Physical & Materials' Chemistry Division

Dr. Varun Natta,
Scientist, Physical & Materials' Chemistry Division

COURSE DETAILS

Duration: 1 week
Dates: 23rd February to 27th February 2026
No. of Seats: 15
Eligibility: M. Sc. Chemistry, Physics, Natural Science, B. E., B. Tech., M. E., M. Tech.

Course Fees:
Students - 5,900/-
Faculty - 12,700/-
Industrial Professional - 20,500/-
(The fees stated include 18% GST)
Accommodation: 2 weeks + 2 days with affordable charges.

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.sdpc.ncl@csir.res.in

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



CSIR Sponsor



CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

Quality Control Chemist

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

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

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



ABOUT COURSE

Quality control is essential to ensure the desired quality of manufactured products. The role of a Quality Control Chemist is therefore crucial in both manufacturing and research environments. Quality is maintained through qualitative and quantitative testing methods, implemented by the Quality Assurance unit with the support of skilled QC chemists. They design test protocols, determine sample sizes, and maintain accurate records and documentation. Quality control is enforced from the raw material stage to the finished product, strictly following established Standard Operating Procedures (SOPs). While testing requirements may vary across organizations, fundamental laboratory analyses remain the backbone of every quality control program.

COURSE CONTENT

- Basics of chemistry and laboratory safety guidelines.
- Hands-on introduction to FTIR, XPS, and DLS (Particle Size Analysis).
- Chromatographic techniques: HPLC, GC, GC-MS, and LC-MS.
- Solubility and dissolution testing.
- USPDA protocols, method development, validation, and troubleshooting.
- Qualitative and quantitative analysis.
- Instrument operation and analytical software training.
- Introduction to PXRD (Powder X-Ray Diffraction).

COURSE COORDINATOR
Dr. Rajesh G. Gonnade
Chief Scientist,
Physical & Materials' Chemistry Division

COURSE FEES

Students - 10,620 /-
Faculty - 17,700 /-
Industrial Professional - 29,500 /-
(The fees stated include 18% GST)
Accommodation: 2 weeks + 2 days with affordable charges.

COURSE DETAILS

Duration: 2 weeks
Dates: 23rd March - 02nd April 2026
No. of Seats: 15
Eligibility: M.Sc. Chemistry / Biology / M.Pharm

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

<https://nclsdpc.ncl.res.in/>
ncl.sdpc.ncl@csir.res.in

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



CSIR Sponsor

CSIR - Human Resource Development Centre, Ghaziabad
(Skill Nodal Office)

सीएसआईआर - मानव संसाधन विकास केंद्र, गाजियाबाद
(कौशल नोडल कार्यालय)



(Please click on the link to view the details)

NATIONAL

- ▶ [Budget 2026: Skilling, education and job creation at centre of growth plan](#)
- ▶ [Restructuring Of the skill India Programme: PIB](#)
- ▶ [MSDE and IPE global partner to strenghten women centric skilling ecosystem](#)
- ▶ [HMCSSC invites RFP from training partners for RPL programs foe SHG Members in Tripura](#)
- ▶ [NCS platform and Employment Facilitation](#)
- ▶ [Education and skilling get Budget push; high-power panel to look at education to employment pathways](#)
- ▶ [National Skill Development Mission : PIB](#)
- ▶ [6th National Skill Conclave Lucknow: Sector Skill Gap and Action Plan for Industry 4.0 Job Roles](#)
- ▶ [NHAI to create a pool of skilled construction workers](#)
- ▶ [Can Skilling Push Compensate for High GST on e-Learning?](#)

- ▶ [World Bank Supports India's Ambitious Skills Program to Better Prepare Youth for the Job Market](#)
- ▶ [CSIR-Indian Institute of Integrative Medicine, Srinagar Branch, Organises Three-Day Hands-on Training Programme on qRT-PCR](#)
- ▶ ['Bharat-VISTAAR'-a multilingual AI tool to enhance farm productivity, improve farmer decision making and reduce risk through customized advisory support, proposed in the Union Budget 2026-27: PIB](#)
- ▶ [Skill development conclave highlights women's role in India's growth story.](#)
- ▶ [Apple launches India education hub to offer coding, automation and digital skills](#)
- ▶ [Democratising AI in India: Expanding Access to AI Resources, Skills, and Technology Nationwide](#)
- ▶ [RFP : Hiring of agency as PMU for ITI upgradation under PM-SETU in Haryana](#)
- ▶ [KASE to implement 25 programmes to modernise skill development sector](#)

- ▶ [भारत को विकसित राष्ट्र बनाने में कौशल और नवाचार की महत्वपूर्ण भूमिका होगी](#)
- ▶ [UP Divyangjan Rojgar Abhiyan 2026: योगी सरकार की पहल, 6-13 फरवरी दिव्यांगों को नौकरी और आत्मनिर्भरता का मौका](#)
- ▶ [जमालपुर में वंदे भारत ट्रेनसेट और हाई वोल्टेज सिस्टम की इलेक्ट्रिकल सेफ्टी पर 2 हफ्ते का विशेष प्रशिक्षण प्रोग्राम](#)
- ▶ [बजट: 15,000 स्कूलों और 500 कॉलेजों में स्थापित होगी 'एवीजीसी कंटेंट क्रिएटर लैब'](#)
- ▶ [Adani की स्किल डेवलपमेंट पहल से युवाओं को मिले रोजगार के सुनहरे मौके](#)
- ▶ [PM Modi at Pariksha Pe Charcha: PM मोदी ने शिक्षा और स्किल को बताया जुड़वा बहनें, संतुलन पर दिया जोर](#)
- ▶ [Self-Improvement: नए कौशल सीखते रहें, समय के साथ खुद को अपडेट करें, तभी भविष्य के चैलेंज के लिए रहेंगे तैयार](#)
- ▶ [फिलिप्स एजुकेशन और आदित्य बिरला की हिंडाल्को इंडस्ट्रीज लिमिटेड ने कुप्पम में उन्नत तकनीकी प्रशिक्षण केंद्र \(सीई\) की शुरुआत की](#)
- ▶ [उत्तर प्रदेश कौशल विकास मिशन \(UPSDM\) ने 800 से अधिक केंद्रों पर प्रशिक्षुओं के लिए दैनिक समाचार पत्र \(हिंदी और अंग्रेजी\) पढ़ना अनिवार्य कर दिया है](#)

INTERNATIONAL

- ▶ [ILO Director-General urges governments to turn economic transformation into decent work.](#)
- ▶ [Yemenis rebuild lives with EU-funded vocational training](#)
- ▶ [AI being Co-authored in Classrooms and Startups of the Global South, says Indian ambassador to UAE](#)
- ▶ [Global Accelerator for Jobs and Social Protection for Just Transition: UN Joint Programme](#)
- ▶ [Harnessing artificial intelligence to revolutionize vocational education: Emerging trends, challenges, and contributions to SDGs 2030](#)



CSIR-IHBT



CSIR-CCMB



CSIR-NIIST



CSIR-CECRI



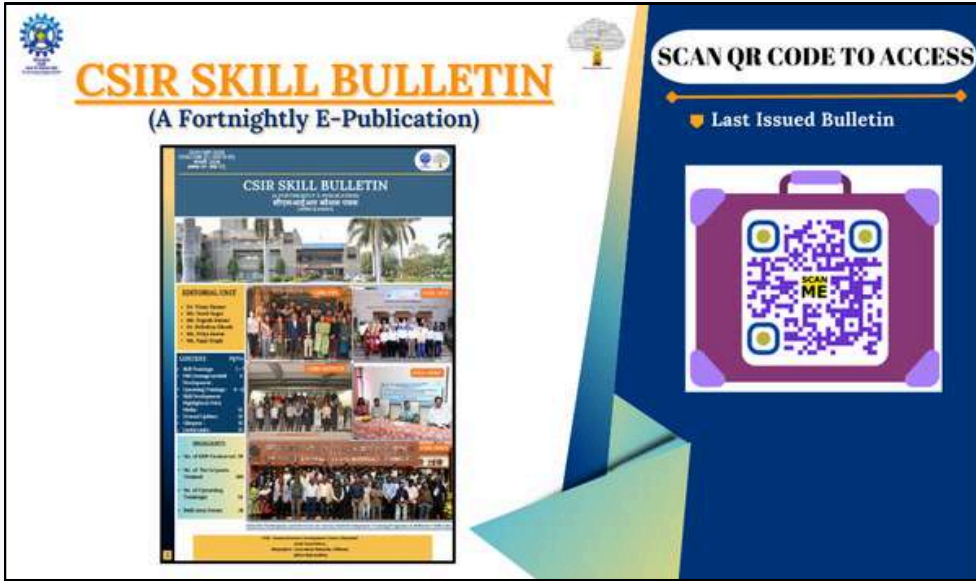
CSIR-NBRI



CSIR-IMTECH

USEFUL LINKS

उपयोगी लिंक्स



CSIR SKILL BULLETIN
(A Fortnightly E-Publication)

SCAN QR CODE TO ACCESS

Last Issued Bulletin

The image shows the cover of the CSIR Skill Bulletin, which is a fortnightly e-publication. It features a grid of images related to skill development and training. To the right of the cover is a QR code that, when scanned, provides access to the latest bulletin.

<https://www.csir.res.in/csir-labs-units>

<https://msde.gov.in>

<https://nsdcindia.org>

<https://ncvet.gov.in>

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



CSIR's Skill Updates

Click/Scan here to Connect with us
<https://www.youtube.com/@CSIR-Skilling>

Scan to Connect

Click/Scan here to see our latest video

Scan to See

**CSIR Integrated Skill Initiative
Phase - III**

Council of Scientific & Industrial Research
(CSIR)
Ministry of Science & Technology, Govt. of India
<https://www.csir.res.in>

The image is a promotional graphic for CSIR's Skill Updates. It features the CSIR logo and a QR code that links to their YouTube channel. Below the QR code, there is a call to action to see their latest video. The graphic also mentions the CSIR Integrated Skill Initiative Phase - III and provides contact information for the Council of Scientific & Industrial Research (CSIR).



CSIR's Skill Updates

WhatsApp CHANNEL!

Scan to Connect

Click/Scan here to Connect with us
<https://whatsapp.com/channel>

Follow Us FOR MORE

Council of Scientific & Industrial Research
(CSIR)
Ministry of Science & Technology, Govt. of India
<https://www.csir.res.in>

The image is a promotional graphic for CSIR's Skill Updates. It features the CSIR logo and a QR code that links to their WhatsApp channel. Below the QR code, there is a call to action to connect with them. The graphic also mentions the CSIR Integrated Skill Initiative Phase - III and provides contact information for the Council of Scientific & Industrial Research (CSIR).

CSIR-Human Resource Development Centre
(Skill Nodal Office)
Sector -19, Central Govt. Enclave,
Kamla Nehru Nagar
Ghaziabad- 203003 (UP) India
E-mail: head.hrhc@csir.res.in
Tele-Ph.: +91-120-2788940/2785053

सीएसआईआर-मानव संसाधन विकास केंद्र
(कौशल नोडल कार्यालय)
सेक्टर -19, केंद्र सरकार एन्क्लेव,
कमला नेहरू नगर
गाजियाबाद- 203003 (यूपी) भारत
ई-मेल: head.hrhc@csir.res.in
टेली-फ़ोन: +91-120-2788940/2785053



(CSIR Integrated Skill Initiative)



CSIR - Human Resource Development Centre, Ghaziabad
(Skill Nodal Office)

सीएसआईआर - मानव संसाधन विकास केंद्र, गाजियाबाद
(कौशल नोडल कार्यालय)