

CSIR SKILL BULLETIN (A FORTNIGHTLY E-PUBLICATION) सीएसआईआर कौशल पत्रक (पाक्षिक ई-प्रकाशन)

Editorial Team

- Dr Vinay Kumar
- Ms Neeti Sagar

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IMAGES: Various Skill Development Training Programs at different CSIR Labs

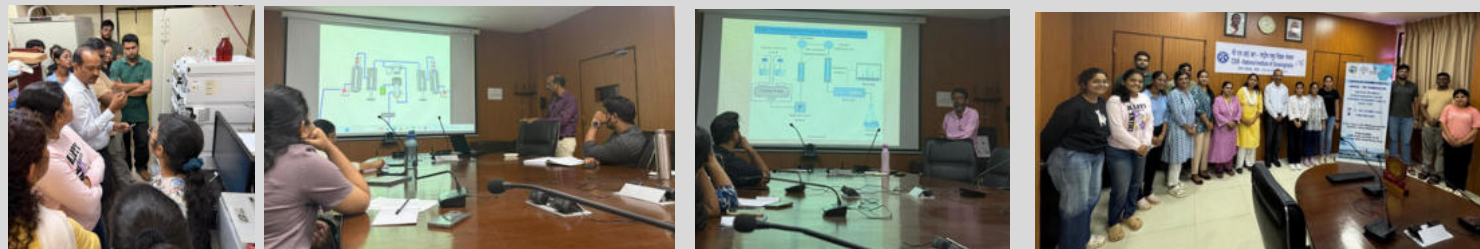
SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

CSIR-IITR, Lucknow conducted a one-day Entrepreneurship Awareness Program (EAP) on “Translating Ideas to Enterprise: A Roadmap for Young Entrepreneurs” under the Entrepreneurship Skill Development Program (ESDP) Scheme of the Ministry of MSME on 8th October 2025. A total of 62 participants attended the workshop. The inaugural session began with a welcome address by Dr. Pradeep Kumar Sharma, Co-Nodal Scientist, Skill Development Programs, CSIR-IITR. The course was coordinated by Dr. K. C. Khulbe (Chief Scientist & Head, RPBD Division), Dr. Ashwani Bhardwaj (Senior Scientist, RPBD Division), and Ms. Himanshi Tripathi (Scientist, RPBD Division).



CSIR-NIO, Goa conducted a 13-day training program on “Basics of High-Performance Liquid Chromatography (HPLC) Analysis” during 6th - 18th October 2025 at CSIR-NIO, Goa. The program aimed to provide comprehensive theoretical and practical exposure to chromatographic techniques, with a focus on HPLC analysis, operation, safety, troubleshooting, and data interpretation. A total of 15 trainees gained hands-on experience in recording, analyzing, and interpreting chromatograms. The lectures and demonstrations emphasized understanding chromatographic parameters, integration techniques, calibration, and ensuring data accuracy and precision. The training successfully combined lectures, practical sessions, and interactive discussions, enabling participants to develop both conceptual understanding and technical proficiency in HPLC operations.



CSIR-NGRI, Hyderabad conducted a training program on “Geophysical Methods for Mineral Exploration” from 06th -11th October 2025, under the CSIR Integrated Skill Initiative. The program started with a brief introduction about the training program. by Dr. Mahak Singh Chauhan, program Co-coordinator, the program was formally inaugurated by Dr. Prakash Kumar, Director, CSIR-NGRI and Dr. Abhey Ram Bansal, Nodal officer and Program Coordinator introduced the participants. A total of 14 participants attended the course, all the Participants represented organizations. The training program was designed for working professionals, research scholars, and master's students to gain in-depth knowledge of Geophysical Methods for Mineral Exploration and their applications in mineral exploration. The participants received hands-on training in Gravity Magnetic, Magnetotelluric, Self-potential, and ERT data acquisition, processing, and modelling using state-of-the-art software and the latest equipment. During the training course, evening yoga sessions were also conducted to promote a healthy mind and support the Fit India initiative among participants.



CSIR-CDRI, Lucknow conducted a training program on "Advanced Spectroscopic (UV, IR, HPLC, LC-MS & NMR) Techniques program" under CSIR Integrated Skills Initiative for which an orientation program was organized on 22nd October 2025 in which 15 candidates (07 Male and 08 Female candidates) from different states participated. The duration of the Skill Development Program from 22nd October 2025 to 12th December 2025.



CSIR-4PI, Bengaluru conducted a training program on "Overview of “Applied Data Science: From Theory to Real-World Impact” Course" under CSIR Integrated Skills Initiative Phase-III during 13th - 17th October 2025. The program covered Mathematical Foundations for Data Science, Foundations of Statistics, Probability, and Regression Models, classical ML algorithms through a balanced mix of theory and hands-on practice to Generative Models. The program was attended by 39 candidates from different states.



CSIR-CIMAP, Lucknow conducted a Training Program on “Pre-Clinical Development of Medicinal and Aromatic Plant-based Leads” from 22nd-26th September 2025 under CSIR Integrated Skills Initiative. The aim of this program was to upgrade professional skills in the specific area of pre-clinical development of herbal products. This program covered practical intensive demonstration on Handling of Laboratory Animals (Mice, Rats, Rabbits), Demonstration of Animal Models for Pain, Inflammation, Fever, Malaria, Sepsis, Hypertension, Diabetes); Animal alternative models in Drug Development (In-vitro animal cell culture and in-silico assay), Demonstration of Chemical signature of Medicinal and Aromatic Plants-derived therapeutic leads and Herbal Formulation Preparations.

30 participants (Female: 14 : Male: 16) from Ayurveda, Veterinary Science, Pharmacy, Biotechnology, Botany, Food Technology, Zoology, Biochemistry, and Microbiology disciplines attended the program. These trainees represent the Pan-India (Goa, Maharashtra, Tamil Nadu, Bihar, Haryana, Panjab, Himachal Pradesh, Orissa, Manipur, Uttar Pradesh).



CSIR-SERC, Chennai organised a three-days Advanced CSIR Integrated Skill Development Training Programme on “Seismic Engineering and Testing (ASCET-2025)” from 7th to 9th October, 2025. The programme was attended by fourteen (14) participants, who gained in-depth knowledge and practical exposure to various aspects of seismic engineering, including testing methodologies and experimental techniques. The training successfully enhanced participants’ technical competence and understanding of seismic behaviour in structural systems.



CSIR-IGIB, New Delhi conducted a 30-Day Advanced Training Course on “Genomics and Molecular Technologies” under CSIR Integrated Skill Initiative from 01st to 30th September 2025. The program provided hands-on exposure to end-to-end whole genome sequencing (WGS) workflows, including DNA library preparation, sequencing, and bioinformatics analysis, aimed at strengthening participants’ understanding of industrial and research applications of WGS technologies.

The training course brought together master’s and PhD scholars (21 nos.) from across India. The sessions combined lectures, hands-on experience, and interactive discussions, fostering a collaborative learning environment and encouraging participants to integrate theory with practice.



CSIR-IMMT conducted a Skill development Program on “Arduino Based Programming and Embedded System Design” at during 24th - 26th, October 2025 for innovators, hobbyists, Atal Tinkering Lab (ATL) instructors, and technical degree students and graduates. The participants expressed that the course was highly informative and well-structured, covering concepts from fundamental electronics to the complete development of standard embedded systems.



CSIR-IMMT, Bhubaneswar conducted a five-day Skill Development Program on “Industrial Instrumentation: Practical Skills for Real-World Applications” under the CSIR Integrated Skill Initiative from 27th to 31st October 2025. The program aimed to impart hands-on experience and practical knowledge in industrial instrumentation, focusing on sensors, signal conditioning, process control, and automation systems. The program was inaugurated by the Director, CSIR-IMMT, who emphasized the importance of skill enhancement in instrumentation for improving industrial efficiency and reliability. A total of 31 participants attended the program. The program sessions included expert lectures, practical demonstrations, and laboratory exercises on real-time instrumentation and control systems. Participants actively engaged in discussions and hands-on experiments, gaining valuable exposure to industrial practices. The program was coordinated by Dr. Santosh Kumar Behera, Senior Principal Scientist, Program and Skill Development Coordinator, CSIR-IMMT. The event received positive feedback from participants for its practical orientation and relevance to real-world industrial applications. The program concluded successfully with the distribution of certificates on 31st October 2025.



CSIR-CECRI, Karaikudi conducted a one-week Industry Oriented Refresher course on “Electroplating and Physical Vapour Deposition-Principles and Practices” during 27th - 31st October 2025 under the aegis of CSIR Integrated Skill Initiative-Phase III as up-skilling training. This programme provided the latest knowledge & skills in the area of Surface coatings and Electroplating. The programme trained 19 Industrial participants [representing Naval Aircraft Yard, Kochi - 4; Ordnance Factory Dum Dum, Kolkata - 2; Bharatiya Reserve Bank Note Mudran (P) Ltd., Salboni - 3; Naval Dockyard, Mumbai - 5; Rajendra Metal Coats, Coimbatore - 1; Self sponsored - 4] by covering different parts of India.

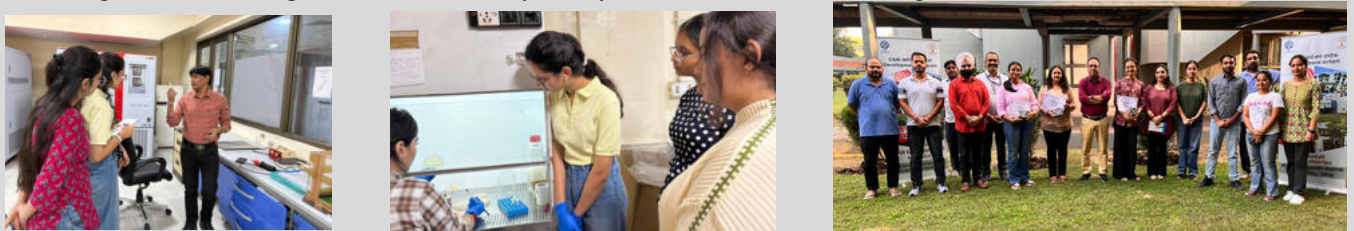
The training programme was inaugurated and divisional activities are explained by Dr. B. Subramanian, Chief Scientist & Electroplating and Electrometallurgy Division. The event was coordinated and hosted by Dr. S.M. Rajendran, Chief Scientist, Head & Nodal Officer of ISI under CECRI's Skill Development Group. It was technically convened by Dr. N. Rajasekaran, Principal Scientist and coordinated by Dr.B.Subramanian and co-coordinated and formal vote of thanks was proposed by Dr. C. Jeyabharathi, Senior Scientist in Electroplating and Electrometallurgy Division.



CSIR-IMMT, Bhubaneswar conducted a Five-day hands-on Skill Development program aims to upgrade participants' knowledge and hands-on skills in Advanced Welding Techniques such as GTAW (TIG), GMAW (MIG/MAG) etc. during 27th - 31st October, 2025. The target participants consists of ITI passed out or Continue in the Trade of Welding. The Venue of course was Central Mechanical Workshop, CSIR-IMMT, Bhubaneswar.



CSIR-IMTECH, Chandigarh, conducted a two-day training workshop on basic microbiology techniques from October 30-31, 2025. The program offered an enriching blend of theory and practical sessions, enabling participants to explore the beauty and intricacy of the microbial world. Ms. Mohini Sharma, Senior Project Associate, guided the trainees through essential microbiological methods, including microbial culture, staining, microscopic observation, and preservation. Dr. Neeraj Khatri, Coordinator of the CSIR Integrated Skill Initiative, emphasized the importance of microbes and the value of hands-on learning in understanding this fascinating field. A total of 30 participants attended the training,



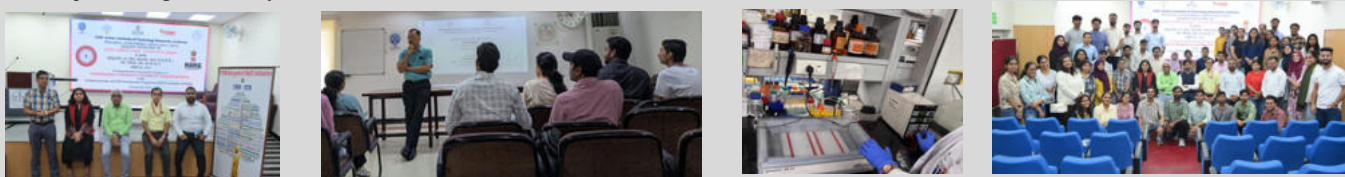
CSIR-IMMT, Bhubaneswar conducted A Skill Development Program on “Metal Craft: Melting, Casting, and Forming of Brass Artifacts” on 28th October 2025. The objective of the program was to provide essential Science and Technology (S&T) interventions in the metal craft sector to enhance productivity and improve the quality of life of artisans. The programme aimed to impart practical knowledge and hands-on training in traditional and modern metal-craft techniques, with a special focus on the melting, casting, and forming processes of brass artifacts. The program commenced with introductory remarks by the coordinators, Dr. A.K. Chaubey, Chief Scientist, and Dr. Silani Sahoo, Principal Scientist, CSIR-IMMT, Bhubaneswar. They emphasized the need for collective efforts to revitalize the heritage metal crafts of Odisha. A total of 30 participants attended the training, including artisans, students, research scholars, and industry personnel from various institutions and organizations. Participants gained hands-on experience in operating brass melting furnaces (both modified coke-fired and resistance melting furnaces) and metal forming operations for making brass thali by using deep drawing press. The participants actively engaged in interactive discussions, indicating great enthusiasm and creativity. Certificates of participation were distributed to all trainees.



CSIR-NPL, New Delhi conducted a training program on Impedance Metrology from 29th -30th September 2025 under the CSIR Integrated Skill Initiative Program. The program was attended by 10 participants from diverse sectors, including STQC laboratories, IDEMI Mumbai, accredited laboratories, and academic & research institutions.



CSIR-IITR, Lucknow conducted a three-day workshop on “Genotoxicity” under the CSIR-Integrated Skill Initiative during 17th – 19th September 2025. Participants from various universities took part in the workshop, representing a wide range of academic levels. The workshop was inaugurated by Dr. Ravi Ram Kristipati, Nodal Scientist, Skill Development Programs, CSIR-IITR, with inaugural remarks delivered by Dr. Bhaskar Narayan, Director, CSIR-IITR. The course was coordinated by Dr. Alok K. Pandey, Senior Principal Scientist, CSIR-IITR. The workshop provided hands-on training in genotoxicity assessment methods, including Micronucleus Assay, Comet Assay, and Chromosomal Aberration Test, enabling participants to gain practical insights into genetic toxicity testing techniques.



CSIR-IMMT, Bhubaneswar, conducted a two days Bakery Skill Development Training Program 29th -30th October 2025 under CSIR Integrated Skill Initiative. The program aimed at empowering rural youth and women through hands-on bakery production and entrepreneurship education. The primary goal of the training was to provide participants with practical baking skills, food safety awareness, and business knowledge to promote self-employment in the rural and semi-urban food sector. The bakery training module was specifically designed to help participants start small-scale bakery units or engage in cooperative-based production ventures. Participants received detailed exposure to ingredient selection, dough formulation, baking techniques, product finishing, packaging, and hygiene management. A total of 34 participants attended the program, out of which 24 are female participants.



UPCOMING EVENTS

आगामी आयोजन

SKILL DEVELOPMENT PROGRAMME

Remote Sensing and Geographic Information System applications in Environmental Impact Assessment and Management

CSIR-NIIST
THIRUVANANTHAPURAM

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

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

DATE:
November 18-22, 2025

COURSE FEE:
Rs. 2000/- for students,
Rs. 5000/- for sponsored candidates

COURSE COORDINATORS:
Dr. SAURABH SAKHRE
(Senior Scientist, CSIR-NIIST)
saurabh@niist.res.in, 9168078008

Dr. SRAVANTH T.
(Senior Scientist, CSIR-NIIST)
sравanth@niist.res.in, +91 9581948548

COURSE BENEFIT
Environment Impact Assessment (EIA) is the study to predict the effect of a proposed activity on the environment. EIA is a decision making tool which compares various alternatives for a project and arrives at one which represents the best combination of economic and environmental cost benefits. Remote sensing and GIS techniques, on the other hand, gaining popularity with recent advancements in geo-spatial techniques, tools and algorithms which finds a wide application in the process of EIA. This course offers an overall understanding of EIA, Remote Sensing, GIS and virtual hands on experience with an open source software for carrying out Land use land cover analysis. This also covers case studies of full scale EIA, impact of development on land, water and macro-climate environment. This course will lead to increased employability of the participants as it blends theoretical, practical as well as applied aspects of the subject.

COURSE OBJECTIVES

- To understand Remote Sensing Technologies
- To achieve hands-on proficiency in GIS Tools and Techniques
- To understand Environmental Impact Assessment (EIA) Framework
- To integrate Remote Sensing and GIS in Decision Making
- To provide overview of Case Studies and Practical Applications of RS and GIS

MODE OF TRAINING
Online

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






CSIR Integrated Skill Initiative
CERTIFICATE COURSE ON SKILL DEVELOPMENT IN COMPUTATIONAL APPROACHES TO DRUG DESIGN AND DEVELOPMENT (CAD)
CSIR- Central Drug Research Institute, Lucknow

ABOUT THE COURSE

To fill the gap between university curriculum and industry needs, the course focuses on in silico methods including Structural Bioinformatics, Computational Chemistry, AI, quantum, statistical, and physical techniques

COURSE DETAILS

Duration : 6 Weeks (10 Nov-19 Dec 2025)
Seats : 10
Venue : Centre for Bioinformatics & Computational Biology, CSIR-CDRI, Lucknow
Course Fee : Rs. 10,000/-

ELIGIBILITY

M.Sc. (Chemistry/Physics/Life Sciences/Biotechnology/Bioinformatics)
M.Pharm (Pharmaceutical Chemistry/Medical Chemistry)
M.Tech (Biotechnology/Bioinformatics)
Basic computer knowledge is essential

APPLICATION TIMELINE

From 15th Sep to 15th Oct, 2025

RESOURCE PERSON

Dr. M.I. Siddiqi,
Email: m.i.siddiqi.cdri@csir.res.in






SCAN HERE!
For more details and application

Empowering Next-Generation Resource with Computational Skills in Drug Discovery

CSIR INTEGRATED SKILL INITIATIVE

HANDS-ON TRAINING IN ELECTRON MICROSCOPY TECHNIQUES

Master the tools that power modern biology through hands-on training at CSIR-CDRI. Stand out in nanotech, & life sciences with real-world skills & career-ready expertise.

03rd Nov to 21st Nov, 2025

B.Sc., M.Sc., B.Tech., M.Tech., Ph.D. in Life Sciences and related fields
Basic understanding of optical microscopy is required

- Hands-on EM training: TEM, SEM
- Small Batch Size
- Career-Boosting Insights & Tips
- Discover Opportunities That Match Your Passion

Course Coordinator: Dr. Kalyan Mitra
k.mitra.cdri@csir.res.in

LIMITED SEATS ₹ 15000/-

0522-2771057 <https://www.cdri.res.in/sdptraining>

CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow, 226031 (Uttar Pradesh)




Visit For Registration & Details
<https://www.cdri.res.in/sdptraining>

OR
Scan QR code



JOIN NOW

LAST DATE:
24th Oct, 2025

WORKSHOP ON ISOLATION, CHARACTERIZATION, AND DIFFERENTIATION OF MESENCHYMAL STEM CELLS

NOVEMBER 18-19, 2025 Last date to Register: November 05, 2025

WHAT PARTICIPANTS WILL LEARN IN THE WORKSHOP

1. What are Mesenchymal stem cells (MSCs)?
 - Isolation strategies
 - Characterisation methods:
 - Morphology assessment by microscopy
 - Immunotyping by Flow cytometry
2. Differentiation: Adipogenic (fat) and Osteogenic (bone)
3. Detection approaches
 - Staining: Oil Red O/Nile Red, and ALP/Alizarin Red S staining
 - Molecular markers



Benefits to participants:

- Learn about the Properties, Sources, Capabilities, and Applications of MSCs
- Gain knowledge on working with MSCs and the use of phase contrast microscopy and flow cytometry

CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS

THE 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 REFUNDABLE, UNLESS THE COURSE IS CANCELLED. DO NOT BOOK YOUR TICKETS UNTIL WE SEND YOU A CONFIRMATION MAIL FROM OUR SIDE.

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH, (CSIR-IITR) VISHVIGYAN BHAWAN, 31 MAHATMA GANDHI MARG, LUCKNOW-226001







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

SCAN HERE FOR PAYMENT

Venue
CSIR- IITR
M.G. Marg

For queries, contact:
Monika Yadav (Project Associate-I)- 7905199463
Aastha Chandra (Project Associate-I)- 9565973888
Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236
sdp1.iitr@iitr.res.in, sdp1iitr@gmail.com






CSIR-CCMB

Skill Development Program
On
“Medical Students Research Training” (MedSRT-5)
08th - 20th December 2025

The Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad invites applications from MBBS students (2nd & 3rd years) to participate in a 2-week “Medical Students Research Training” (MedSRT) program. This program is specifically designed for medical students, and it offers training on research methodologies through a series of lectures and hands-on experiments. The students would be also exposed to scientific ethics, good laboratory practices, biosafety and various research facilities at CCMB and its Annexes.

No. of seats	: 20-25
Target Audience	: M.B.B.S 2 nd & 3 rd Year Students
Dates	: 08 th - 20 th December 2025
Mode of the Course	: In-house training at CCMB, Hyderabad
Mode of selection	: Application form & Statement of Purpose
Fee Particulars	: Fee and Accommodation will be taken care by CCMB
Course Code	: MedSRT-5




Application Process:

- Apply using the Scanner or link http://recruitment.ccmb.res.in/training_programs/MedSRT/
- Applicants must upload a forwarding “No Objection Certificate” from HOD/Principal of the University/ College/ Institute.
- Statement of Purpose (SOP) for attending this program and a brief biodata.


Salient Features of the Training:




- Expert instructors/Resource Persons will provide lectures and hands on training
- Exposure to laboratory safety regulations
- Interaction with the leading scientists and experts in the field
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation will be issued to the participants

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



Scan to Apply



CSIR-CCMB

Skill Development Program
On
“Nanotheranostics for Biomedical Applications”
10th to 14th November 2025

CSIR-Center for Cellular and Molecular Biology shall conduct a hands-on training workshop for five days on “Nanotheranostics for Biomedical Applications” (NANO-3) 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 training is intended to train about the basic techniques of Nanotheranostics for research in various experiments and supplemented with informative lectures, hands-on training, instrument set-up, data collection and analysis.

No. of seats	: 12-14
Minimum Qualification	: Masters in any branch of Life Science/Allied areas
Dates	: 10 th to 14 th November 2025
Mode of the Course	: In-house training at CCMB
Mode of selection	: Application form & Statement of Purpose
Course Fee	: Rs. 18,000/- (including accommodation)
Apply using the link	: http://recruitment.ccmb.res.in/training_programs/sdp/

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

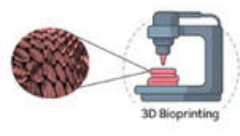
Synthesis of:

- Metal nanoparticles
- Polymer nanoparticles
- Targeted nanoparticles
- Organic quantum dots

3D Bioprinting of Hydrogels
Nanotheranostics applications of few synthesized Particles

Characterization study using high-end instruments:

- TEM
- SEM
- FTIR
- Fluorescence Spectroscopy
- Fluorescence Microscopy




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

Training Coordinator:
Dr. Ira Bhatnagar
Principal Scientist
CSIR-CCMB,
Hyderabad.

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

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CSIR- Centre for Cellular & Molecular Biology

Skill Development Program
On
Zebrafish Husbandry & Microinjection

Course Curriculum includes:
Lectures and Hands-on-sessions on the following topics:

- Zebrafish as Model Organism
- Zebrafish husbandry
- Microinjection
- Gene Editing Techniques
- Imaging



Training Dates
05th to 10th January 2026

About the course:




❖ Duration	: 1 week
❖ No. of seats	: 12
❖ Target Audience:	Students/ Faculty /Scientists /Professionals with a Masters in Life Science or Allied areas
❖ Mode of the Course:	In-house training at CCMB
❖ Mode of selection:	Online- Application form & Statement of Purpose.
❖ Course Fee:	INR 18,000/- (Incl. GST & Accommodation)
❖ Course Code:	ZHM-2

Course Coordinator:
Dr. Megha Kumar
Senior Scientist
CSIR-CCMB

Program Coordinator:
Dr. Archana B. Siva
Chief Scientist
Nodal Scientist - Skill Development Program
CSIR-CCMB
sdp.ccmb@csir.res.in


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CSIR-CCMB

Skill Development Program
On
“Introduction to IPR and Patents”
04th - 06th February 2026




CSIR-Center for Cellular and Molecular Biology is conducting a hands-on training on “Introduction to IPR and Patents” (IPRPAT-3) 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 training is intended to train into various aspects of intellectual property management and it will be supported by lectures along with hands-on exercises by experts to develop a deeper understanding of the concepts.

No. of seats	: 10-12
Minimum Qualification	: Bachelors in any branch of Life Science /Allied areas
Dates	: 04 th - 06 th February 2026
Mode of the Course	: Hybrid mode
Mode of selection	: Application form & Statement of Purpose
Course Fee	: Rs. 7,500/- (including GST & Accommodation)
Apply using the link	: http://recruitment.ccmb.res.in/training_programs/sdp/
Course Code	: IPRPAT-3

Training Curriculum for Course:

- Evaluating patentability of inventions
- Mining Patent Literature
- IP databases
- Patent drafting & Filing.
- Patent Valuation
- Sequence Listing
- Structuring a Licensing deal
- Technology landscaping
- Technology Assessment




Salient Features of the Training:

- Skilled resource persons will provide lectures and hands-on exercises
- 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. Divya Singh
IP 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

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BASIC SKILL DEVELOPMENT TRAINING ON "Spectroscopic Analytical Techniques - IR" (10th-14th Nov, 2025)

CSIR-INDIAN INSTITUTE OF PETROLEUM

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

As per the initiatives taken by the institute under "CSIR-IP Integrated Skill Development Training Programs", applications are invited from eligible participants for training program on "Spectroscopic Analytical Techniques IR".

Our Analytical Sciences Division is equipped with range of analytical instruments, numerous test measurement instruments and our scientists having vast knowledge base and working experience. The participants will acquire a broad working knowledge of spectroscopic analytical testing/evaluation techniques using IR.

CSIR INTEGRATED SKILL INITIATIVE

GET IN TOUCH

Sh Premechand Neruau
Co-ordinator, Skill Development Training Program
CSIR-Indian Institute of Petroleum, Mohanpur,
Hardwar Road Dehradun - 248008

E-mail: premechand.neruau@iip.res.in
Sh Premechand Neruau,
Tel No 0135-2522952(O), M- 9468706842
E-mail: rajnish.bhatnager@iip.res.in
Sh Rajnish Bhatnager,
Tel No 0135-2522952(O), M-9218591925

CSIR INTEGRATED SKILL INITIATIVES

BASIC SKILL DEVELOPMENT TRAINING ON "SPECTROSCOPIC ANALYTICAL TECHNIQUES- IR"

OBJECTIVES & SCOPE
Training is aimed at providing in depth knowledge and hands on experience on various spectroscopic analytical techniques to those new to the R&D institute/industry or wish to develop their career further in the relevant QA/QC area with more strengthened analytical approach.

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

CONTENTS

- Basics of analytical chemistry
- Qualitative and quantitative analysis: Pre-requisites
- Various sample preparations Analytical approaches using FTIR
- Analytical approaches using FTIR
- Theory, instrumentation & analysis using FTIR
- Data and interpretation

CSIR INTEGRATED SKILL INITIATIVE

IMPORTANT DATES

Last date for submission of Application : 05th Nov 2025
Course Duration : 10th-14th Nov, 2025

Seats are limited to a maximum of 15 participants. Register early!

PRE-REQUISITES / QUALIFICATION
Having graduation and post graduation in Chemical Sciences & Petroleum Engg.
Age: 20-40 years (Age/qualification relaxation as per Govt. of India rules/discretion of Director, CSIR-IP).

WHO SHOULD JOIN
Resident Indian having desire to work in the areas of R&D/Quality Control OR wants to acquire broad knowledge of Spectroscopic Analytical approach to instrumental testing and evaluation for competitive examinations.

SALIENT FEATURES OF THE PROGRAM

- Theory / Practices - 20 / 80
- Small group of trainees in each program
- Interactive sessions for in-depth knowledge sharing
- Evaluation of trainees will consist of both Theory & Practical component
- Certificates will be awarded on successful completion of the training

COURSE FEES / TERMS AND CONDITIONS

- Candidates have to apply as per the application format in the given link below along with one set of self-attested documents (Hard copy of application).
- All documents in original to be shown at the time of enrolment.

FORM DOWNLOAD (pdf)

CSIR INTEGRATED SKILL INITIATIVE
A non-refundable course fee of ₹ 1000 (Rupees One Thousand only) per person is applicable for students/unemployed candidates, and ₹10,000 (Rupees Ten thousand only) for sponsored candidates.
The SC/ST/PwD candidates will get 25% discount in the above fee structure. Course fee shall be paid through electronic mode after confirmation only.
Boarding & Lodging charges extra as per the prevailing rates of IP Hostel and subject to availability.

Name of Bank : State Bank of India
Name of the account holder : Director, Indian Institute of Petroleum, Dehradun.
Bank Account No : 30286912400
Branch : IIP Township, Mohanpur Dehradun, India
SWIFT Code : SBININ3300
11 Digit IFSC Code : SBIN002359

TRAINING VENUE - CSIR-Indian Institute Of Petroleum P.O.: IIP Mohanpur, Hardwar Road, Dehradun-248005, Uttarakhand (India).



CSIR-INDIAN INSTITUTE OF PETROLEUM

श्रीमान् CSIR
विकास एवं प्रौद्योगिकी संस्थान
The Institution Engineer of India

Skill Development Workshop on Leveraging Artificial Intelligence (AI) in Research

11th - 12th Dec 2025

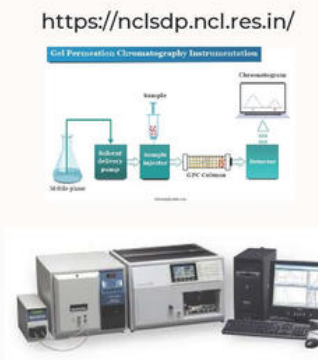
Organized by Business Development Group (BDG)
CSIR – Institute of Microbial Technology (IMTECH)
Sector 39A Chandigarh 160036

CSIR INTEGRATED SKILL INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Polymer Characterisation With GPC Techniques"

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



ABOUT COURSE
Gel permeation chromatography (GPC) is used in various industries like polymer, pharmaceutical, food, materials etc. It is the essential and important laboratory techniques used for material characterisation. GPC is the most powerful method for determining average molecular weight and polydispersity of polymer samples. This course provides a detailed knowledge of theory, sample preparation, data generation, analysis, report preparation, and trouble shooting w.r.t gel permeation chromatography. After successful completion of the course the candidate will be able to analyse and interpret the data and will acquire software expertise.

COURSE CONTENT
GPC- Introduction to GPC Technique, history and development, Purge, Column and detectors, Sample method development, Live demonstration of sample run, Analysis and troubleshooting etc.

PRIME INSTRUCTOR & TEAM
Mrs. Poorvi Purohit

COURSE DETAILS
Duration: 1 Week
Date: 20th November to 28th November 2025
No. of Seats: 15
Eligibility: B.Tech., M.E., M.Tech

COURSE FEES
Students: 3500/-
Faculty: 11800/-
Industrial Professional: 25000/-
(The fees stated include 15% GST)
(Accommodation) 3 weeks - 2 days with affordable charges

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

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

Here is the reason why WHY CHOOSE US

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

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

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

Envalor
Imagine the Future
CSR Sponsor



Advanced Course on Wind Loads and Effects on Structures (WiLES - 2025)

17-19 December 2025
(under CSIR Integrated Skill Initiative)



Organised by
CSIR- Structural Engineering Research Centre
(An ISO 9001: 2015 certified organisation)

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. The Centre is recognised at the national and international levels as a leading research institution in Structural engineering.



Wind Engineering Laboratory (WEL)

Wind Engineering Laboratory of CSIR-SERC has a State-of-The-Art Boundary Layer Wind Tunnel (BLWT) facility, which is one of the largest BLWTs currently available in our country. The research group at WEL has developed expertise in conducting wind tunnel investigations on reduced scale models of buildings/structures, full-scale field experiments on cyclone wind characteristics along with structural response of towers under ambient wind conditions, and Computational Fluid Dynamics simulations on bluff bodies, in line with International practices. Cyclone Disaster Mitigation is one of the major thrust areas of research in the laboratory. WEL has contributed towards formulation and revision of various Indian codes of practice relevant for wind loads. WEL has also been continuously providing high-end technical service to the industry via consultancy / sponsored projects.

Background

The evaluation of wind loads for the design of buildings/structures necessitates understanding of the random nature of wind and its effects on buildings/structures. The present academic curriculum for Civil/Structural Engineering provides limited coverage of Wind Engineering. This course aims to provide clear exposure to the fundamentals of Wind Engineering and background to the design practices adopted for evaluating the wind loads that govern the structural design of buildings and various types of structures.

Objectives

The primary objective of the course is to provide an opportunity for practicing design engineers, consultants, engineering professionals, researchers and academicians in familiarising themselves with basic and design wind speed, design wind pressure, wind loads and their effects on buildings/structures by providing background to relevant codes of practices.

Course Contents

- Introduction to Wind Engineering
- Background to basic and design wind speeds given in IS 875 (Part 3)
- Bluff-body aerodynamics
- Dynamic wind effects on buildings and structures
- Background to Gust Factor
- Wind loads and their effects on chimneys, tall buildings, long span bridges, low-rise industrial structures, lattice towers, wind turbine support structures, etc.

Visit to various laboratories of CSIR-SERC will also be organised.

Faculty

Faculty for the course would comprise mainly scientists from CSIR-SERC and few experts from academia and industry.

Prerequisites

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

Venue & Duration

Training and Development Complex, CSIR-SERC, Chennai
Timing: 9.30 a.m. to 5.00 p.m.

Registration and Fee

Rs. 3000/- per participant inclusive of GST for working professionals, Rs. 1500/- for student participants at 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 with the URL below:
<https://serc.res.in/course>

Travel, Boarding and Lodging Arrangements

The participants or their sponsoring organisations must bear the travel, boarding and lodging expenses. Limited accommodation in the Guest House/Trainee's Hostel at CSIR-SERC Campus may be arranged on a first-come-first-serve 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 07th December 2025.

Scan QR code for course promo



Contact Us

Dr. P. Harikrishna / Dr. M. Keerthana
Course Coordinators (WiLES-2025)
CSIR-Structural Engineering Research Centre
CSIR Campus, TTTI (Post), Taramani, Chennai - 60011

Tel: (91) (44) 2254 9160/ 9165/ 9166
Fax: (91) (44) 22541508
harikrishna.serc@csir.res.in /
keerthana.serc@csir.res.in
<https://www.serc.res.in>

National Skill Development Training Program on "MICROALGAL LIPIDOMICS AND BIOECONOMY: PROCESS ENGINEERING, SCALE-UP, AND ADVANCED GC-MS PROFILING"

(Supported by the Ministry of MSME, Government of India)

In alignment with the Government of India's Skill Development Initiative, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) is pleased to announce a five-day residential hands-on training program titled "Microalgal Lipidomics and Bioeconomy: Process Engineering, Scale-up, and Advanced GC-MS Profiling."

This advanced workshop aims to build technical competence and practical skills among young researchers, faculty members, and industry professionals in the emerging field of microalgal biotechnology and lipidomics. Considering the futuristic potential of microalgae-derived bioeconomy in nutraceutical, pharmaceutical, feed, and renewable energy sectors, this training will bridge the gap between laboratory-scale innovation and industrial-scale implementation.

Participants will receive hands-on exposure to:

- Microalgal cultivation and bioprocess optimization
- Lipid extraction, transesterification, and FAME profiling
- Process engineering and scale-up methodologies
- GC-MS-based analytical workflows for lipidomics research

ELIGIBILITY

MSc and M.Tech, PhD scholars, early-career researchers, faculty, and industry professionals working in Algal Biotechnology and Related Fields

NUMBER OF SEATS
25 only

NATURE OF SUPPORT
A comprehensive residential training program that includes food, accommodation, and applicable travel and other associated expenses either fully or partially.

REGISTRATION DETAILS

Interested candidates are requested to register online by filling out the form available at:
<http://sdp.niist.res.in>

(Registration is open until **December 31, 2025** or until seats are filled.)

For further information, contact:

Coordinator:
Dr. V. Moni, monivishnu@niist.res.in
Principal Investigator:
Dr. Muthu Arumugam,
arumugamm.niist@csir.res.in

DATE: January 27-31, 2026
VENUE: CSIR-NIIST, Thiruvananthapuram
SUPPORTED BY: Ministry of MSME, Government of India and CSIR-NIIST, Trivandrum



CSIR INTEGRATED SKILL INITIATIVE

SKILL DEVELOPMENT PROGRAMME ON SCIENTIFIC INSTRUMENTATION AND ANALYTICAL TECHNIQUES FOR AYURVEDIC RESEARCH

To
**Post Graduate Students of
Department of Rasashastra and
Bhaishajya Kalpana
Government Ayurveda Medical College,
Thiruvananthapuram**



SKILL DEVELOPMENT PROGRAM ON MECHANICAL TESTING AND THERMAL CHARACTERIZATION



This short-term skill development course aims to impart hands-on training and theoretical insights into modern techniques of mechanical testing and thermal characterization of materials. The program is designed for students, researchers, and industry professionals seeking to enhance their understanding of material behavior under different loading and thermal conditions.



Who can attend?

- Undergraduate and postgraduate students in Materials, Mechanical, Physics, Chemistry, Nanomaterials, Polymer and Metallurgical Engineering
- Research scholars working in material design, testing, or characterization
- Industry professionals involved in product development, thermal characterization and failure analysis

Exposure and Course Outcomes

- Tensile, compression, hardness, Wear and impact testing
- Thermal analysis (DSC, TGA, DTA, TMA) and Thermal conductivity and heat-capacity measurements
- Data interpretation and data analysis



DURATION

3 days

DATE

26-28 November 2025

COURSE COORDINATOR

Dr. Parijat Pallab Jana

TEAM

Dr. S.S. Sreeja Kumari, Dr. A. Srinivasan and Dr. T.P.D. Rajan

COURSE FEE

Student: Rs. 1000/-
Academic/Industry Professional: Rs. 2000/-

ACCOUNT DETAILS

The Director, CSIR-NIIST

Account No: 67047723825

IFSC Code: SBIN0070030

Bank: State Bank of India (SBI)

Address: Pappanamcode, Industrial Estate

CONTACT DETAILS

0471-2515326

sdp@niist.res.in



Apply Online : <http://sdp.niist.res.in>



CSIR-NIIST is inviting applications for the fully funded one-week residential entrepreneurship development program entitled

1G, 2G ETHANOL & BIOFUELS – PROCESS DEVELOPMENT, ANALYSES, OPPORTUNITIES, AND PILOT SCALE OPERATION & ENTREPRENEURSHIP AWARENESS PROGRAM

The program is fully sponsored by: Ministry of Micro, Small and Medium Enterprises, Government of India

Venue: CSIR-NIIST, Thiruvananthapuram

Program Date: December 1-6, 2025

Last date to apply: November 20, 2025

Apply online & filled application forms (in PDF format) must be sent to: esdp.niist@gmail.com

Nature of Support

Free lodging, food, training fees, travel and other expenses will be covered either fully or partially by the institute.

Who can apply?

- Graduate Students preferably in the area of Biotechnology/Chemical/Food/Mechanical Engineering streams
- Entrepreneurs working in the similar area
- Industrial persons/Faculties working in various private and government sectors

Terms and Conditions

- Selected candidates shall attend the program physically
- Attendance (100%) is mandatory
- The selected candidates should follow the institute's rules and regulations strictly.
- The Course content, Videos for these training programme must not be shared with any other institute.

Selection Criteria

- Academic performance
- Entrepreneurship experience
- Industrial experience
- Reservation as per Govt rules would be followed



About the program

India is determined to increase the blending of bio-ethanol by 20% in the year 2025 and wide range of activities such as 2G ethanol (Pradhan Mantri JI-VAN Yojana), World Biofuel Alliance, National Policy on Biofuels and BioE3 policies are initiated by Govt of India. Further Govt has allowed production of bioethanol from wide range of sources such as lignocellulosic biomass, decayed grains, sugarcane juices, rice etc., are also promoted. With this context, Microbial Division of CSIR-NIIST is conducting a training program on the pilot plant operation and production of 1G/2G ethanol from wide range of agro produces and salient features of this program includes:

- Hands on training on operation of fermentors and distillation columns in pilot scale
- Operation of 100 kg/hr boilers and cooling towers
- Theory on process design and scale-up
- Quality analysis via GC, HPLC and other analytical equipment
- One day visit to ethanol production industries



Fully functional bioethanol production unit



Analytical facilities for biofuel profiling



About the Institute

CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST) is one of the thirty-seven constituent laboratories of the Council of Scientific and Industrial Research (CSIR), the premier R & D organization under the Ministry of Science and Technology, Government of India. Tagged as the interdisciplinary face of CSIR, the Institute stands as a beacon of excellence, with our legacy etched in cutting-edge research works and innovative breakthroughs that have transformed the landscape of various domains.

About the Department

• First-of-its-kind pilot plant facility in India for processing of agro residues to produce 2G ethanol. The plant has all operations from biomass milling, High-pressure pretreatment reactor, Neutralization reactor, Hydrolysis Reactor, Fermenter and ethanol distillation units with a processing capacity of 100 kg biomass/batch.

• ANALYTICAL FACILITY: HPLC, GC, HPTLC, FTIR, GC-MS, Spectrophotometers, Multimode readers, etc., for biomass profiling



Skill Coordinator

Mr. Moni V.
Senior Principal Scientist & Head, ITSU
CSIR – NIIST, Thiruvananthapuram
Email: sdp@niist.res.in

Training Coordinator

Dr. Venkatesh T.
Senior Scientist & Assistant Professor
CSIR – NIIST, Thiruvananthapuram
Email: venkatesh@niist.res.in
Mob: +91 7894878293

For assistance in application, may please contact (Only Whatsapp)

- Anju Das, Project Assistant, CSIR NIIST. Mobile no: +91 6238175970
- Vijn P. Wilfred, Project Assistant, CSIR NIIST. Mobile no: +91 9633614653

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

ANNUAL CALENDAR OF SKILL TRAININGS BY CSIR LABS

सीएसआईआर प्रयोगशालाओं द्वारा कौशल प्रशिक्षणों के वार्षिक कैलेंडर

CFTRI SHORT TERM COURSES SCHEDULE FOR FY 2025 – 26				
COURSE CODE	TITLE OF THE COURSE	DEPT / Location	COURSE ORGANIZER	ALLOTTED DATES
STCH-01	Training programme on fruits and vegetable products	RC- HYDERABAD	Mrs. K.Sathya Mala, Dr. P.G. Prabhakara Rao, Dr. S.V.N Vijayendra	15.04.2025-17.04.2025 (3 days)
STCL-02	Training Program on Fruits and vegetable Processing (Batch 1)	RC-LUCKNOW	Dr. P.P.Godwal, Dr. Khushbu Sharma, Dr. Leela Chaudhan	22.04.2025-24.04.2025 (3 days)
STC-03	Training on mammalian cell culture technique	DOB / Mysuru	Dr. Haritha Pynam	14.05.2025-16.05.2025 (3 days)
STCH-04	Training programme on mango product	RC- HYDERABAD	Mrs. K.Sathya Mala, Dr. P.G. Prabhakara Rao, Dr. S.V.N Vijayendra	14.05.2025-16.05.2025 (3 days)
STC-05	Cell Culture and Molecular biology Techniques	DOB / Mysuru	Dr. Anbarasa K	13.05.2025-15.05.2025 (3 days)
STC-06	Fumigation, Prophylaxis and pest management technique for stored food commodities. (Batch 1)	FPIC / Mysuru	Mr. H E Krishniah	16.05.2025-30.05.2025 (15 days)
STCL-07	Training Program on Fruits and vegetable Processing (Batch 2)	RC-LUCKNOW	Dr. P.P.Godwal, Dr. Khushbu Sharma, Dr. Leela Chaudhan	21.05.2025-23.05.2025 (3 days)
STCL-08	Training Program on Bakery and Confectionery Products (Batch 1)	RC-LUCKNOW	Dr. P.P.Godwal, Dr. Khushbu Sharma, Dr. Leela Chaudhan	03.06.2025-05.06.2025 (3 days)
STC-09	Laboratory animal techniques, ethics and welfare	DOB / Mysuru	Dr. Muthukumar S.P, Dr. Manjunatha Prabha B.H.	09.06.2025-13.06.2025 (5 days)
STC-10	Analytical technique for spices	PPSFT / Mysuru	Dr. Shivkumar, Dr. Sachin Chaudari	09.06.2025-13.06.2025 (5 days)
STCH-11	Training programme on millet products	RC- HYDERABAD	Mrs. K.Sathya Mala, Dr. P.G. Prabhakara Rao, Dr. S.V.N Vijayendra	11.06.2025-13.06.2025 (3 days)
STC-12	Integrated Solid Waste and Wastewater Management in the Food Industry	FPIC / Mysuru	Dr. Sandeep Narayan Mudliar	16.06.2025-20.06.2025 (5 days)
STC-13	Essentials of Packaging Technology for Thermal Processing Applications in extension of Shelf Life and Food Safety	FPT / Mysuru	Dr. Prabakaran P	23.06.2025-25.06.2025 (3 days)

CSIR-CFTRI

CFTRI SHORT TERM COURSES SCHEDULE FOR FY 2025 – 26				
STC-14	Ginger and Tamarind technologies and value addition	PPSFT / Mysuru	Dr. B.B. Borse, Dr. Anil Kumar K	02.07.2025-04.07.2025 (3 days)
STCL-15	Training Program on Bakery Products (Batch 2)	RC-LUCKNOW	Dr. P.P.Godwal, Dr. Khushbu Sharma, Dr. Leela Chaudhan	08.07.2025-10.07.2025 (3 days)
STC-16	Basics in Flour Milling and Quality Evaluation of Flour	FMBC / Mysuru	Dr. Suresh Diliprao Sakhar	07.07.2025-11.07.2025 (05 days)
STC-17	Sensory Analysis-An approach to consumer preference.	TFAN / Mysuru	Dr. Amudha Senthil, Dr. M.R.Asha	16.07.2025-18.07.2025 (3 days)
STC-18	Technique in Algal and plant biotechnology	PCBT / Mysuru	Dr. Sreedhar R.V, Dr. Thirumalesh B.V.	21.07.2025-23.07.2024 (3 days)
STC-19	Techniques related to molecular nutrition	MDT / Mysuru	Dr. Gopinath MS	23.07.2025-25.07.2025 (3 days)
STC-20	Post-Harvest Technologies for Fruits and Vegetables	FVT / Mysuru	Dr. P.S.Negi	21.07.2025-01.08.2025 (10 days)
STC-21	Spices Processing and value Addition	PPSFT / Mysuru	Dr. Pushpa S Murtiv, Dr. Sachin Chaudari	04.08.2025-08.08.2025 (5 days)
STC-22	Strategies for probiotic dairy product development	MFT / Mysuru	Dr. Prakash M Halani	11.08.2025-13.08.2025 (3 days)
STC-23	Chromatography Techniques (GC,HPLC,UHPLC) and their analytical approaches in food analysis	CIFS / Mysuru	K. Vascharevelu	18.08.2025-22.08.2024 (5 days)
STC-25	Baking Science and Technology	FMBC / Mysuru	Mrs. Cravina Kasar	18.08.2025-22.08.2025 (5 days)
STC-26	Grain Process and Products for Health and Wellness	GST / Mysuru	Dr. Meera MS	01.09.2025-03.09.2025 (3 days)
STC-27	Advances in value addition of meat, poultry and fish products.	MMS / Mysuru	Dr. Tanaji G Kudre	08.09.2025-12.09.2025 (5 days)
STC-28	Fumigation, Prophylaxis and pest management technique for stored food commodities. (Batch 2)	FPIC / Mysuru	Mr. H E Krishniah	12.09.2025-26.09.2025 (15 days)
STC-29	Advance in Laboratory Animal science: Technique, Ethics, and welfare	DOB / Mysuru	Dr. Manjunatha Prabha B.H, Dr. Muthukumar S.P.	13.10.2025-15.10.2025 (3 days)

CFTRI SHORT TERM COURSES SCHEDULE FOR FY 2025 – 26				
STCH-30	Training programme on tomato product	RC- HYDERABAD	Dr. P.G.Prabhakara Rao, Mrs. K.Sathya Mala, Dr. S.V.N Vijayendra	29.10.2025-31.10.2025 (3 days)
STC-31	An overview training on Grain processing and machinery	GST / Mysuru	Mohd Shakeb	10.11.2025-14.11.2025
STC-32	Application of nanotechnology in food industry	FE / Mysuru	Dr. Dinesh B.L	18.11.2025-20.11.2025 (3 days)
STC-33	Advance Technique in microbial pathogen & Toxin Analysis	MFT / Mysuru	Dr. Preveen Bhan Mudliar, Dr. Vinodkumar N, Dr. Roopavathi C	01.12.2025-05.12.2025 (5 days)
STC-34	Fumigation, Prophylaxis and pest management technique for stored food commodities. (Batch 3)	FPIC / Mysuru	Mr. H E Krishniah	05.12.2025-19.12.2025 (15 days)
STC-35	Nutri-Cereal Process and Products Technology	GST / Mysuru	Dr. Meera MS	08.12.2025-12.12.2025 (5 days)
STC-36	Advance Technique in food analysis and research: GC-MS, LC-HRMS-MS, LC-ICP-MS, IR-MS, FT-IR, NMR, E-Nose & E-tongue.	CIFS / Mysuru	Mr. Padmaree Mukund Laxman	05.01.2026-09.01.2026 (5 days)
STC-37	Development of probiotic millet beverage and probiotic millet curd.	MFT / Mysuru	Dr. Prakash M Halani	07.01.2026-09.01.2026 (3 days)
STC-38	Extraction and quality assurance and edible fats and oil	DOB / Mysuru	Dr. P. Vijayaraj	21.01.2026-23.01.2026 (3 days)



IGIB
INSTITUTE OF GENOMICS & INTEGRATIVE BIOLOGY
Genomics Knowledge Partner



CSIR Integrated Skill Initiative

CSIR-IGIB - Skill Development Program Training Calendar 2025-26

30 day course on end-to-end whole genome sequencing (WGS) workflow inclusive of DNA library preparation to bioinformatics pipelines for delivering high quality insights on the industrial application of WGS technology.
Dates : September 01 - 30, 2025 (completed)

Two weeks advanced IGIB-Bioinformatics Skill Development Program (IGIB-BSDP).
Tentative Date : January 29 - February 12, 2026

One week basic IGIB-Bioinformatics Skill Development Program (IGIB-BSDP)
Tentative Date = February 23- 28, 2026



CSIR-CSMCRI - Skill Development Program

Training Calendar 2025-26



Training Program	Training Program PI	Deliverables	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30
Plant Tissue Culture Technician	Dr. Mangal S. Rathore Dr. Avinash Mishra	No. of skilling programs targeted	1	1	1	1	1
		Tentative Schedule	Dec. 2025	Dec. 2026	Dec. 2027	Dec. 2028	Dec. 2029
		No. of trainees targeted	15	15	15	15	15
		No. of skilling programs course curricula prepared	1	1	1	1	1
		Employment targeted	1	3	3	3	3
Solar Salt Production & Quality Control	Dr. Alok R. Paital	Entrepreneurs targeted	0	0	0	0	0
		No. of skilling programs targeted	2	2	2	2	2
		Tentative Schedule	Nov. 2025 Dec. 2025	Nov. 2026 Dec. 2026	Nov. 2027 Dec. 2027	Nov. 2028 Dec. 2028	Nov. 2029 Dec. 2029
		No. of trainees targeted	40	40	40	40	40
		No. of skilling programs course curricula prepared	2	2	2	2	2
Seaweed Cultivation and Processing Technology	Dr. Vaibhav A. Mantri Dr. Arup Ghosh <u>Dr. V. Veeragurunathan</u>	Employment targeted	10	10	10	10	10
		Entrepreneurs targeted	2	2	2	2	2
		No. of skilling programs targeted	8	8	8	8	8
		Tentative Schedule	April,2025 May, 2025 June,2025 Oct.2025 Dec. 2025 Feb.2026	April,2025 June, 2026 July,2026 Sep.2026 Dec.2026	May,2027 June, 2027 July,2027 Oct.2027 Jan.2028	June, 2028 July,2028 Aug.2028 Oct.2028 Jan.2029	Apr.,2029 June, 2029 July,2029 Sep.2029 Feb.2030
		No. of trainees targeted	150	150	150	150	150
Solar Salt Production & Quality Control	Dr. Alok R. Paital	No. of skilling programs course curricula prepared	8	8	8	8	8
		Employment targeted	10	10	10	10	10
		Entrepreneurs targeted	4	4	4	4	4
		No. of skilling programs targeted	2	2	2	2	2
		Tentative Schedule	Nov. 2025 Dec. 2025	Nov. 2026 Dec. 2026	Nov. 2027 Dec. 2027	Nov. 2028 Dec. 2028	Nov. 2029 Dec. 2029

Training on HPLC for qualitative and quantitative analysis of bio-actives and bio-chemicals from marine algae	Dr. R. Dinesh Kumar	No. of trainees targeted	40	40	40	40	40
		No. of skilling programs course curricula prepared	2	2	2	2	2
		Employment targeted	10	10	10	10	10
		Entrepreneurs targeted	2	2	2	2	2
		No. of skilling programs targeted	2	2	2	2	2
Applications of Membranes in Water and Energy	Dr. Vaibhav Kulshrestha	Tentative Schedule	Jan. 2026	Jan. 2027	Jan. 2028	Jan. 2029	Jan. 2030
		No. of trainees targeted	30	30	30	30	30
		No. of skilling programs course curricula prepared	1	1	1	1	1
		Employment targeted	10	10	10	10	10
		Entrepreneurs targeted	2	2	2	2	2
Strategic Algal Techniques for biomass production and Entrepreneurship development	Dr. Subir K. Mandal	No. of skilling programs targeted	1	1	1	1	1
		Tentative Schedule	Dec. 2025	Dec. 2026	Dec. 2027	Dec. 2028	Dec. 2029
		No. of trainees targeted	10	10	10	10	10
		No. of skilling programs course curricula prepared	1	1	1	1	1
		Employment targeted	6	6	6	6	6
Small-scale Solar Thermal Applications with Solar PV Insights	Dr. Subarna Maiti	Entrepreneurs targeted	2	2	2	2	2
		No. of skilling programs targeted	1	2	2	2	2
		Tentative Schedule	Jan. 2026 Feb. 2026	Aug. 2026 - Sep. 2026 and Jan. 2027 - Feb. 2027	Aug. 2027 - Sep. 2027 and Jan. 2028 - Feb. 2028	Aug. 2028 - Sep. 2028 and Jan. 2029 - Feb. 2029	Aug. 2029 - Sep. 2029 and Jan. 2030 - Feb. 2030
		No. of trainees targeted	15	30	30	30	30
		No. of skilling programs course curricula prepared	1	1	1	1	1
Small-scale Solar Thermal Applications with Solar PV Insights	Dr. Subarna Maiti	Employment targeted	1	3	3	3	3
		Entrepreneurs targeted	1	2	2	2	2
		No. of skilling programs targeted	2	2	2	2	2
		Tentative Schedule	Nov., 2025 Feb. 2026	Dec., 2026 Feb. 2027	Sep., 2027 Feb. 2028	Nov., 2028 Jan. 2029	Dec., 2029 Feb. 2030
		No. of trainees targeted	50	50	50	50	50
No. of skilling programs course curricula prepared	1	1	1	1	1		

Fermentation Technology	Dr. Sourish Bhattacharya	Employment targeted	5	5	5	5	5
		Entrepreneurs targeted	1	1	1	1	1
		No. of skilling programs targeted	4	4	4	4	4
		Tentative Schedule	Nov. 2025 Dec. 2025 Jan. 2026 Feb. 2026	Nov. 2026 Dec. 2026 Jan. 2027 Feb. 2027	Nov. 2027 Dec. 2027 Jan. 2028 Feb. 2028	Nov. 2028 Dec. 2028 Jan. 2029 Feb. 2029	Nov. 2029 Dec. 2029 Jan. 2030 Feb. 2030
		No. of trainees targeted	50	70	100	100	100
Apprentice / Intern	Dr. Avinash Mishra Mr. K.S.Zala	No. of skilling programs course curricula prepared	4	4	4	4	4
		Employment targeted	10	10	10	10	10
		Entrepreneurs targeted	10	1	1	1	1
		No. of skilling programs targeted	1	1	1	1	1
		Tentative Schedule	Throughout the year	Throughout the year	Throughout the year	Throughout the year	Throughout the year
No. of trainees targeted	13	13	13	13	13		
No. of skilling programs course curricula prepared	1	1	1	1	1		
Employment targeted	4	4	4	4	4		
Entrepreneurs targeted	1	1	1	1	1		



सी एसआईआर-भारतीय सम्मवेत औषध संस्थान, जम्मू
 CSIR-Indian Institute of Integrative Medicine, Jammu

CALENDAR OF SKILL DEVELOPMENT TRAINING PROGRAMS 2025-2026



SKILL DEVELOPMENT PROGRAMME
CSIR-Integrated Skill Initiative (Phase-III)

The CSIR-IIIM Skill Development Program (SDP) is an initiative of the CSIR-Indian Institute of Integrative Medicine, Jammu, under the CSIR Integrated Skill Initiative. It focuses on building a skilled workforce in life sciences, chemical sciences, and related industries by offering job oriented skill courses, job roles, hands-on training, capacity development and research & training programs.

[X](#) [f](#) [t](#) [v](#) [i](#) [@csiriim](#) www.iiim.res.in

PROPOSED TRAINING COURSES
UNDER CSIR-SKILL INITIATIVE (PHASE III)
AT CSIR-IIIM JAMMU FOR THE FINANCIAL YEAR 2025-2026

<p>OCTOBER 2025</p> <ul style="list-style-type: none"> AI Workshop on Health and Agriculture Analyst/Chemist-Quality Control: High-Performance Liquid Chromatography (HPLC) Research Associate- Pharma & Biological Products: API Synthesis & Medicinal Chemistry Production Machine Operator Non-Sterile Formulation: Granulation, Packaging (Tablets & Capsules) Chemist-Quality Control: Gas Chromatography(GC) Lab Technician - Pharma, Biologics and Medical Devices: Wet Lab 	<ul style="list-style-type: none"> Advanced Techniques in Industrial Microbiology Value Addition, Processing & PHT in MAPs <p>DECEMBER 2025</p> <ul style="list-style-type: none"> Skill Development Training Program on Real Time-PCR Skill Development Program on Informatics in Drug Discovery Plant Tissue Culture Technician <p>JANUARY 2026</p> <ul style="list-style-type: none"> Production Machine Operator Non-Sterile Formulation: Granulation, Packaging (Tablets & Capsules) Lab Technician - Pharma, Biologics and Medical Devices: Wet Lab Entrepreneurship & Skill Development Program on Secondary Agriculture Research Methodology, Science Communication & IPR- A Futuristic Perspective 	<p>FEBRUARY 2026</p> <ul style="list-style-type: none"> Medicinal and Aromatic Plant Grower Floriculture Training Assistant Gardener Hands on Training on Advance Techniques in Natural Products and Medicinal Chemistry <p>MARCH 2026</p> <ul style="list-style-type: none"> Research Associate- Pharma & Biological Products: API Synthesis & Medicinal Chemistry Production Machine Operator Non-Sterile Formulation: Granulation, Packaging (Tablets & Capsules) Analyst/Chemist-Quality Control: High-Performance Liquid Chromatography (HPLC) Lab Technician - Pharma, Biologics and Medical Devices: Wet Lab Chemist-Quality Control: Gas Chromatography(GC)
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IN CASE OF QUERIES: skilliim2025@gmail.com

PARTNERS & AFFILIATION OF SKILL DEVELOPMENT AT CSIR-IITR



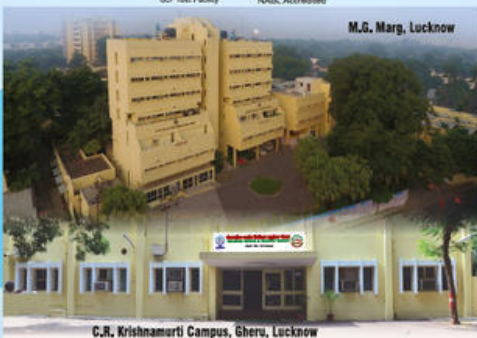
FRESH/UP/RE-SKILL YOURSELF WITH CSIR-IITR TO REALIZE YOUR DREAM CAREER IN INDUSTRY/ACADEMIA

KAUSHAL BHARAT, KUSHAL BHARAT

More than 3000 students trained in the last 5 years

Training people for better prospects towards Atmanirbhar Bharat

PEOPLE TRAINED OVER THE YEARS



C.R. Krishnamurti Campus, Ghera, Lucknow

CSIR-Integrated Skill Initiative



CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH IN SKILL ECOSYSTEM

CSIR-IITR is a NABL-accredited laboratory and has also received Good Laboratory Practices (GLP) compliance for various toxicology studies. CSIR-IITR has been conducting Skill Development Programs to generate skilled human resources under the CSIR-Integrated Skill Initiative. To enhance the students' skills, enrich their academic experience, and prepare them for success in their future endeavors, CSIR-IITR has partnered with two skill sector councils - the Life Sciences Sector Skill Development Council (LSSSDC) and the Agriculture Skill Council of India (ASCI) - to offer job-oriented training. CSIR-IITR is also offering entrepreneurial based advanced trainings (A-ESDP) in affiliation with the Ministry of Micro, Small, and Medium Enterprises. Apart from these, many workshops and specialized training programs in different toxicological techniques and environmental monitoring processes are in place for fresh skilling/up-skilling of students and reskilling of employed personnel.

SUCCESS STORIES

- **EMPLOYMENT GENERATION/PLACEMENT OF TRAINEE(S) AS :**
 - * Safety Officer at Lotus Beauty Care Products Pvt. Ltd., Haridwar.
 - * Manager-Environment at STRABAG India Pvt. Ltd., New Delhi.
 - * A fully funded doctoral position at the Monash University, Malaysia
 - * Technical officer at the Central Insecticide Board and Registration Committee, Faridabad
- 80 participants benefited from our courses in their job placement.

CALENDAR OF WORKSHOP/TRAINING PROGRAMS 2025-2026



For more details scan the QR code OR register at <https://iitr.res.in/En/SDP.aspx>
In case of queries, contact- sdp.1.iitr@iitr.res.in, sdipiitr@gmail.com
Tel: +91-522-2217497 | Ext.: 620
Phone-9307449236 (Nodal Scientist)

सीएसआईआर - भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
Vishvignyan Bhawan, 31 Mahatma Gandhi Marg
Lucknow - 226001 Uttar Pradesh, India

सीएसआईआर - भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
लखनऊ Lucknow

PROPOSED TRAINING/WORKSHOPS/CERTIFICATE COURSES UNDER CSIR INTEGRATED SKILL INITIATIVE AT CSIR-IITR FOR THE FY 2025-2026

SEPTEMBER 2025

Workshop on Transmission Electron Microscopy (TEM)
Date: 08/09/25-12/09/25 (05 Days)
Eligibility: Ph.D, Scholars/Technical Staff/Faculty
Course Fee : For Academic: Rs.7,000/-
For Industry: Rs. 13,000/-
Course Coordinators: Mr. Jai Shankar, Dr. Ajik K. Pandey

Hands on Training on Microbiology and Molecular Techniques
Date: 08/09/25-22/09/25 (02 Weeks)
Eligibility: B.Sc./M.Sc. in Life Sciences, Biotechnology, Microbiology, Environmental Sciences, Environmental Microbiology, Biochemistry
Course Fee : For Academic: Rs. 10,000/-
For Industry: Rs. 15,000/-
Course Coordinators: Dr. Preeti Chaturvedi Bhargava

rDNA-based Microbial Identification: Tools and Techniques
Date: 09/09/25-09/09/25 (01 Day)
Eligibility: B.Sc.
Course Fee : For Academic: Rs. 1,000/-
For Industry: Rs. 1,500/-
Course Coordinators: Dr. Manoj Kumar

Metal Nanoparticles and their In Vitro Cytotoxicity Analysis
Date: 10/09/25-11/09/25 (02 Days)
Eligibility: B.Sc./M.Sc./B.Tech/M.Tech/Ph.D. in any discipline of Life Sciences/Nanotechnology/ Chemistry/ Forensic Science
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Pradeep K. Sharma, Dr. Raja Gopai

Workshop on Scientific Writing
Date: 16/09/25-18/09/25 (03 Days)
Eligibility: M.Sc.
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Sanghamitra Bandyopadhyay

Entrepreneurship Awareness Program on Translating Idea to Enterprise: A road map for young entrepreneurs
Date: 17/09/25 (01 Days)
Eligibility: Graduates
Course Fee : 0
Course Coordinators: Dr. Ashwini Kumar Bhardwaj, Ms. Himanshi Tripathi

Workshop on Genotoxicity
Date: 17/09/25-19/09/25 (03 Days)
Eligibility: M.Sc.
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 7,000/-
Course Coordinators: Dr. Ajik K. Pandey

Environmental Monitoring Instruments and Analyzers for Assessment of Air and Water Pollution - Hands-on Training
Date: 22/09/25-24/09/25 (03 Days)
Eligibility: B.Tech / M.Tech in Environmental/Civil/Chemical/Mechanical Engineering Or M.Sc. in Environment/Chemistry/Physics/Life Sciences
Course Fee : For Academic: Rs. 3,000/-
For Industry: Rs. 6,000/-
Course Coordinators: Dr. B. Sreerath, Dr. Abhay Raj

Oxidative and Cellular Stress Assays
Date: 23/09/25-25/09/25 (03 Days)
Eligibility: M.Sc. in any branch of Life sciences
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 6,000/-
Course Coordinators: Ms. Miral ul Fatima, Dr. Ravi Ram Kristpat

OCTOBER 2025

Workshop on Scanning Electron Microscopy (SEM)
Date: 06/10/25-08/10/25 (03 Days)
Eligibility: Ph.D, Scholars/Technical Staff/Faculty
Course Fee : For Academic: Rs.5,000/-
For Industry: Rs. 10,000/-
Course Coordinators: Mrs. Nidhi Aranya, Dr. Prii Bhardwaj, Dr. Ajik K. Pandey

Predictive Software and Statistical Techniques for Impact Assessment of Atmospheric Pollution and Source Apportionment - Hands-on Training
Date: 29/10/25-31/10/25 (03 Days)
Eligibility: B.Tech / M.Tech in Environmental/Civil/Chemical/Mechanical Engineering Or M.Sc. in Environment/Chemistry/Physics/Mathematical/Statistical/Computer Sci/ Life Sciences
Course Fee : For Academic: Rs. 3,000/-
For Industry: Rs. 6,000/-
Course Coordinators: Dr. B. Sreerath, Dr. Abhay Raj, Dr. R. Parthasarathi

Hands-on training: Handling and Maintenance of C. elegans
Date: 30/10/25-31/10/25 (02 Days)
Eligibility: M.Sc.
Course Fee : For Academic: Rs.2,000/-
For Industry: Rs. 4,000/-
Course Coordinators: Dr. Anura Satish

NOVEMBER 2025

Fundamentals and Applications of Staining Techniques in Toxicopathology: From Basics to Advanced Methods
Date: 10/11/25-15/11/25 (05 Days)
Eligibility: B.Pharm/M.Pharm/B.Sc./M.Sc./B.V.Sc.
Course Fee : For Academic: Rs.5,000/-
For Industry: Rs. 8,000/-
Course Coordinators: Dr. Beena V, Dr. Pankaj Jagdali, Dr. Pradeep Kumar Singh

Workshop on Isolation, Characterization and Differentiation of Mesenchymal Stem Cell
Date: 18/11/25-19/11/25 (02 Days)
Eligibility: M.Sc./Ph.D.
Course Fee : For Academic: Rs.2,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Neeraj K. Satiya, Dr. Nidhi Gupta

Workshop on Flow Cytometry
Date: 26/11/25-28/11/25 (03 Days)
Eligibility: Ph.D, Scholars/Technical Staff/Faculty
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 7,000/-
Course Coordinators: Dr. Puneet Khara, Dr. Ajik K. Pandey, Dr. Prabhanshu Tripathi

Tools for Environmental Genomics and Metagenomics
Date: 30/11/25-02/12/25 (02 Days)
Eligibility: B.Sc./M.Sc./Ph.D.
Course Fee : For Academic: Rs.2,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Abhay Bajaj, Dr. Sandeep Singh

Lab Technician- Research & Quality Control (LFS/Q0509)
Date: November Last week-December Last week (05 Weeks)
Eligibility: 12 th
Course Fee : For Academic: Rs.5,000/-
For Industry: Rs. 10,000/-
Course Coordinators: Dr. Ajik Kumar Pandey, Dr. Vikas Shrivastava

DECEMBER 2025

"Hands on training course on Toxicology and pathological tools and techniques for Pre Clinical Regulatory Toxicology studies in laboratory animals"
Date: 01/12/25-05/12/25 (05 Days)
Eligibility: M.V.Sc, M.Sc/M, Tech or equivalent in Life Sciences
Course Fee : For Academic: Rs. 5,000/-
For Industry: Rs. 10,000/-
Course Coordinators: Dr. Arjaneya, Dr. Akshay Dwarakanath, Dr. Dharendra Singh

A-ESDP Processing of Plastics and Other Polymeric Products
Date: 08/12/25-12/12/25 (05 Days)
Eligibility: Engineer/Graduate/Post Graduate Students Research Scholars Industry Employees MSME Representative Govt. Officials
Course Fee : 0
Course Coordinators: Dr. Rachana Kumar

Workshop on Principles and Applications of Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) towards Emerging Contaminant Analysis
Date: 08/12/25-10/12/25 (03 Days)
Eligibility: M.Sc.
Course Fee : For Academic: Rs. 3,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Sumana Y. Kollan, Dr. Ahlesk K. Yadav

Biostatistics for Beginners
Date: 16/12/25-19/12/25 (04 Days)
Eligibility: M.Sc. or Students Pursuing Research
Course Fee : For Academic: Rs.5,000/-
For Industry: Rs. 10,000/-
Course Coordinators: Dr. Ravi Ram Kristpat, Dr. Anura Satish, Dr. D. Ghosh

Environmental Impact and Risk Assessment
Date: 18/12/25-19/12/25 (02 Days)
Eligibility: B.Tech / M.Tech in Environmental/Civil/Chemical/Mechanical Engineering Or M.Sc. in Environment/Chemistry/Physics/Mathematics/Statistics/Computer Sci/ Life Sciences
Course Fee : For Academic: Rs. 2,000/-
For Industry: Rs. 4,000/-
Course Coordinators: Dr. B. Sreerath, Dr. Abhay Raj, Dr. Jyotsna Singh

JANUARY 2026

Training program on SOI/EC 17025:2017 General requirements for the Competence of Testing and Calibration Laboratories
Date: 07/01/26-08/01/26 (02 Days)
Eligibility: B.Sc.
Course Fee : For Academic: Rs. 2,000/-
For Industry: Rs. 4,000/-
Course Coordinators: Dr. Rachana Kumar, Dr. Ahlesk K. Yadav, Dr. D. K. Patel

Fusion Transcripts & Chimeric RNAs: Predictive Bioinformatics for Cancer Diagnosis & Therapy
Date: 15/01/26-15/01/26 (01 Day)
Eligibility: B.Tech/M.Tech/M.Sc. in Life Science or related field
Course Fee : For Academic: Rs. 1,000/-
For Industry: Rs. 2,000/-
Course Coordinators: Dr. Sandeep Singh

Workshop on Nanomaterials Characterization
Date: 18/01/26-21/01/26 (03 Days)
Eligibility: M.Sc.
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 7,000/-
Course Coordinators: Dr. Ajik K. Pandey, Dr. Satyakam Patnaik, Dr. Nidhi Gupta

FEBRUARY 2026

Pre-Clinical Safety Testing for Regulatory Submission - An Overview
Date: Feb 2nd Week, 2026-Feb 3rd Week, 2026 (02 Weeks)
Eligibility: B.Sc. in Biological Science
Course Fee : For Academic: Rs. 5,000/-
For Industry: Rs. 12,000/-
Course Coordinators: Dr. Akshay Dwarakanath, Dr. Dharendra Singh

Training Program on Evaluation of Edible Oil as per IS:548
Date: 03/02/26-05/02/26 (03 Days)
Eligibility: B.Sc.
Course Fee : For Academic: Rs.3,000/-
For Industry: Rs. 5,000/-
Course Coordinators: Dr. Rachana Kumar

TO BE ANNOUNCED

Microbiological Water Safety: Sampling and Testing for Safety Management
Date: 02 Weeks
Eligibility: B.Sc./M.Sc. in Life Sciences, Biotechnology, Microbiology, Environmental Sciences, Environmental Microbiology, Biochemistry
Course Fee : For Academic: Rs. 10,000/-
For Industry: Rs. 15,000/-
Course Coordinators: Dr. Preeti Chaturvedi Bhargava

Workshop on High End Microscopy (TEM/SEM/Confocal)
Date: 02 Days
Eligibility: M.Sc.
Course Fee : For Academic: Rs.2,500/-
For Industry: Rs. 4,500/-
Course Coordinators: Dr. Ajik K. Pandey, Mr. Jai Shankar, Mrs. Nidhi

Essential Techniques and Biosafety in Microbiological Research Laboratory
Date: 03 Days
Eligibility: B.Sc.
Course Fee : For Academic: Rs. 3,000/-
For Industry: Rs. 4,000/-
Course Coordinators: Dr. Manoj Kumar

Workshop on Presentation Skills
Date: 01 Day
Eligibility: Bachelor's degree
Course Fee : For Academic: Rs.1,000/-
For Industry: Rs. 2,000/-
Course Coordinators: Dr. Ravi Ram Kristpat

*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.



CSIR-IHBT - Skill Development Program

Training Calendar 2025-26

Tentative start dates of NSQF aligned Courses

Courses	Affiliation	Code No.	Proposed Date of Start
Essential Oil Extractor	ASCI	AGR/Q0902	1 st week of Nov. 2025
Master Gardener	ASCI	AGR/Q0801	17 th Nov. 2025
Floriculturist	ASCI	AGR/Q0701	17 th Nov. 2025
Design and construct vertical garden	ASCI	AGR/Q0856	17 th Nov. 2025
Plant Tissue Culture Technician	ASCI	AGR/Q8101	17 th Nov. 2025
Basics of HPLC Analysis	LSSSDC	LFS/N0361	17 th Nov. 2025
Herb Grower	ASCI	AGR/Q0903	2 nd week of Dec. 2025
Biologist/Biotechnologist	LSSSDC	LFS/Q4101	2 nd week of Dec. 2025
Bamboo Work Artisan	HCSSC	HCS/Q8702	2 nd week of Dec. 2025
Bamboo Grower	ASCI	AGR/Q6101	3 rd week of Dec. 2025
Pesticide & Fertilizer Applicator	ASCI	AGR/Q1202	3 rd week of Dec. 2025
Chemical Laboratory Technology	LSSSDC	LFS/Q0314	5 th Jan. 2026
Medical and Aromatic Plants Grower	ASCI	AGR/Q0901	3 rd week of Jan. 2026
Bioinformatics Associate/Analyst	LSSSDC	LFS/Q3904	3 rd week of Jan. 2026
Vermicomposting Producer (Small Unit)	ASCI	AGR/Q1209	3 rd week of Feb. 2026
Beekeeper	ASCI	AGR/Q5301	1 st week of Mar. 2026

Ongoing Courses

Honey Bee Farmer (Small Unit)	ASCI	AGR/Q5303	Ongoing
Plant Tissue Culture Technician	ASCI	AGR/Q8101	Ongoing
Bamboo Grower	ASCI	AGR/Q6101	Ongoing

- ★ Research internships/ trainings programmes: Throughout the year.
- ★ Other skilling programmes (Industry/ Govt., Laboratory –Specialized and Societal Development programmes will be conducted as per demand/ need of the stakeholders.



SKILL DEVELOPMENT PROGRAMME

16th Feb to 27th Feb 2026

Under CSIR Integrated Skill Initiative
CSIR-IICB offers 2 weeks training programme on courses-

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



CSIR-NIO - Skill Development Program

Tentative Training Calendar 2025-26

August 2025 to March 2026

1.	August 2025	Hands-on training on Seawater Analysis	Dr. Rakhee Khandeparker
2.	September 2025	Hands-on training on Chromatography Techniques	Dr. Supriya Tilvi
3.	September 2025	Hands-on training on Basic Techniques of Microbiology	Dr. Rakhee Khandeparker
4.	October 2025	Basics of HPLC Analysis (NSQF Level 6) LSSDC (Trial)	Dr. Rakhee Khandeparker
5.	October 2025	Techniques for Green Mussel Culture	Dr. Rakhee Khandeparker
6.	November 2025	Basics of HPLC Analysis (NSQF Level 6) LSSDC	Dr. Rakhee Khandeparker
7.	December 2025	Hands-on training on SDS PAGE	Dr. Supriya Tilvi
8.	January 2026	Preparation of Fish Silage from fishery waste	Dr. Supriya Tilvi
9.	January 2026	DNA Barcoding and Marine Diversity	Dr. Belle Damodar Shenoy
10.	February 2026	Techniques of Seaweed Cultivation	Dr. Ravi Singh Baghel
11.	February 2026	Hands-on training on Marine Bacterial Identification	Dr. Rakhee Khandeparker



CSIR - National Institute of Science Communication and Information Resources

Training Course Calendar 2025 - 26

CSIR-National Institute of Science Communication and Policy Research (CSIR - NISPR) has been providing training programmes for the last several decades. Equipped with necessary facilities and manpower, CSIR-NISPR is ideally placed to train science communicators, R&D personnel, library and information science professionals for meeting the challenges of current times.

- Basics of Koha Software: 29 - 30 October 2025 (2 days)**
Broad Course Content: Koha: Overview, Features & Technology; Koha Administration; Koha Catalogue Module; Koha Circulation Module Reports; Eligibility: Under-Graduate/ Graduate LIS Students
- Basics of DSpace Software: 11 - 12 November 2025 (2 days)**
Broad Course Content: DSpace: Introduction; DSpace Administration; Creating Communities, Sub-Communities, Collection; Item Submission; Eligibility: Under-Graduate/ Graduate LIS Students
- Basics of Open Source Software for Libraries: 26 - 27 November 2025 (2 days)**
Broad Course Content: Koha: Overview, Features & Technology; Koha Catalogue Module; Koha Circulation Module; DSpace: Introduction; DSpace Creating Communities, Creating Collection; Item Submission; DSpace Administration; Creating Communities, Sub-Communities, Collection; Item Submission; e-people registration, authorization; Basic Customization; Backup & Restore; Eligibility: Graduate
- Skill Training in Library Automation and Digitization: 08 - 19 December (2 Weeks)**
Broad Course Content: Koha: Overview, Features & Technology; Installation of Linux; Installation of Koha on Linux Tools & Administration; Koha Modules; Basic Customization; Reports; Backup & Restore; DSpace: Introduction; Installation of Linux; Installation of DSpace on Linux; DSpace Settings; DSpace Administration; Creating Communities, Sub-Communities, Collection; Item Submission; e-people registration, authorization; Basic Customization; Backup & Restore; Eligibility: Graduate
- Skill Training in Design and Development of Institutional Repository using DSpace: 12 - 16 January 2026 (5 days)**
Broad Course Content: Introduction to Open Source Software; DSpace: Introduction; Installation of Linux; Installation of DSpace on Linux; DSpace Settings; DSpace Administration; Creating Communities, Sub-Communities, Collection; Item Submission; e-people registration, authorization; Basic Customization; Backup & Restore; Eligibility: Graduate
- Skill Training in Library Automation using Koha: 02 - 06 February 2026 (5 days)**
Broad Course Content: Koha: Overview, Features & Technology; Installation of Linux; Installation of Koha on Linux Tools & Administration; Koha Modules; Basic Customization; Reports; Backup & Restore; Eligibility: Graduate
- Basics of Science Communication: 09 - 13 March 2026 (5 days)**
Broad Course Content: Science Communication - Efforts by the State; Science Communication - Responsibility of Citizens; Science Communication in Hindi - Challenges; Science Communication in Hindi - Efforts by CSIR-NISPR; Science Writing - Sharing Knowledge; Research & Scholarly Communication; Eligibility: Graduate

Contact: Head, Access, Training and HR Division
Email: training_nispr@csir.res.in
Website: www.nispr.res.in

NEWS CLIPPINGS

न्यूज़ क्लिपिंग

02/25, 2:53 PM Press Release Press Information Bureau

Ministry of Skill Development and Entrepreneurship



Union Minister Shri Jayant Chaudhary leads Knowledge Exchange Mission to Philippines

Posted On: 21 OCT 2025 9:02AM by PIB Delhi

Union Minister of State (Independent Charge) for Skill Development & Entrepreneurship and Minister of State for Education, Shri Jayant Chaudhary, is leading a high-level Knowledge Exchange Mission to the Philippines from October 20-22, 2025, facilitated by the World Bank.

The Indian delegation includes senior officers from the Ministry of Skill Development & Entrepreneurship and representatives from the states of Uttar Pradesh, Madhya Pradesh, Rajasthan, and Telangana.

The mission features strategic engagements with key Philippine institutions such as the Department of Migrant Workers (DMW), Technical Education and Skills Development Authority (TESDA), Philippine Statistics Authority (PSA), and the Overseas Workers Welfare Administration (OWWA).

The visit is aimed at fostering knowledge exchange and sharing best practices in areas related to skills development, labour mobility, and data-driven policy frameworks.

This mission reflects the shared commitment of the Global South to collaborate on human capital development, promote mutual learning, and create pathways for equitable and sustainable growth through skills and entrepreneurship.



<https://www.pib.gov.in/PressReleasePage.aspx?PRID=121804>

10/23/25, 2:53 PM Press Release-Press Information Bureau




Meeting with Department of Migrant Workers (DMW), Government of Philippines

SH

(Release ID: 2181004) Visitor Counter : 815
Read this release in: Urdu , Marathi , हिन्दी , Gujarati , Tamil , Telugu , Malayalam

Developing Communication Skills in Kids

Communicating effectively is one of the most important skills for a child. Good communication skills help a child to express himself or herself clearly, which in turn leads to healthy relationships and high levels of self-confidence. Parents can play an important role in a child's journey of learning how to communicate effectively and clearly. Through this journey, parents will get ample opportunities to support the child's growth, improving his/her confidence and academic performance.

CHARU DHINGRA, Chief Coordinator, Indus Valley International School, Turkayamajal



ACTIVITIES TO DEVELOP GOOD COMMUNICATION SKILLS IN KIDS

- 1. STORYTELLING THROUGH PICTURES**
Give your child some pictures. Ask them to use the language and sequentially describe a story. Another way is to provide them with one picture and ask them to imagine and create a story related to that picture.
SKILLS USED: Imagination and creativity; Articulation of thoughts in a sequential manner.
- 2. EXTEMPORE**
Make chits on social causes, day-to-day topics, or any interesting topic depending on the age of the child, and ask the child to pick a chit. The child can speak on that topic for a few minutes without rehearsing. This activity will encourage kids to be aware of the latest happenings across the globe and will motivate them to read and know more.
SKILLS USED: Quick thinking; proper organization and expression of ideas.
- 3. ALTERNATE ENDING FOR A STORY/POEM**
Kids should be encouraged to read fiction and traditional stories and should be made to think of an alternate ending to that story. For example, Haro and Tortoise story can be thought of differently and the child should be asked to finish the story differently, like what would have happened if the hare hadn't slept in the middle of the race, or if the tortoise were to ride on the back of a lion?
SKILLS USED: Creativity; Problem Solving; Decision Making.
- 4. SHOW AND TELL**
Let the kid pick any object of his/her choice and the kid should be able to speak a few lines describing that object. The kid can talk about the appearance of that object, its colour, shape, functionality etc. Later the parent can choose objects and ask kids to describe objects chosen by parents to make the activity interesting.
SKILLS USED: Vocabulary; Confidence; Eloquence.

PRESENTATIONS USING DIGITAL/NON-DIGITAL MEDIUMS:

- 5. Kids may prepare presentations using digital mediums like Power Point presentations or they may make charts to express themselves by choosing topics ranging from saving water and saving electricity to international topics of their interests.**
SKILLS USED: Public Speaking; Confidence; Thinking; Creativity; IT Skills.

Communication is a key skill that helps children interpret information coming their way and express their thoughts creatively. Parents have a vital role to play in developing a child's skills and need to participate actively in their child's development.

HOW CAN A PARENT HELP IN DEVELOPING COMMUNICATION SKILLS IN THEIR KIDS?

- 1. REGULAR CONVERSATIONS WITH THE CHILD:** Conversations with parents leave a deep and lasting impact on children. Therefore, parents should interact with the child at every opportunity. Parents can also encourage their kids to talk about situations in daily life, such as a conversation about a simple recipe, or about the destination they may travel to.
- 2. READ TOGETHER:** Parents should motivate kids to read together and assist them in describing the story they read. They can discuss the characters, plot, and other small events that happened in the story.
- 3. TOTAL ATTENTION TO KIDS WHEN THEY ARE TALKING:** Children need undivided attention from their parents. Parents need to listen to their kids attentively and answer their questions patiently and creatively.
- 4. MAINTAINING EYE CONTACT:** While conversing with the kid, proper eye contact is essential. It is a display of respect and engagement, and children will pick up this essential habit from parents.
- 5. ENCOURAGE JOURNALING:** Kids can be taught about writing through journaling as it helps them to think and express themselves clearly. It can be very productive and will help them to let out their emotions easily.

Cabinet nod to merger of skill development bodies

The merged entity to bring in credibility to skills sector, increase private investments

Prashant K. Nanda & Komal Gupta
NEW DELHI

MINT QUICK READS

Quality control in skills industry

The Union cabinet approved the merger of the National Council for Vocational Training and the National Skill Development Agency.

The merged body, called National Council for Vocational Education and Training, seeks to bring more accountability to the sector.

The body will establish minimum standards for the functioning of skill schools across India and monitor their quality.

Though Skill India had been a talking point for govt over last few years, there has hardly been any quality assessment of the sector.

The sector caters to nearly 15 million students at any given time, and is essential to the supply of efficient manpower to industries.

and establish minimum standards for the functioning of such entities. The primary functions of NCVET will include recognition and regulation, assessment, approval of qualifications developed by different bodies and industry governed sector skill councils, the skill development ministry said in separate note after the cabinet meeting.

Quality control has been a constant worry for the skill development sector in India with the mushrooming of skill schools across India. Though Skill India had been a talking point for the

years, there has hardly been any quality assessment or monitoring of the sector, essential to the supply of efficient manpower to industries.

The cabinet also approved the establishment and operationalization of two new Indian Institutes of Science Education and Research (IISERs) at Tirupati (Andhra Pradesh) and Berhampur (Odisha) at a total cost of ₹3,074.12 crore.

The cabinet also approved payment of productivity linked bonus equivalent to 78 days' wages for fiscal year 2017-18 for all eligible non-gazetted rail-

which comes ahead of the festive season, is likely to benefit around 1.191 million railway employees and will cost the government ₹2,044.31 crore. Productivity linked bonus is paid to eligible railway employees every year before Dussehra.

The cabinet committee on economic affairs also approved a proposal for the closure of loss-making Biecco Lawrie Ltd and the National Jute Manufacturers Corp Ltd and its subsidiary Binds Jute & Exports Ltd.

Closure of these state-run firms will ensure release of valuable assets, including land, for productive use, or for generation of financial resources, the government said.

Skills minister Pradhan termed the decision an 'institutional reform' that shall lend credibility to the sector

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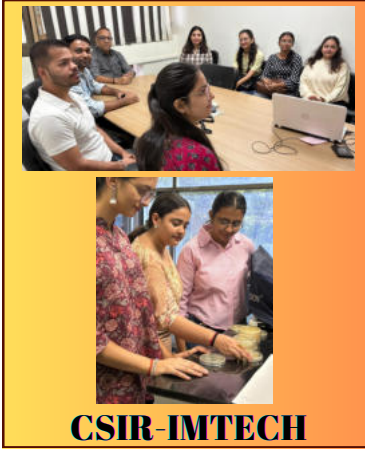
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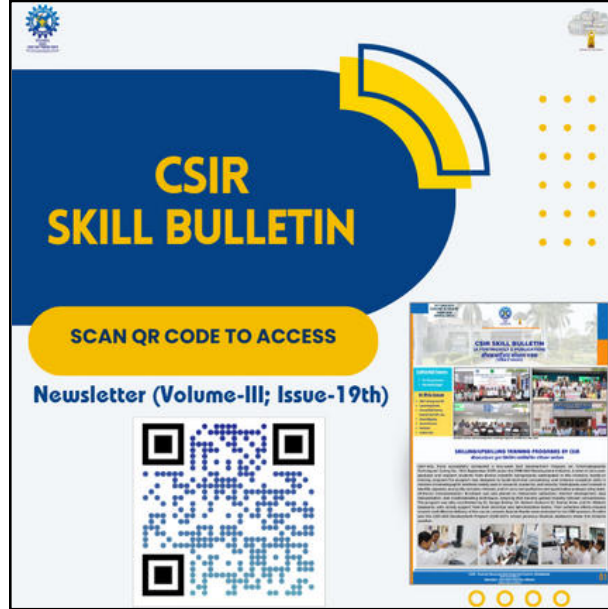
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