

CSIR SKILL BULLETIN

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



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HIGHLIGHTS

- No. of SDP Conducted: 6
- No. of Participants Trained: 270
- No. of Upcoming Trainings: 15
- Skill Area Focus: 6
- Annual Skill Training Calendar : 8



CSIR-CRRI



CSIR-CBRI



CSIR-NBRI

IMAGES: 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-CECRI, Karaikudi organized a one-week Skill Development Training Programme on “**Basics of High - Resolution Imaging Techniques and their Applications to Science & Technology**” during 04th - 08th May, 2026 under the aegis of CSIR Integrated Skill Initiative (Phase -III). In this course, many topics were covered like Electron Microscopy in Elucidating Microstructure - Property relations in Electro ceramics, Operation and Maintenance of Scanning Electron Microscope-SEM/FE-SEM/ HR-TEM. Demonstration of SEM /FE-SEM, Sample Preparation Techniques for HR-TEM, Demonstration of PVD & CVD/ STM /AFM, Fundamentals of Electron Microscope and it's Application, Application of Electron Microscope in Development of Functional Materials, Operation and Maintenance of Scanning Probe Microscope (STM/ AFM), Application of Electron Microscope in Battery, Application of Electron Microscope in Polymer Nano Composites, Application of Electron Microscope in Corrosion and Metal Protection, Demonstration HR-TEM, Application of Electron Microscope in PVD, CVD & Electroplating, Applications and Advanced Techniques in Electron Microscope, Application of Electron Microscope in Biology. A total of **45** Participants attended the program.



CSIR-CBRI, Roorkee conducted a two-day workshop under skill initiative on “**IP and Sports: Ready, Set, innovate**” during 4th - 5th May, 2026 highlighting the role of intellectual property in driving innovation across the sports ecosystem, including materials, equipment, technology, branding, and allied sectors with a focus on patents, trademarks, copyrights and their relevance to scientific research and innovation. The workshop was conducted to celebrate the Rashtriya Boudhik Sampada Mahotsav 2026 (RBSM 2026) as part of the broader initiative of Azadi Ka Amrit Mahotsav. During the workshop, a series of lectures were delivered at various Institutes/colleges to sensitize the participants on the importance of IP in research, innovation, and commercialization. About **60** students and **10** faculty members participated in the lecture session. Director, CSIR-CBRI said such workshops are necessary to create awareness about Intellectual Property Rights among scientists, researchers and students. The session concluded with a vote of thanks delivered by Dr. Tabish Alam and the esteemed Principal, Dr. Amita Srivastava, appreciating the efforts of the CBRI team and encouraging continued academic collaboration. Such initiatives reflect CBRI's dedication towards empowering young minds through knowledge, awareness, and inspiration.

CSIR-CDRI, Lucknow launched a Skill Development Program on “**Pathological Tools and Techniques for Biomedical Applications**” during 4th - 29th May, 2026 under the aegis of CSIR Integrated Skill Initiative (Phase -III). A total of **6** candidates enrolled in this session. During the orientation, participants were introduced to the course objectives, training modules, and laboratory practices. The registration kits were also distributed to all candidates. The session marked a positive beginning, setting the stage for effective learning and hands-on training in the field of biomedical applications.





CSIR-CRRI, New Delhi organized a five-day Skill Development Training Programme on **"Geotechnical Investigation and Landslide Control for Highway Projects"** during 04th - 08th May, 2026 under the aegis of CSIR Integrated Skill Initiative (Phase -III) for Madhya Pradesh, PWD Engineers. About 50 Engineers attended the program, which included Theory as well as practical Training on Road Sections covering State Highways/National Highways/Expressways. Geotechnical Investigation and Landslide Control are essential components of highway projects in hilly and unstable terrain regions. Geotechnical investigation involves the study of soil, rock, groundwater, and slope conditions to assess the stability and suitability of the land for safe road construction. It helps engineers identify potential risks such as weak soil layers, slope failure, and erosion. Landslide control focuses on preventing and minimizing slope instability through various engineering measures such as retaining walls, slope reinforcement, drainage systems, rock bolting, and vegetation cover. These techniques ensure the safety, durability, and sustainability of highways by reducing the chances of landslides and road damage, especially during heavy rainfall and seismic activities.

CSIR-NBRI, Lucknow organized a three-day Skill Development Training Programme on **"Dehydrated Floral Crafts"** from 5th - 7th May, 2026 under the aegis of CSIR Integrated Skill Initiative (Phase -III). A total of 15 candidates participated and benefited from this skill development programme. The programme included theory and practical sessions. Dehydrated Floral Crafts involve the preservation and artistic use of dried flowers, leaves, and natural plant materials to create decorative and eco-friendly products. Flowers are carefully dehydrated using techniques such as air drying, pressing, or silica gel drying to retain their shape, texture, and color for a longer period. These preserved floral materials are used in making greeting cards, wall art, bookmarks, candles, resin products, jewelry, home décor items, and gift articles. Dehydrated floral crafts promote sustainable and nature-based creativity while also providing opportunities for small-scale entrepreneurship and skill development in the handicraft sector.



CSIR-IMMT, Bhubaneswar organized a two-day Skill Development Training Programme on **"Technology Translation and Realization and Advancing Innovations for Nation (TECHNO TRAIN)"** during the period 11th - 12th May, 2026 under the aegis of CSIR Integrated Skill Initiative (Phase -III). It executed 5 ToT / MoU and inducted 9 new startups - reflecting integrated contributions and realizing innovations for the nation. It's an initiative focused on transforming innovative ideas, research outcomes, and emerging technologies into practical applications that benefit society and industry. The program aims to bridge the gap between laboratory research and real-world implementation through skill development, technology transfer, entrepreneurship, and collaborative innovation. TECHNO TRAIN promotes capacity building, hands-on training, and industry-oriented learning to encourage innovation-driven growth and self-reliance. Total 84 Participants from MSME, Startup, Academic, Research and other professionals attended this program.



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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

Course Start Date: 01st June, 2026

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.

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

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

Course Duration: 390 Hours
60 Days Approx.

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

Essential oil Extractor

Course Code: AGR/Q0902, NSQF Level-3

Course Start Date: 18th June, 2026

Course Includes:

- Collect the appropriate MAPs for extracting essential oils
- Extract essential oils from the MAPs
- Assist in marketing the essential oils and maintaining records
- Maintain health and safety at the workplace

Course-coordinator
Er. Mohit Sharma

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: 15.05.2026
Course fee : Rs. 10000-
No. of Seats : 10
Education Qualification : 8th grade pass with 2 years of relevant experience
OR
Grade 8 pass and pursuing continuous schooling in regular school with vocational subject
OR
5th grade pass with 5 years of relevant experience
OR
Previous relevant qualification of NSQF Level 2 with 1 year of relevant experience
OR
Previous relevant qualification of NSQF Level 2.5 with 6 months of relevant experience

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Phone: +91-1894-233339 (Ext.) 453, 346
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Course Duration: 270 Hours
45 Days Approx.

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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

Last date of receiving application: 08.06.2026
Course fee : Rs. 12000-
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

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Website: www.ibbt.res.in

Course Duration: 37.5 Hours (7 Days Approx.)

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

Floriculturist

Course Code: AGR/Q0701, NSQF Level-4

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. 10000-
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

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Website: www.ibbt.res.in

Course Duration: 390 Hours (70 Days Approx.)

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

Course Code: AGR/Q0801, NSQF Level-4

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

Course Start Date: 15th June, 2026

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.)

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CSIR-CCMB
Skill Development Program
 On
"Rice Re-Imagined: Hands on Genome Editing Masterclass"
 06th – 10th July 2026

CSIR-Centre for Cellular and Molecular Biology shall conduct a hands-on training workshop for five days on "Rice Re-Imagined: Hands on Genome Editing Masterclass" (RICE-1) targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences & allied areas. This training is intended to train about the basic techniques of genome editing tool and tissue culture for research in various experiments and supplemented with informative lectures, hands-on training, instrument set-up and data analysis.

No. of seats : 15-20
 Minimum Qualification : Masters in any branch of Life Science/Allied areas
 Dates : 6th – 10th July 2026
 Mode of the Course : In-house training at CCMB
 Mode of selection : Application form & Statement of Purpose
 Course Fee : Rs. 18,000/- (including GST & Accommodation)
 Apply using the link : http://recruitment.ccm.res.in/training_programs/sdp/RICE-1
 Course Code : RICE-1

Training Curriculum for Course:

- Foundation and theory of genome editing
- Bioinformatic tools for genome editing
- CRISPR Cas Mechanism
- Cloning of CRISPR constructs
- Plant transformation methods
- Rice tissue culture
- Molecular analysis and screening of edited lines
- Regulatory, ethical and social aspects

Salient Features of the Training:

- Go Beyond Theory: Move from CRISPR-Cas9 mechanics directly into the wet lab to clone constructs and sequence your results.
- Precision Design: Master professional bioinformatics tools like SnapGene and CHOPCHOP to engineer high-specificity gRNAs.
- Rice Transformation Mastery: Gain rare, hands-on experience in *Agrobacterium*-mediated transformation and rice callus regeneration.
- Design-Your-Target: Design your own target gene and build a complete editing strategy from scratch.
- Expert Molecular Analysis: Learn to decode mutation profiles and interpret deep sequencing data.
- Regulatory & Ethics Insight: Navigate the complex landscape of Indian biosafety regulations, IP issues, and trait improvement.
- Certified Networking: Earn your certificate and build lasting collaborations with peers and mentors from leading institutions.

Training Coordinator:
 Dr. Hitesdra Kumar Patel
 Scientist-F
 Crop Improvement Lab
 CSIR-CCMB,
 Hyderabad

Program Coordinator:
 Dr. Archana Bharadwaj Siva
 Scientist-G
 Nodal Scientist-Skill Development Program
 CSIR-CCMB, Hyderabad.
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Scan to Apply

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

Course Code: LFS/Q4101, NSQF Level-5

Learn how biologists and biotechnologists transform plants and microbes into cutting-edge bio-products by using biotechnological tools.
 Build the skills that power tomorrow's bio-economy

Course Includes:

- Perform critical activities in upstream processing of bio-products
- Perform purification of harvested material by downstream processing
- Perform advanced RNA, DNA, and protein analyses in plant and microbial systems.
- Maintain health and safety in the workplace

Course-coordinator
Dr. Gaurav Zinta and Dr. Arun Kumar
Nodal Skill Development Programme
Dr. Gireesh Nadda

For more details about Institute, kindly scan the QR code

Evaluation: Conducted by the Life Sciences Sector Skill Development Council (LSSSDC), 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: 03rd June, 2026

Last date of receiving application: 01.05.2026
 Course fee : Rs. 7000/-
 No. of Seats : 10
Education Qualification : B.Tech (biotechnology) Final Year Student or
 M.Sc (biology and biotechnology related subject) Final Year Student or
 B. Pharma final year student (with Pharmacognosy Subject) or
 B. Sc. (biology and biotechnology related subject) Pass or
 NSQF Level 4 Certificate of Production Machine Operator Sterile Formulations with 3 Years of Experience

Course Duration: 540 Hours
 70 Days Approx

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 Post Box. No.06, Palampur - 176 061 (Himachal Pradesh) INDIA

CSIR-CCMB
Skill Development Program
 On
"Introduction to IPR and Patents"
 23rd – 25th June 2026

CSIR-Center for Cellular and Molecular Biology is conducting a hands-on training on "Introduction to IPR and Patents" (IPRAT-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 : 23rd – 25th June 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.ccm.res.in/training_programs/sdp/IPRAT-3
 Course Code : IPRAT-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
 Scientist-G
 Nodal Scientist-Skill Development Program
 CSIR-CCMB, Hyderabad.
sdp.ccm@csir.res.in

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Industry Training Program

CSIR-National Chemical Laboratory,
Pune-411008, India



Reaction Specific Training-1 (May 20-21, 2026)

CSIR-National Chemical Laboratory (CSIR-NCL) invites teams from industries for a focused, industry-oriented training program on Continuous aromatic nitration and Continuous Grignard reactions on May 20-21, 2026. These two reactions are two of the most critical yet challenging transformations in chemical manufacturing, among many. Designed as a lab-to-pilot plant implementation program, it enables participants to move beyond theory and develop practical strategies to convert batch processes into safer, scalable continuous operations.

These reactions are often limited by safety risks, heat management issues, and scale-up uncertainties. Through hands-on training, pilot-

scale demonstrations, and real industrial case studies, the program shows how flow processing can deliver enhanced safety, improved selectivity, and 3X – 10X process intensification, along with faster and more reliable scale-up.

Participants will gain exposure to the details of the various intricate aspects of state-of-the-art flow reactors, operation protocols, and control strategies, while also engaging in one-on-one technical discussions with CSIR-NCL experts.

With nearly two decades of leadership in flow chemistry and a strong track record of industrial implementation, CSIR-NCL provides a clear, actionable pathway to initiate continuous manufacturing for high-impact chemistries. This program is ideal for teams seeking safer processes, faster scale-up, and competitive manufacturing advantage.

For organizations seeking to implement continuous processing in high-impact, high-risk chemistries, this program offers a clear pathway to reduce development timelines, improve process safety, and enhance manufacturing efficiency.

Subsequently, in the follow-up sessions after the Training Program, Participants are encouraged to bring their own reaction systems for preliminary feasibility assessment and discussion with CSIR-NCL experts, enabling immediate relevance to their organizational priorities.

Training Structure: The training will happen over 2 days, one day assigned for each reaction. All the participants will be given participation

certificates by the Director NCL at the end of the second day.

Course Contents:

1. Aromatic Nitration:

- Introduction to aromatic nitration, reaction networks, kinetics, impurity formation, reaction engineering of aromatic nitration, modeling of two-phase reactions and prediction of overall rate of reaction, mass transfer and heat transfer aspects experimental protocols, interfacial effects, exotherms, etc.
- Aromatic nitration in batch mode and its scale-up approaches, challenges, waste generation, waste handling, enrichment of nitric acid, safety, and case studies,
- Aromatic nitration in continuous mode and its scale-up rationale for continuous processing, methodology, challenges (clogging, phase management, side reactions), scale-up design, reactor integration.
- HAZOP analysis, Di-nitration and tri-nitration approaches, reaction engineering, and scale-up. Case studies at various scales.

2. Grignard Reaction:

- Introduction to Grignard reagent and its reactions mechanism, impurities, quenching, decomposition, and industrial applications, reaction networks, kinetics, impurity formation, sludge formation, mathematical modelling.
- Grignard reagent synthesis in batch mode

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CSIR- Integrated Skill Initiative (Phase -III)
 Call for Applications for Course of
Basics of High-Performance Liquid Chromatography(HPLC) Analysis

Course code: LFS/N0361; NSQF level: 5.5

Basics of High-Performance Liquid Chromatography(HPLC) Program is certified by the Life Sciences Sector Skill Development Council (LSSSDC). This program aims at providing hands-on skills of HPLC to Science Graduates/Postgraduates

Course Highlights:

- Module 1: Introduction to HPLC
- Module 2: Basics of HPLC analysis
- Hands on experience in running HPLC
- Basic Navigation and Sample Analysis on HPLC

Course Start Date: 2th June, 2026
Course duration: 90 hours; 15 days (approx.)
Last Date of Application: 25th May, 2026
Course Fee : Rs. 5000/-
No. of seats : 20

Minimum Educational qualification: Completed 3rd year of 3-year/ 4-years UG in Chemistry/ Microbiology/Marine science/ Biotechnology/ Biochemistry/ Botany/ Zoology / Pharma/ Chemical Engineering/ Food Technology/Veterinary science/ any other relevant science field involving Chemical or Biological analysis

Or

Pursuing 1st year of 2-year PG program after completing 3- year UG degree in Chemistry/ Microbiology/Marine science/ Biotechnology/ Biochemistry/ Botany/ Zoology/ Food Technology/ Veterinary science/ any other relevant science field involving Chemical or Biological analysis

Course-coordinator: Dr. Upendra Sharma
Nodal Skill Development Programme:
Dr. Gireesh Nadda
Evaluation: Conducted by the Life Sciences Sector Skill Development Council (LSSSDC), a unit of National Skill Development Corporation (NSDC), Govt. of India
 Accommodation will be provided on sharing and payment basis, as per the availability
 Seat left vacant after last date of application, will be filled on a first-come, first-served basis

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

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

Workshop on Essential Molecular Techniques In Applied Microbiology and Biosafety

June 02-04, 2026 (03 days)

WHAT YOU WILL LEARN:

- Microbiology Tool and Techniques: Principle and Applications
- Microbial Analysis in Different Matrices (Soil, Water and Food)
- Biosafety Practices in Microbiology Laboratory
- Microbial Hazard, Risk and Management
- Role of Microbes in Pollutant Degradation

Course Fee:
 For Academia - Rs. 3000/-
 For Industry - Rs. 6000/-

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

Course Coordinator:
 Dr. Abhay Bajaj
 Dr. Manoj Kumar

Venue:
 CSIR - IITR
 M.G. Marg

STUDENT COORDINATORS
 Anuriti Saxena- 9918703121
 Aastha Chandra- 9565973888
 Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

SCAN HERE FOR PAYMENT


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

Checkmarks:

- ✓ Last date of registration: May 20, 2026
- ✓ Certificates will be provided to all the participants

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



CSIR-NCL SKILL DEVELOPMENT PROGRAM

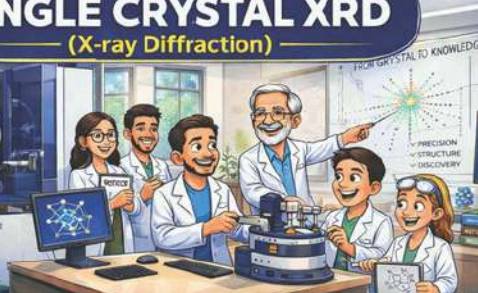
<https://ncsdnp.ncl.res.in/>

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CSR Sponsor

SINGLE CRYSTAL XRD (X-ray Diffraction)

FROM CRYSTAL TO KNOWLEDGE



**HANDS-ON LEARNING
REAL IMPACT**

ABOUT COURSE

Single Crystal X-Ray Diffraction (SCXRD) is a powerful technique used for determining the three-dimensional structure of crystalline materials at atomic resolution. It plays a crucial role in chemistry, materials science, and pharmaceutical, this course provides in-depth theoretical knowledge along with extensive hands-on training on SCXRD instrumentation, crystal handling, data collection, and structure analysis.

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

HOW TO APPLY

Application form is available at - <http://www.ncl-india.org/files/SDD/Default.aspx>

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

ncl.sdc.ncl@csir.res.in

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

WHY CHOOSE US

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

COURSE CONTENT

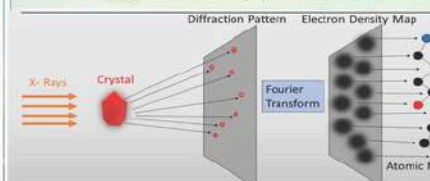
- Introduction to X-ray Diffraction
- Basics of Crystallography
- Working principle of SCXRD instrument
- Crystal selection & mounting techniques
- Data collection & processing
- Structure solution & refinement
- Interpretation of crystallographic data
- Report preparation and troubleshooting

COURSE DETAILS

Duration - 5 Weeks
Dates - 01st June to 30th June 2026
Seats - Max 5
Eligibility - M.Sc (Completed), M.Pharm (Completed), PhD (Pursuing/Completed)

Course Fees:

Students ₹ 11,800
Faculty ₹ 23,600
Industrial Professionals ₹ 47,200/-
(The fees stated include 18% GST)



Single Crystal X-ray Diffraction



सीएसआईआर - राष्ट्रीय अंतरविषयी विज्ञान
तथा प्रौद्योगिकी संस्थान

**CSIR - NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY (NIIST)**



SPECTRASKILLS: SKILL TRAINING PROGRAM IN ORGANIC SPECTROSCOPY

OBJECTIVES AND SCOPE

Spectroscopy is the study of the absorption and emission of electromagnetic radiation by matter. Though unique to the kind of radiation used, spectroscopy is integral to a wide variety of disciplines. From providing theoretical backing to early quantum research in radiation and atomic structure, this field has evolved to be critical to the characterization of materials, structural elucidation, imaging, sensing and detection, and various other applications. Spectroscopy also provides a multi-utility tool kit for the development of new and improved materials with unprecedented properties. Among all spectroscopic techniques, UV-Vis, IR, and Fluorescence spectroscopy provide the basic understanding of light-matter interactions. This program is designed to provide attendees with a working knowledge of UV-Vis, IR, and Fluorescence spectroscopies, their fundamental aspects, advanced techniques and emerging applications, including hands-on training sessions on different spectroscopic modules.

MODE
Offline

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

COURSE DATE AND DURATION
18-22 May 2026
5 Days

ACCOUNT DETAILS
The Director, CSIR-NIST (Regional Research Laboratory (RRL))
Account No: 6704723825
PSC Code: 5810070030
Bank: State Bank of India (SBI)
Address: Pappanurcode, Industrial Estate

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

TOPICS COVERED

(A) THEORY

- Introduction to Spectroscopy
- Basic Theories in Spectroscopy
- Fundamentals of UV-Vis Spectroscopy: The electromagnetic spectrum, Ultra-violet and visible radiation, electronic transitions and the UV spectrum, Chromophores and auxochromes, Empirical rules for calculating absorption maxima, Shifts in absorption maxima, The Beer-Lambert Law, principles of data processing
- UV-Vis Spectrophotometer - Instrumentation
- UV-Vis Spectroscopy of organic, inorganic and hybrid materials
- Practical applications of UV-Vis Spectroscopy
- Introduction to FTIR spectroscopy: Molecular vibration and light absorption, interferometer: constructive and destructive interference, interferogram of monochromatic, polychromatic and broadband sources, advantages of FT-IR spectroscopy, principles of data processing; folding, apodization, zero-filling, phase errors, spectral resolution
- FT-IR Spectrophotometer - Instrumentation
- Practical applications of FT-IR Spectroscopy
- The fundamentals of fluorescence spectroscopy: The understanding of fluorescence, fluorescence anisotropy, fluorescence spectroscopy principle, fluorophores, solvent and environmental effects, kinetics of photophysical processes, quantum yields, lifetime, fluorescence quenching, energy transfer
- Fluorescence Spectrophotometer - Instrumentation
- Practical applications of fluorescence spectroscopy

ELIGIBILITY

M. Sc.

(B) HANDS ON TRAINING ON UV-VIS, IR, AND FLUORESCENCE SPECTROPHOTOMETERS

- Instrumentation
- Sample Preparation
- Instrumental Analysis
- Data Collection
- Data analysis
- Data Validation and Interpretation
- Experimental Spectroscopy with regard to practical applications

RESOURCE PERSONS

- Dr. Sreejith Shankar
- Dr. Joshy Joseph
- Dr. C. Vijayakumar
- Dr. Karunakaran Verugopal

COURSE MATERIALS AND CERTIFICATE

- The participants will receive a Certificate and Course material (soft copy)
- Hands on training

Number of students in a batch:
20-25

Fee: Rs. 5,000



Skill India
सक्षमता - विकास - रोजगार



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

Learn With us:

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

DATE: 20.05.26 - 22.05.26 (3 days)

-TIME: 10:00 AM ONWARDS

-ELIGIBILITY: B.Sc./M.Sc./Ph.D in any branch of Engineering/Science/Management/Research/Industrial/Working Professionals

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

-LAST DATE OF REGISTRATION: 10.05.26

COURSE COORDINATORS
Dr. B. Sreekanth
Dr. Abhay Raj

For queries contact:
Anurag Saxena - 992031021
Aastha Chandra - 9565972888
Monika Yadav - 7905199463
Dr. Ravi Ram Krishtipati (Medal Scientist) - 9307449236
sdp.iitr@csir.res.in | sdp.iitr@gmail.com

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

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

Certificates will be provided to all participants

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



IITR



CSIR-IITR



DSIR



RRL

INTEGRATED WORKSHOP ON FERMENTER DEMONSTRATION AND SCALE- UP STRATEGIES FOR BIOPROCESSING

under Government, Academia & Industry Network (GAIN) platform

WORKSHOP HIGHLIGHTS

- Demonstration of Fermenter, their components and working
- Optimization strategies with scale: OTR, mixing, pH, DO, and nutrient gradients
- How to design scale-aware experiments at laboratory scale
- Choosing the right impellers, agitation, and aeration strategies (P/V, kLa, tip speed)
- Using PAT tools, CFD, and scale-down models like Eppendorf DASbox to predict large-scale performance

All sessions taken by Experts from Eppendorf

Scan/Click here to register

Link: <https://www.eppendorf.com/fermentation/CSIR-IITR/Workshop/Registration>

WHO SHOULD ATTEND?	RESOURCE PERSON	DATE & VENUE	REGISTRATION FEES
<ul style="list-style-type: none"> Student Innovators Startups / Incubatees Young Entrepreneurs MISMEs 	<p>Dr. Rachana Kumar - Workshop Convener (Coordinators): Dr. Manish Gaur - 9958812150 Dr. Tripti Ahuja - 9092881213</p>	<p>Tentative 4th week of May 2026 (Two-Days) P. K. Ray Auditorium TDIC, CSIR IITR 9:30 AM onwards</p>	<p>10,000+18% GST Candidates' selection based on screening criteria. ONLY 20 SEATS AVAILABLE</p>

CONTACT US citabionest@gmail.com

Technology Development and Innovation Centre (TDIC)
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
VISHVGYAN BHAWAN, 31, MAHATMA GANDHI MARG, LUCKNOW, 226001



CSIR - CIMFR SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Introduction to PLC & Automation	20th - 22nd May, 2026
2	Analytical Chemistry and its Application in Soil and Water Analysis	15th - 19th June, 2026
3	Hands on Training on Solar PV System Design using Software	23rd - 25th June, 2026
4	Development of Scientific Aptitudes for "विकसित भारत"	13th - 17th July, 2026
5	Electronics and IT Products safety testing methodology	28th-30th July, 2026
6	Catalysis and Chemical Reactions	17th - 21st Aug, 2026
7	Management and Creative Ideas in Scientific Research	21st - 25th Sept., 2026
8	Workshop & Industry Meet on Challenges and Opportunities IN Gasification (CARING 2026)	08th - 08th Oct, 2026
9	Precise Surveying using Modern Equipment	03rd - 06th Nov, 2026
10	Training on Advanced Analytical Methods and Instruments	07th - 11th Dec, 2026
11	Skill Development Program on "Manufacturing, Quality Assessment and Safety of Mining Components"	12th - 14th Jan, 2027
12	Skill Development Program on "Workshop Technology and Practices"	10th - 12th Feb, 2027
13	Biotechnological Solutions for Mining Areas	02nd - 04th Mar, 2027

CSIR - CSMCRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Strategic Algal Techniques for biomass production and Entrepreneurship development	10th - 12th June, 2026
2	Seaweed Cultivation and Processing Technology	17th - 19th June, 2026
3	Seaweed Cultivation and Processing Technology	24th - 26th June, 2026
4	Seaweed Cultivation and Processing Technology	15th - 17th July, 2026
5	Small-scale Solar Thermal Applications with Solar PV Insights	15th - 18th July, 2026
6	Seaweed Cultivation and Processing Technology	17th - 19th Aug, 2026
7	Solar Salt Production & Quality Control	15th - 17th Sep, 2026
8	Seaweed Cultivation and Processing Technology	16th - 18th Sep, 2026
9	Fermentation Technology	14th - 16th Oct, 2026
10	Seaweed Cultivation and Processing Technology	19th - 11th Oct, 2026
11	Fermentation Technology	16th - 18th Nov, 2026
12	Solar Salt Production & Quality Control	15th - 17th Dec, 2026
13	Seaweed Cultivation and Processing Technology	16th - 18th Dec, 2026
14	Applications of Membranes in Water and Energy	12th - 16th Jan, 2027
15	Seaweed Cultivation and Processing Technology	16th - 18th Jan, 2027
16	Soil & Water Testing Lab Analyst	12th - 11th Jan, 2027
17	Plant Tissue Culture Technician	18th - 12th Jan, 2027
18	Training on HPLC for qualitative and quantitative analysis of bio-actives and bio-chemicals from marine algae	10th - 12th Jan, 2027
19	Training on HPLC for qualitative and quantitative analysis of bio-actives and bio-chemicals from marine algae	17th - 19th Jan, 2027
20	Fermentation Technology	18th - 10th Feb, 2027
21	Strategic Algal Techniques for biomass production and Entrepreneurship development	10th - 12th Feb, 2027
22	Small-scale Solar Thermal Applications with Solar PV Insights	13th - 16th Feb, 2027
23	Fermentation Technology	16th - 19th March, 2027
24	Apprentice / Intern	Throughout the year

CSIR - CSIO SKILL DEVELOPMENT PROGRAMME ANNUAL TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Fundamentals of CAD/CAM	19th - 21st May, 2026
2	Fundamental of Drone Technologies and its Application	25th - 28th May, 2026
3	Fundamental of Industrial Robotics and its Application	10th - 11th June, 2026
4	Principles of Mechanical Measurement Techniques	24th - 25th June, 2026
5	Fundamentals of Optical Instrumentation	07th - 09th July, 2026
6	Fundamentals of Water Testing and Analysis	21st - 23rd July, 2026
7	Precision Agriculture & its Techniques	04th - 06th Aug, 2026
8	3D Printing Techniques	18th - 20th Aug, 2026
9	Industry 4.0	01st - 03rd Sep, 2026
10	Fundamentals of Semiconductor Devices	21st - 25th Sep, 2026
11	Photonics Workshop	07th - 08th Oct, 2026
12	Mechatronics & Industrial Automation	13th - 14th Oct, 2026
13	Design and Development of PCB	03rd - 04th Nov, 2026
14	Fundamentals of EDM and Wire EDM Machines	19th - 20th Nov, 2026
15	Antenna and Telemetry Design Workshop	02nd - 04th Dec, 2026
16	IoT for Healthcare	14th - 18th Dec, 2026
17	Design & Development of EV System	06th - 08th Jan, 2027
18	Smart Automation Workshop	20th - 21st Jan, 2027
19	Repair & Maintenance of Electrical Appliances	02nd - 03rd Feb, 2027
20	IoT & its Application (for Deaf & Dumb participants)	16th - 17th Feb, 2027
21	Fundamental of CNC Machine & Programming	03rd - 05th Mar, 2027
22	AI Technology & its Applications	16th - 17th Mar, 2027

CSIR - 4PI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Exploring innovations at CSIR-4PI	18th-19th May 2026
2	Applied Data Science : From Theory to Real World Impact	6th-10th July 2026
3	Think in DATA: Introduction to AI/ML/DS	7th-8th September 2026
4	Earth system : Concept to modeling	16th-20th November 2026
5	Exploring innovations at CSIR-4PI	7th-8th January 2027
6	Applied Data Science : From Theory to Real World Impact	15th-19th March 2027



CSIR - CGCRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Skill Development Training on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	17 April, 2026 (1 day)
2	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	15 - 29 May, 2026 (11 days)
3	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	13-14, may 2026 (2days)
4	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	11-20 May, 2026 (3 days)
5	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	19-22 May, 2026 (4 days)
6	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	20 - 22 May, 2026 (3days)
7	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	1-5 June, 2026 (5 days)
8	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	3 - 5 June, 2026 (3days)
9	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	11-12, June 2026 (2 days)
10	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	15-19 June 2026 (4 days)
11	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	15-19 Jun, 2026 (5 days)
12	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	17-19 June, 2026 (3 days)
13	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	22 - 24 June, 2026 (3days)
14	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	24-26 June 2026 (3days)
15	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	6 - 10 July, 2026 (5 days)
16	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	8-10, July 2026 (3 days)
17	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	7-10 July 2026 (4 days)
18	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	11-15 July, 2026 (3 days)
19	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	15 - 17 July, 2026 (3 days)
20	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	20 - 24 July, 2026 (5 days)
21	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	28-31 July, 2026 (4 days)
22	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	3 - 7 August, 2026 (5 days)
23	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	5th to 7th August, 2026 (3 days)
24	"Functions of Ceramic raw materials in traditional ceramic bodies and Glazes"	10-14 August, 2026 (4 days)
25	Training on Soft Skills and Technical Skills Upgradation on Whiteware Ceramics Fabrication and Characterisation	11-13 August, 2026 (3 days)

CSIR - CGCRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
26	Standardization of process control parameters in a sanitaryware manufacturing unit	15-14 August, 2026 (5 days)
27	Membrane fabrication, and industrial applications related to water purification and filtration	17 - 21 August, 2026 (5 days)
28	Training on complete classical methods of analysis of glass, ceramic and allied materials.	18-21 August, 2026 (4 days)
29	Mineralogical & Chemical Characterization: Principles and Applications (skilling program/ paid)	20-21 August 2026 (2 days)
30	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	1 - 11 Sept, 2026, 9 days
31	Standardization of process control parameters in a sanitaryware manufacturing unit	9-11 September, 2026
32	Terracotta Processing-Slip Casting, Glaze preparation and Clay property evaluation.	3-5, September 2026 (3 days)
33	Training on Soft Skills and Technical Skills Upgradation on Stoneware Manufacturing and Processing	15-18 September, 2026 (3 days)
34	Laboratory Evaluation of Ceramic Tiles ISO Standards & Applications (paid/skilling program)	14 - 30 Sept, 2026, 5 days
35	Advanced training on Atomic Absorption Spectroscopy for quantification of minor and trace elements in glass, ceramic and environmental samples.	22-23 September, 2026 (2 days)
36	Special training on Ceramic Membrane Technology for water treatment & Water & Wastewater Analysis using Advanced Instrumental Techniques	24 - 30 Sept, 2026, (6 days)
37	Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	5 - 16 Oct, 2026, 10 days
38	Good Manufacturing Practices in vitreous china sanitaryware industry.	1-9, october 2026 (7 days)
39	Special training on principles and application of UV-Vis Spectrophotometer, Ion meter, AAS and ICP-AES for analysis of glass, ceramics and allied raw materials	6-9 October, 2026 (4 days)
40	Terracotta Processing- Terracotta Ornament making, PDF mould making, Slip Casting.	7-9 October, 2026
41	Training on Soft Skills and Technical Skills Upgradation on "Terracotta Processing & Characterisation"	12-14 October, 2026 (3 days)
42	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	26 - 30 Oct, 2026, 5 days
43	GMP & Process Control in Fire Clay Refractories - Wankar refractories Cluster Training	2-3 November, 2026 (2 days)
44	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	2 - 6 Nov, 2026, (5 days)
45	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	16 - 20 Nov, 2026, (5 days)
46	Training on Soft Skills and Technical Skills Upgradation on Stoneware Manufacturing and Processing	17-20 November, 2026 (4 days)
47	Training on classical analysis of glass ceramics and allied materials and related grading of glass.	17-20 November, 2026 (4 days)
48	Terracotta Processing- Glaze preparation & application, Plaster of paris mould making.	18th to 20th November, 2026 (3 days)

CSIR - CGCRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
49	Membrane fabrication, and industrial applications related to water purification and filtration	1 - 4 Dec, 2026; 4 days
50	Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control	8-11 December, 2026 (4 days)
51	Physical Testing of Refractory Raw Materials- Refractory testing like PCE, RUL, CCS, Sp. Gravity, CMOX, IMOR.	9-11 December, 2026 (3 days)
52	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	11 - 18 Nov, 2026, (5 days)
53	Training on Soft Skills and Technical Skills Upgradation on Whiteware Manufacturing and Glaze Applications	14-16 December, 2026 (3 days)
54	Training on complete classical methods of analysis of glass, ceramic and allied materials.	15-19 December, 2026 (4 days)
55	standardization of process control parameters in a ceramic tiles manufacturing unit (skilling program/ paid)	21-23, December 2026 (3 days)
56	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	28 - 31 Dec, 2026, (4 days)
57	Advanced training on ICP-OES for quantification of minor and trace elements in glass, ceramic and environmental samples.	5-8 January, 2027 (4 days)
58	Terracotta Processing-Clay property evaluation, Raw material Processing, Slip Casting	6-8 January, 2027 (3 days)
59	Training on Testing of Ceramic Tiles, Sanitaryware and Bricks as per Relevant IS Specifications.	14-15, January 2027 (2 days)
60	Training on Soft Skills and Technical Skills Upgradation on Whiteware Ceramics Fabrication and Characterisation	18-20 January, 2027
61	Advanced training on Atomic Absorption Spectroscopy for quantification of minor and trace elements in glass, ceramic and environmental samples.	19-22 January, 2027 (4 days)
62	Special training on Ceramic Membrane Technology for water treatment & Water & Wastewater Analysis using Advanced Instrumental Techniques	1 - 10 Feb, 2027 (10 days)
63	Special training on principles and application of UV-Vis Spectrophotometer, Ion meter, AAS and ICP-AES for analysis of glass, ceramics and allied raw materials	2-6 February, 2027 (4 days)
64	Physical Testing of Refractory Raw Materials- Refractory testing like Creep Test, Dilatometer, Thermal Conductivity, PCE, RUL.	9-5 February, 2027 (7 days)
65	Lab operations in a process control lab of ceramic tile industry.	9-10, February 2027 (2 days)
66	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	22 - 26 February, 2027, (5 days)
67	Training on Soft Skills and Technical Skills Upgradation on "Terracotta Processing & Characterisation"	22-26 February, 2027 (5 days)
68	Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control	1-5 March, 2027 (4 days)
69	standardization of process control parameters in a ceramic tiles manufacturing unit (skilling program/ paid)	1-5, march 2027 (3 days)
70	Skill Development Training Program on Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques	8 - 12 March, 2027, 4 days
71	Training on Soft Skills and Technical Skills Upgradation on Whiteware Manufacturing and Glaze Applications	8-10 March, 2027 (3 days)
72	Terracotta Processing- Slip Casting, Plaster of paris mould making and finishing.	10-12 March, 2027 (3 days)

CSIR - CLRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Introductory Training Program on Leather Goods Making using chicken-feet leather and ethnic fabrics	28th - 30th Apr, 2026
2	Waste Management - Operation of Pre-/Primary effluent treatment system in tanneries for industry personnel	05th May, 2026
3	Waste Management - Wastewater analysis	11th - 15th May, 2026
4	Innovation IPR-Sports	14th May, 2026
5	ToT: Advanced Leather Manufacturing Technologies for Industry Personnel	15th May, 2026
6	Design for footwear	18th - 22nd May, 2026
7	Applications of Spectroscopy and Microscopy	04th - 05th May, 2026
8	Advanced Leather Manufacturing	02nd - 31st May, 2026
9	ToT: Leather Posttanning and Finishing for the Industry Personnel	01st - 30th June, 2026
10	Leather Physical and Manual Testing for industry personnel	01st - 05th June, 2026
11	Basics of Mass Spectroscopy and its applications in Science and Technology	08th - 12th June, 2026
12	Basics of NMR & EPR and their applications	13th - 17th June, 2026
13	Safety in Footwear Industry	22nd - 26th June, 2026
14	Basics of LC-MS/MS and its applications	22nd - 25th June, 2026
15	Safety in Footwear Industry	22nd- 26th June, 2026
16	Sustainable/Cleaner Leather Manufacturing	01st - 30th June, 2026
17	Waste Management - Wastewater analysis	15th - 19th June, 2026
18	Diploma in Footwear Manufacture and Design	01st July, 2026 - 30th June, 2027
19	Machine Operations - Footwear	01st - 31st July, 2026
20	Post Graduate Diploma in Footwear Technology	01st July, 2026 - 31st Dec, 2027
21	Quality control orders	01st - 31st July, 2026
22	Physical testing as per quality control orders	01st - 15th July, 2026
23	Basics of TEM & SEM and their application in science	06th - 10th July, 2026
24	ToT: Leather Processing and Product Manufacturing for the Industry Personnel	06th - 17th July, 2026



CSIR - CLRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
25	Basics of Microscopy and spectroscopy	13th - 17th July, 2026
26	Chemical testing as per quality control orders	15th - 31st July, 2026
27	Coating for footwear	20th - 24th July, 2026
28	TOT: Leather Processing and Product Manufacturing for the Industry Personnel	27th July - 07th Aug, 2026
29	Occupational Health and Safety	01st - 31st July, 2026
30	Need for calibration of Internal equipments	03rd Aug, 2026
31	Value addition and solid waste management from tannery & CETP	03rd - 07th Aug, 2026
32	Design for footwear	03rd - 07th Aug, 2026
33	Total Quality Management for Footwear Production	03rd - 14th Aug, 2026
34	Logistics and Resource Management for Leather and Leather Products	03rd - 14th Aug, 2026
35	Calibration of Internal Equipments	04th - 07th Aug, 2026
36	Orientation to Leather Manufacture to design personnels	05th - 06th Aug, 2026
37	Basic training on combination products for craft sector, Tamil nadu	17th - 21st Aug, 2026
38	Application of statistics using R Programming	20th Aug, 2026
39	Orientation to Leather Manufacture to design personnels	26th - 27th Aug, 2026
40	Waste Management	01st - 31st Aug, 2026
41	Value addition and solid waste management from tannery & CETP	07th - 11th Sep, 2026
42	Application in Bioinformatics: Sequence and Structural perspective	09th Sep, 2026
43	Industrial Engineering for footwear factory	21st - 25th Sep, 2026
44	Basic training on leather goods design and manufacturing, Delhi	17th - 18th Sep, 2026
45	Industrial Engineering for footwear factory	21st - 25th Sep, 2026
46	Transformation of Industry 4.0 in footwear sector	01st - 11th Sep, 2026
47	Training programme in GAIT ANALYSIS	01st Sep - 30th Oct, 2026
48	Polymers and compounding techniques	14th - 18th Sep, 2026

CSIR - CLRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
49	Diploma in Leather Processing	01st Sep, 2026 - 31st Aug, 2027
50	Post Graduate Diploma in Leather Technology	01st Sep, 2026 - 28th Feb, 2028
51	Orientation Programme in Leather and Products Manufacture	01st - 30th Sep, 2026
52	Wastewater analysis for industry personnel	07th - 11th Sep, 2026
53	Training on Ethnic textile & combination handbags and accessories, Manipur	12th - 16th Oct, 2026
54	Production planning in footwear manufacturing	15th - 16th Oct, 2026
55	Safety footwear	05th - 16th Oct, 2026
56	Sports good	01st - 31st Oct, 2026
57	Design Innovation: Techniques and approaches	25th - 27th Nov, 2026
58	Design for footwear	02nd - 06th Nov, 2026
59	Organizational Behaviour and HRM for Leather Production	01st - 30th Nov, 2026
60	LEAN Manufacturing in footwear	07th - 11th Dec, 2026
61	Statistics for Biomechanics	18th Dec, 2026
62	Leather mark	04th - 06th Jan, 2027
63	Different sustainability certification for leather sector	06th - 09th Jan, 2027
64	Customer Relationship Management for Leather /LEATHER PRODUCTS Brands	
65	Testing of slippers, sandals and hawai chappals	04th - 15th Jan, 2027
66	Advanced wastewater treatment system	25th - 09th Feb, 2027
67	Design for footwear	01th - 05th Feb, 2027
68	Short Term Executive Skill Development Program in Leather/Non Leather Footwear Manufacture	01th - 28th Feb, 2027
69	Quality and Visual Inspection of material for footwear and products	08th - 20th Feb, 2027
70	Transformation of Industry 4.0 in footwear sector	01st - 12th Mar, 2027
71	Training programme in Therapeutic footwear	01th - 13th Mar, 2027

CSIR - NIScPr Skill Development Programme TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Skill Training in Basics of Koha Software	10th - 12th June, 2026
2	Skill Training in Design, Development and use of AI in Institutional Repositories using Dspace	06th - 10th July, 2026
3	Skill Training in Science Communication and Emerging Trends	04th - 05th Aug, 2026
4	Skill Training in Popular Science Writing	06th - 07th Aug, 2026
5	Skill Training in Library Automation, Digitization and	05th - 16th Oct, 2026
6	Skill Training in Artificial Intelligence for Libraries	17th - 19th Nov, 2026
7	Skill Training in Basics of Dspace Software	15th - 17th Dec, 2026
8	Skill Training in Library Automation using Koha	18th - 22nd Jan, 2027
9	Skill Training in Science Communication and Emerging Trends	16th - 17th Feb, 2027
10	Skill Training in Popular Science Writing	18th - 19th Feb, 2027

CSIR - NGRI SKILL DEVELOPMENT PROGRAMME TRAINING CALENDAR 2026-27

S. No	Name of the Skill Development Program (SDP)/ Training Programme	*Programme Date (Duration)
1	Geophysical Methods for Mineral Exploration	06th - 10th July, 2026
2	IP for Earth	14th - 16th July, 2026
3	Subsurface Characterization of Geological Carbon Storage Site	20th - 24th July, 2026
4	Applications of Remote Sensing and GIS in Earth Surface Process	27th - 31st July, 2026
5	Seismological Data Analysis and its Applications	03rd - 14th Aug, 2026
6	Training course on "Magnetotelluric Exploration for Earth Resources	07th - 11th Sep, 2026
7	Near Surface Geophysical Techniques and Applications	21st - 30th Sep, 2026
8	Basics and Hands on training Using Non- invasive Electrical and Eletromagnetic geophysical exploration	05th - 14th Oct, 2026
9	Training program on GNSS Basic Principles, Data Processing and Applications	30th Nov- 04th Dec, 2026
10	IP for Manthan	08th - 10th Dec, 2026
11	Advanced Seismic Techniques for Geoenergy Exploration	14th - 18th Dec, 2026
12	Advanced Training Programme on Groundwater Quality	08th - 19th Feb, 2027
13	Geosciences for Geothermal Energy - (G2E2)	22nd - 27th Feb, 2027
14	Training Program on Fossil Fuel and Climate History	01st - 08th Mar, 2027

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

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



LATEST NEWS

डेटा विश्लेषण विषय पर कौशल संवर्धन कार्यशाला 18 से

सिटी पल्स न्यूज, हिसार। गुरु जम्भेश्वर विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, हिसार (गुजवि) के हरियाणा स्कूल ऑफ बिजनेस (एचएसबी) के सीजन से 18-22 मई, तक डेटा एनालिसिस यूजिंग स्मार्टपीएलएस, स्टाटा, आर एंड ग्रेटल का उपयोग करके डेटा विश्लेषण विषय पर 5-दिवसीय कौशल संवर्धन कार्यशाला का आयोजन किया जा रहा है। विश्वविद्यालय के कुलपति प्रो. नरसी राम बिश्नोई ने कार्यशाला के ब्रोशर का विमोचन किया। इस अवसर पर एचएसबी के निदेशक प्रो. संजीव कुमार, सीडीओई के निदेशक प्रो. खुजान सिंह, कार्यशाला समन्वयक प्रो. सुनीता रानी व कार्यशाला सह-समन्वयक डॉ. अभिषेक पूनिया उपस्थित रहे।

कुलपति प्रो. नरसी राम बिश्नोई ने इस अवसर पर कहा कि गुजविप्रौवि विद्यार्थियों में कौशल विकसित करने के लिए प्रतिबद्ध है।



कार्यशाला के ब्रोशर का विमोचन करते कुलपति प्रो. नरसी राम बिश्नोई।

यह कार्यशाला प्रतिभागियों के लिए अत्यंत उपयोगी होगी। उन्होंने विद्यार्थियों को इस कार्यशाला में अधिक से अधिक भागीदारी करने का आह्वान किया। उन्होंने इस कार्यशाला के सफल आयोजन के लिए आयोजकों को शुभकामनाएं दी।

हरियाणा स्कूल ऑफ बिजनेस के निदेशक प्रो. संजीव कुमार ने वर्तमान शैक्षणिक और पेशेवर माहौल में अनुसंधान-उन्मुख कौशल विकास के महत्व पर जोर दिया। उन्होंने कहा कि इस कार्यशाला को आधुनिक सांख्यिकीय और विश्लेषणात्मक

सॉफ्टवेयर का व्यावहारिक अनुभव प्रदान करने के लिए डिजाइन किया गया है, जिनका अनुसंधान और उद्योग जगत में व्यापक रूप से उपयोग किया जाता है।

कार्यशाला समन्वयक प्रो. सुनीता रानी ने बताया कि ऑफलाइन माध्यम से होने वाली यह कार्यशाला शोधार्थियों, शिक्षाविदों और पेशेवरों के लिए डिजाइन की गई है, ताकि वे उन्नत सांख्यिकीय उपकरणों का उपयोग करके अपने डेटा विश्लेषण और अनुसंधान कौशल को बढ़ा सकें।

Business Standard

Skill ministry working on unified database of skilling centres: MSDE Secy

MSDE Secretary Debashree Mukherjee said the ministry is building a common database of skilling centres to improve coordination and benchmark quality standards

Auhona Mukherjee |



Representative image

The Ministry of Skill Development and Entrepreneurship (MSDE) is working on creating a database of skilling centres across the country, including those run by government, industry, and private players, to address fragmentation in India's skill development ecosystem, Skill Secretary Debashree Mukherjee said on Monday. Speaking at the CII Annual Business Summit 2026, Mukherjee said one of the key challenges in the skilling ecosystem was the absence of shared information despite multiple actors — industries, CSR programmes, colleges, and institutions.

"We are now trying to put together a database of centres of excellence in skilling, run both by industry, government, and private sector so that it is available to everybody to show what are the gold standards on skill development," Mukherjee said.

Business Standard

Govt plans overhaul of skilling course content, pilot likely in 2 months

Govt to pilot modular, digital-first skilling content with 200 learning units to boost flexibility and sector-specific training

Auhona Mukherjee | New Delhi



The initiative will involve the creation of nine modules, 50 sub-modules, and around 200 learning units. (Stock photo)

The Ministry of Skill Development and Entrepreneurship (MSDE) is likely to roll out a pilot project in the next two months to develop new digital content for government skilling programmes, according to two officials aware of the matter.

The initiative will involve the creation of nine modules, 50 sub-modules, and around 200 learning units.

The Centre is expected to spend around ₹8 crore on the initiative, with content to be developed by a vendor selected through requests for proposals (RFPs). The new learning materials are likely to be made available online free of cost as part of efforts to standardise training content across the skilling ecosystem, the officials said.



(Please click on the link to view the details)

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- ▶ [उत्तर प्रदेश कौशल विकास मिशन ने युवाओं को रोजगारपरक प्रशिक्षण प्रदान करने के लिए कार्ययोजना तैयार की है](#)
- ▶ [दरभंगा में 10वीं पास युवाओं के लिए रोजगार मेला, जार्ने सैलरी और आवेदन प्रक्रिया](#)
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- ▶ [Charkhi Dadri News: कौशल भारत अभियान के अंतर्गत 440 युवाओं को मिलेगा रोजगारपरक प्रशिक्षण](#)
- ▶ [रुद्रपुर में जिला स्तरीय कौशलम एक्सपो आयोजित किया गया, जहाँ 20 से अधिक विद्यालयों के छात्रों ने नवाचारी प्रोजेक्ट्स और उद्यमशीलता आधारित मॉडल प्रस्तुत किए।](#)
- ▶ [12वीं, आईटीआई और डिप्लोमा पास युवाओं को 23 हजार तक की नौकरी, 16 मई को लगेगा कैंप, पीएफ-ईएसआई की सुविधा भी](#)
- ▶ [बिहार के पटना जिले में कौशल विकास मिशन के तहत युवाओं को रोजगारपरक प्रशिक्षण और अवसर देने के लिए एक बड़ी पहल की गई है](#)
- ▶ [कौशल विकास गतिविधियों की सतत मॉनिटरिंग से युवाओं को मिलेगा बेहतर प्रशिक्षण और रोजगार : मंत्री श्री टेटवाल](#)

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(CSIR Integrated Skill Initiative)

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