

## CSIR SKILL BULLETIN (A FORTNIGHTLY E-PUBLICATION)

सीएसआईआर कौशल पत्रक  
(पाक्षिक ई-प्रकाशन)

### Editorial Team

- Dr Vinay Kumar
- Ms Neeti Sagar

### In this issue

- Skill Trainings by CSIR
- Nodal Office Updates
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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-NPL, New Delhi, conducted a training program on "IS/ISO/IEC 17025:2017 (General Requirements for the Competence of Testing and Calibration Laboratories) and Internal Audit" during 4th - 7th August 2025. The program was designed to provide comprehensive insights into quality infrastructure and the role of CSIR-NPL (National Metrology Institute of India). Key sessions included the requirements of the IS/ISO/IEC 17025:2017 standard, risk-based thinking, quality system documentation, internal audit techniques, and the accreditation process. A total of 53 participants (31 external and 22 internal) attended the training, representing diverse organizations such as the National Institute of Ocean Technology (NIOT), Defence Research and Development Organisation (DRDO), Food Corporation of India (FCI), Indian Institute of Technology, Delhi Technological University (DTU), accredited laboratories, along with scientists and technical officers from CSIR-NPL.



CSIR-CGCRI, Kolkata conducted a four-day skill training programme on “Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control” in the Multiscale Microstructure and Mechanics of Materials (4M) Division during 5th - 7th August 2025. A total of 30 engineering undergraduate students participated in the training programme. The trainees were given demonstrations on the working principles of sophisticated analytical instruments routinely used in the laboratory for chemical analysis of glass, ceramics and allied samples followed by hands-on training. Finally, the trainees were imparted training on testing and calibration techniques related to temperature measurement and control and basic instrumentation measurements and techniques.



CSIR-CECRI, Karaikudi, is conducting a one-week Skill Development Training Program on “Electrochemical Power Sources: Lithium-ion Battery - Science and Technology” during 18th - 22nd August 2025. The programme aims to provide the latest knowledge and skills in the field of Lithium-ion battery technology and is being attended by 41 participants from different parts of Tamil Nadu. The training programme was inaugurated by Dr. M. Raju, Chief Scientist & Head, Central Instrumentation Facility Division, who also explained the divisional activities. The event is being coordinated and hosted by Dr. S.M. Rajendran, Chief Scientist, Head & Nodal Officer of ISI under CECRI's Skill Development Group. A formal vote of thanks was proposed by Dr. S. Sudhakar, Senior Principal Scientist, Electrochemical Power Sources Division.



CSIR-CBRI, Roorkee, conducted a training program on “Safe Construction Practices” during 18th - 22nd August 2025 for engineers from Sirmaur and Hamirpur districts.

The program specifically focused on identifying issues related to house construction in hilly regions and exploring ways to make them more robust and disaster-resilient. A total of 35 engineers participated in the training.



CSIR-CGCRI, Kolkata conducted a skill development programme on “Ceramic Membrane Technology, Water & Wastewater Analysis using Advanced Instrumental Techniques” at the Institute during 18th – 22nd, August 2025. Various important quality parameters of drinking water and wastewater were taught such as principal and analytical methods for estimation / determination of Arsenic, Iron, Fluoride, Hardness, pH, TDS, BOD, COD, Turbidity, TKN, microbiological parameters etc. 19 nos. of Science pursuing students from Ramakrishna Mission Vivekananda Centenary College, Rahara, West Bengal participated in this skill development programme. They attended the programme with enough curiosity and found it informative as well as of practical importance and appreciated these training modules. Aptitude test was also conducted through multiple choice question paper and they appeared successfully.



CSIR-NIO, Goa, conducted a four-day training program on “Hands-on Training on Seawater Analysis – Techniques and Applications” during 19th – 22nd August 2025. A total of 28 participants from different colleges in Goa attended the program. The training provided practical exposure to measuring key seawater parameters such as pH and salinity using multiparameter probes, along with chlorophyll estimation and oxygen demand assessments (DO, BOD, COD). Participants also engaged in a live session on seawater sample collection and carried out nutrient analysis for nitrite, nitrate, phosphate, and silicate using standard spectrophotometric and reduction techniques.



CSIR-CEERI, Pilani, conducted the first batch of the Rajasthan State Industrial Development & Investment Corporation Limited (RIICO), Jaipur-sponsored Skill Development Program on “Advanced Industrial IoT” on 21st August 2025 at the CSIR-CEERI Jaipur campus under the CSIR-Integrated Skill Project-III.



CSIR-IICT, Hyderabad, conducted a five-day online training program on “Basics of Machine Learning using Python” under the CSIR Integrated Skill Initiative (Phase-III) starting from 25th August 2025. A total of 42 participants joined the program. The inaugural session featured addresses by Dr. A.G. Rao, Dr. K. Yamuna Rani, and Mr. P. Anil Kumar, followed by a vote of thanks delivered by Dr. Mohammad Shahab. Colleagues and team members also attended the session virtually.





# UPCOMING EVENTS

## आगामी आयोजन

**Skill Development Program**  
On  
**"Nanotheranostics for Biomedical Applications"**

27<sup>th</sup> to 31<sup>st</sup> October 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	: 27 <sup>th</sup> to 31 <sup>st</sup> October 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	: <a href="http://recruitment.ccm.res.in/training_programs/sdp/">http://recruitment.ccm.res.in/training_programs/sdp/</a>

**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.res.in](mailto:sdp@ccmb.res.in)

3D Bioprinting

Scan to Apply

**Workshop on Genotoxicity**

**Program Schedule (Hands-On):-**

- Basic Principles Of Genotoxicity
- Micronucleus Assay
- Single-Cell Gel Electrophoresis (Comet Assay)
- Chromosomal Aberration Test

**September 17-19, 2025**  
9:30 AM Onwards

● **Eligibility:-** M.Sc

● **Course Fee:-**  
For academia- Rs.3000/-  
For industry- Rs.7000/-

● **Last Date of Registration:**  
**01.09.2025**

**Course Coordinator:**  
Dr. Alok K Pandey  
Senior Principal Scientist

**Max. seats - 20**  
Certificates will be provided to all participants

**VENUE**  
CSIR-IITR  
M.G Marg, Lucknow

SCAN HERE FOR PAYMENT -

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

Share

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

Course fee is only for imparting training. Additionally, whenever 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 EARLY. WE SEND YOU A CONFIRMATION MAIL FROM OUR SIDE.

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

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

Call for Applications for Course of  
**HONEY BEE FARMER (SMALL UNIT)**

Course code: AGRQ5303; NSQF level: 2

Honey bee Farmer (Small Unit) Program is certified by Agriculture Skill Council of India (ASCI). This program aims at providing hands-on skills of bee keeping to farmers/ stakeholders

**Course Highlights:**

- Setting up and maintaining a beehive
- Inspecting and monitoring the hive
- Hive structure and components
- Beekeeping equipment
- Honey and by products
- Pest and disease management
- Employment skills

**Course Start Date: 15<sup>th</sup> September, 2025**

**Last Date of Application: 05-09-2025**

**Course Fee : Rs. 1000/-**

**No. of seats : 10**

**Educational qualification: Open to all; No formal education required**

**Course coordinator & Nodal Skill Development Programme**  
**Dr. Gireesh Nadda**

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

**Course duration: 210 hours**  
30 days (approx.)

**Contact us:**  
Phone: +91-1894-233339 (Ext.) 346; 352  
Email: [skill\\_ibbt@csir.res.in](mailto:skill_ibbt@csir.res.in)  
Website: [www.ibbt.res.in](http://www.ibbt.res.in)

**Entrepreneurship Awareness Program on Translating Idea to Enterprise: A road map for young entrepreneurs**

**September 17, 2025 (01 day)**

**Program Coverage:**

1. Learn what entrepreneurship really means
2. Get to know government schemes and funding opportunities
3. Hear real success stories from entrepreneurs
4. Discover how to turn ideas into enterprises

**Who can Apply:**

- Graduates
- Research Scholars
- Industry Employees
- MSME Representative
- Govt. Officials

**Benefits:**

1. Clear career path in entrepreneurship
2. Guidance on starting your own business
3. Awareness of funding & financial support
4. Networking with experts & peers

**Application Guidelines**


- No Application Fees
- Only 50 Seats Available
- Selection as per MSME Guidelines
- Candidates will be selected after screening of Applications
- No TA/DA/Accommodation

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

**VENUE**  
CSIR-IITR  
M.G. Marg Campus

**For queries, contact:**  
Monika Yadav (student coordinator)- 7905199463  
Sadiya Zafar (student coordinator)- 9838608758  
Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236  
[sdp1.itr@csir.res.in](mailto:sdp1.itr@csir.res.in) / [sdp1itr@gmail.com](mailto:sdp1itr@gmail.com)

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



**कौशल विकास कार्यक्रम / Skill Development Programme**  
अंतर्गत / Under  
सीएसआईआर एकीकृत कौशल पहल / **CSIR Integrated Skill Initiative**

**विश्लेषणात्मक रसायन एवं मृदा व जल विश्लेषण में इसका अनुप्रयोग**  
**Analytical Chemistry and its Application in Soil and Water Analysis**

**15<sup>th</sup> – 19<sup>th</sup> September, 2025**

**Eligibility Criteria**  
Students pursuing M.Sc in Chemistry/ Environment Science  
From a recognized Institute /College /University




Scan for Registration

**SOIL LIFE**

Last Date of Registration: **04<sup>th</sup> September, 2025**

Registration link  
[https://docs.google.com/forms/d/1B3CW2I9IAJPTyXDR3mUqc4\\_tnk-pUilrcwpk4IRodw/edit](https://docs.google.com/forms/d/1B3CW2I9IAJPTyXDR3mUqc4_tnk-pUilrcwpk4IRodw/edit)

आयोजकर्ता / Organized by  
एचआरडी एवं कार्बोनाइजेशन और पर्यावरण, उत्सर्जन और सीआरएम अनुसंधान समूह  
HRD and Carbonization & Environment, Emission Research Group  
सीएसआईआर- केंद्रीय खनन एवं ईंधन अनुसंधान संस्थान, धनबाद  
CSIR-CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH, DHANBAD



**Metal nano-particle synthesis and their in-vitro cytotoxicity analysis**

**What you will learn**

- Skills in the wet chemical process of synthesizing metal nano-particles.
- Understanding the role of cappings for metal nano-particles
- Hands-on training for participants on nano-particle synthesis in the solution phase
- Protocols for synthesizing metal nano-particles using functional molecules.
- Introduction to mammalian cell culture and in-vitro assays for toxicity evaluation.
- Evaluation of the toxicity of silver nano-spheres via MIT/Alamar Blue assays.

**Course Coordinators-**  
Dr. R Raja Gopal (Senior Principal Scientist)  
Dr. Pradeep K. Sharma (Principal Scientist)

Scan here to register or click on the link below  
**Nodal Scientist-**  
Dr. Ravi Ram Kristipati  
Student Coordinators  
Monika Yadav - 7905199463  
Sadiya Zafar - 9838608758  
Anuriti Saxena - 9918703121

Scan here for payment

**Date of Workshop**  
September, 10-11-2025

**Last Date of Registration**  
05.09.2025

**Eligibility:-** B.Sc. /M.Sc. /B.Tech/M. Tech Ph.D in Life Sciences/Nanotechnology or Chemical sciences/Forensic Sciences

**Time :-** 9:30 AM-5:30 PM  
**Venue:-** CSIR-IITR, M. G. Marg, Lucknow

**Course Fee-**  
For academia- Rs.3000/-  
For industry- Rs.5000/-

**Special Benefits of this workshop**

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

**CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS**

\*Course fee is only for imparting training. Additionally, when ever applicable, candidates have to make their own arrangements (related to lodging/boarding, travel, local transportation, etc.) and bear these expenses on their own. The fee waiver is not related, unless the course is executed.  
\*\*Do not book your ticket until you get a confirmation mail from our end.

CSIR Indian Institute of Toxicology Research, CSIR-IITR Vishwanagar, Bhubaneswar, 751 005, Odisha, India



**BASIC SKILL DEVELOPMENT TRAINING ON**  
**"Industrial Catalyst Preparation and Micro Reactor Studies"**  
(15<sup>th</sup> to 26<sup>th</sup> September 2025)

**CSIR-INDIAN INSTITUTE OF PETROLEUM**

**INTRODUCTION**

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

CSIR-IIP conducts skill development programs under 'CSIR Integrated Skill Initiatives (ISI) and applications are invited from eligible participants for basic skill development training program on "Industrial Catalyst Preparation and Micro Reactor Studies".

Our Catalytic Reforming Area is equipped with range of catalyst preparation, numerous test measurement instruments and our scientists having vast knowledge base and working experience. The participants will have the opportunity to obtain a broad working knowledge of Industrial Catalyst preparation and Micro Reactor Studies.

**CSIR INTEGRATED SKILL INITIATIVE**

**GET IN TOUCH**

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

E-mail: [preemchand.nerusu@iip.res.in](mailto:preemchand.nerusu@iip.res.in)  
Sh Premchand Nerusu,  
Tel No 0135-2525952(O), M- 9481709862  
Sh Rajnish Bhatnagar,  
Tel No 0135-2525951(O), M-8218559825

**PRE-REQUISITES / QUALIFICATION**  
Having graduation and post graduation in Chemical Sciences & Petroleum Engg  
Age: 20-40years

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

**KEY FEATURES OF THE PROGRAM**

- Theory: Practical: 40: 60
- Interactive sessions for in-depth knowledge sharing.
- Evaluation of trainees will consist of both Theory & Practical component.
- Exposure to R&D labs.
- 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 interview / enrolment.
- A non-refundable course fee of ₹ 2500 (Rupees Two Thousand Five Hundred only) per person is applicable for students/unemployed candidates, and ₹ 20,000 (Rupees Twenty thousand only) for sponsored candidates.
- The 50% fee waiver is available 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.

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

**BASIC SKILL DEVELOPMENT TRAINING ON**  
**"INDUSTRIAL CATALYST PREPARATION AND MICRO REACTOR STUDIES"**

**OBJECTIVES & SCOPE**  
Training is aimed at providing knowledge and hands-on experience on catalyst preparations, & evaluation to those new to the hydrocarbon & petrochemical industry / R&D Institute/Academics.

**AFTER SUCCESSFUL COMPLETION**  
With access to advanced analytical instrumental facilities backed by talented staff, 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**

Theory	Practical
<ul style="list-style-type: none"> <li>Introduction to Catalysts and Catalysts</li> <li>Catalyst materials and promoters</li> <li>Synthesis of catalyst (common methods)</li> <li>Catalyst modification (pre &amp; post)</li> <li>Important catalytic reactions</li> </ul>	<ul style="list-style-type: none"> <li>Basic work for catalyst preparation</li> <li>Selection of raw materials and their preparation</li> <li>Stabilizer formation / shaping of catalyst support</li> <li>Thermal treatments involved in catalyst preparation (drying and calcination)</li> <li>Pre and post modification of catalyst materials</li> <li>Model preparation of catalyst characterization in catalyst preparation reaction studies of the prepared catalyst</li> </ul>

**IMPORTANT DATES**  
Last date for submission of Application: 15<sup>th</sup> September 2025  
Course Duration: 15<sup>th</sup> to 26<sup>th</sup> September 2025


# ANNUAL SKILL TRAINING CALENDAR BY LABS

प्रयोगशालाओं द्वारा वार्षिक कौशल प्रशिक्षण कैलेंडर



**Skill development programs under CSIR Integrated Skill Initiative**  
(Short-term advanced courses)

**Annual Planner FY 2025-2026**




Organized by  
**CSIR-STRUCTURAL ENGINEERING RESEARCH CENTRE, CHENNAI**


**About CSIR Integrated Skill Initiative:**  
The Council of Scientific and Industrial Research (CSIR) is embarking upon the "Skill India" mission of the Government of India under its "CSIR Integrated Skill Initiative" Programme. Under this umbrella of Skill India, CSIR laboratories have taken up various skill training programs under different domains.

On 24th September 2016 Honorable Prime Minister Shri. Narendra Modi inaugurated the "CSIR Platinum Jubilee" Celebration. On this occasion, "CSIR Integrated Skill Initiative" programme has been launched on pan-India basis in all CSIR labs. The aim is to train people of India in all relevant skill areas. All these training programs are interconnected and linked to industry requirements and thus would invariably contribute to subsequent employment generation, including small-scale entrepreneurship.

**About CSIR-SERC**  
CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, India is one of the national laboratories under the Council of Scientific and Industrial Research (CSIR), India. CSIR-SERC has built up excellent facilities and expertise for the analysis, design, and testing of



structures and structural components. Services of CSIR-SERC are being extensively used by the Central and State Governments and public and private sector undertakings. Scientists of CSIR-SERC serve on many national and international committees and the Centre is recognized at the national and international levels as a leading research institution in the field of structural engineering.



**R&D Thrust Areas**

- Structural Health Monitoring & Life Extension
- Disaster Mitigation (Earthquake & Wind)
- Advanced Materials for Sustainable Structures
- Special and Multi-Functional Structures
- Offshore Structures
- Energy Infrastructure

**Expertise:**

- Computational Structural Mechanics
- Bridge Engineering
- Fatigue & Fracture
- Health Assessment Using Guided Wave Propagation
- Nano Mechanics & Engineering
- Risk & Reliability
- Shock & Vibration
- Steel Structures
- Structural Concrete Engineering
- Structural Dynamics & Engineering
- Structural Health Monitoring
- Sustainable Materials and Composites
- Wind Engineering
- Offshore structures
- Energy infrastructures

**About Short-Term Courses:**  
CSIR-SERC organizes various skill development programmes under CSIR Integrated Skill Initiative. Past five years, CSIR-SERC organized about 100 short-term advanced courses (online/offline) through which nearly 4000 participants from industry, research institutes & academia got benefited.






For the current financial year (FY 2025-2026), 9 training programs / Skill Development Programs / Short-Term Courses of short duration (2-3 days) are being planned to organize through offline mode (physical). These courses are designed in such a way that they will cover the major areas in Structural Engineering. Both technical lectures and demonstrations will be covered in these courses. The course faculty members are the scientists of CSIR-SERC who have vast experience in specific areas of structural engineering. In addition, there may be a few external experts who will deliver the lectures. Also, the demonstrations and practical sessions will be conducted in the state-of-the-art laboratories of CSIR-SERC.


On successful completion, course participants will receive the participation certificates at the end of the course. Due to its short duration and condensed, focused, and capsulated syllabus, the short-term courses are well received by students, academicians, employed, and entrepreneurs who are unable to spare more time.

**On-demand / Industry sponsored courses (tailor-made):**  
Academic Institutions/Government Departments/Industries can contact us for tailor-made programs exclusively designed for their students/staff/sponsored participants in the area of Structural Engineering. The medium of presentation and interaction will be in English. For inquiries regarding tailor-made courses, kindly contact us through email at [director@serc.res.in](mailto:director@serc.res.in) / [shredd@serc.res.in](mailto:shredd@serc.res.in).

**Prerequisites**  
The course registrants can ensure adequate knowledge on the background to course contents through academic qualifications/working experience to fully exploit the benefits of attending advanced courses.

**Schedule of Courses for 2024-2025:**

Course Code	Title of the Course	Proposed Dates	Course Fee
AC-01	Seismic Engineering and Testing	2-4 September 2025	Rs. 3000/-
AC-02	Engineering of Special Concretes with focus on Sustainability, Rheology and Microstructural Characterization	10-12 September 2025	Rs. 3000/-
AC-03	Recent Advances in Concrete Technology and Durability of Concrete Structures	15-17 October 2025	Rs. 3000/-



AC-04	Wind Loads and Effects on Structures (WILES-2025)	17-19 December 2025	Rs. 3000/-
AC-05	Integrated Multihazard Mitigation: Smart Materials, Vibration Analysis, and Control Strategies	29-31 January 2026	Rs. 3000/-
AC-06	Transmission & Telecommunication towers: Design, Retrofitting, and Future Trends	4-6 February 2026	Rs. 3000/-
AC-07	Artificial Intelligence and Drone Technology for Condition Assessment of Concrete Structures	11-13 February 2026	Rs. 3000/-
AC-08	Advanced Structural Engineering and Digital Technologies for Sustainable Infrastructure	25-27 February 2026	Rs. 3000/-
AC-09	Integrated Sensing and Inspection for Global Health monitoring of Structures	18-20 March 2026	Rs. 3000/-

Registration and other details will be regularly updated at <https://serc.res.in/course>

**Contact:**  
The Director / Head-SHRDD  
CSIR-SERC, Chennai – 600 113  
Tamil Nadu, India  
Phone: 044 – 2254 4760/4762  
Fax: +91-44-22541508  
Email: [director@serc.res.in](mailto:director@serc.res.in) / [shredd@serc.res.in](mailto:shredd@serc.res.in)





## GEOPHYSICAL METHODS FOR MINERAL EXPLORATION

A CSIR - Integrated Skill Initiative



**OCTOBER 06 - 11, 2025**

**SEPTEMBER 06, 2025**

Contact us  
**040-2701 - 2332/2810**

**skills.ngri@csir.res.in**

Visit our website  
**www.ngri.res.in**



**REGISTER NOW**

### COURSE STRUCTURE

The course will involve theory combined with field and practical classes. A brief list of geophysical methods which will be covered in this course are: 1) Gravity and Magnetics, 2) Magnetotelluric, 3) Electrical Resistivity Tomography, 4) Self and Induced Potential (SP & IP) methods, 5) Electrical Vector Resistivity Imaging (EVRI).

The course will be taught by the NGRI scientists working in relevant research field.

**CERTIFICATION**

**A certificate will be issued to the participants for the successful completion of the course.**

**INFORMATION**

**CONTACTS**

- Dr. Abhey Ram Bansal, Course Coordinator  
Email: arb.ngri@csir.res.in
- Dr. Mahak Singh Chauhan, Course Co-Coordinator  
Email: mahaksingh.ngri@csir.res.in

**Email:** skills.ngri@csir.res.in      **Phone:** 040-2701 2332/2810

**Website:** <https://www.ngri.res.in/cms/skill-development.php>

### ABOUT CSIR - NGRI


Established in 1961, the National Geophysical Research Institute (NGRI) is a constituent research laboratory of the Council of Scientific and Industrial Research (CSIR). NGRI's mission is to carry out public-good science research to help stakeholders in the public and private sectors, government agencies, and the general public make well-informed decisions on the sustainable use of georesources and to increase preparedness and resilience to natural catastrophes. With a workforce of scientists, highly skilled technical staff members, research scholar as well as cutting-edge laboratory and computational facilities. NGRI is dedicated to address the challenges of the near future and leverage science to impact societal priorities in collaboration with sister agencies, the public sector, and private industry.

**ABOUT THE COURSE**

This course is designed for the people working in academia and industry who wish to develop skills for geophysical methods used for mineral prospecting. During the training, several geophysical methods will be discussed in detail by combining lectures and practical classes. Participants will get the exposure for handling the instruments within NGRI campus. Instruction will be given keeping in mind the real field conditions. Overall, this training will enhance your ability to use geophysical methods for mineral exploration and get you at par with the skills demanded by industry.

<b>Eligibility</b>	A Master Degree in Geology/Geophysics and any equivalent/allied fields
<b>Venue</b>	CSIR - National Geophysical Research Institute, Uppal Road, Hyderabad - 500007
<b>Duration</b>	October 06 - 11, 2025
<b>Nationality</b>	Indian Nationals
<b>Course Fee*</b>	<ul style="list-style-type: none"> <li>Rs. 1500/- + 18% GST = 1770/- (for master, diploma/degree students)</li> <li>Rs. 3000/- + 18% GST = 3540/- (for PhD students)</li> <li>Rs. 6,000/- + 18% GST = 7080/- (for Post-Doctoral, Faculty and Industry sponsored)</li> </ul>
<b>Accommodation Charges</b>	CSIR-NGRI guest house and Skills Development quarters on twin sharing basis at the rate of Rs. 600/- per head per day for the first 6 days and 7th day onward Rs. 1200/- per day per head. and staff quarters/research scholars' hostel (Rs. 50/- per head per day) on twin sharing basis.
<b>Food</b>	Breakfast and Dinner will be available at nominal rates in NGRI Campus payable by the participants.


\*Course fee includes training fee, course material, working lunch, Tea and Snacks. It should be paid through online by the shortlisted participants





## Green Skill Programs (2025-2026)

(Under CSIR- Integrated Skill Initiative Phase III)






**Organized by**


**CSIR-(NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE (NEERI))**  
 (DSIR, Ministry of Science and Technology, Govt. of India)  
 Nehru Marg, Nagpur-440020 (Maharashtra), INDIA  
 Website: [www.neeri.res.in](http://www.neeri.res.in)  
 Ph.: 0712-2249885 Ext. 645 / 344  
 Email: [neeride@gmail.com](mailto:neeride@gmail.com)

QR Code for Program Details & Registration



QR Code for Payment of Registration Fees






CSIR-NEERI, Nehru Marg, Nagpur-440020

## Green Skill Training Program on

### "Soil Quality Assessment and Land Management"

September 16-17, 2025



**OBJECTIVES**

In order to preserve the biodiversity and the productivity of the land, control measures are to be taken in achieving sustainable land use and management systems, to balance productivity and environmental protection. CSIR-NEERI has vast experience in the field of soil quality assessment and successfully implemented soil remediation technologies for various private, public and state / central government agencies in different parts of the country. The major objective of the training program is to impart training on soil quality assessment and management of degraded land practices to make participants well acquainted with the interpretation of data related to soil quality and land management practices to be adopted for the restoration of biodiversity.

**COURSE CONTENTS**

- > Categories of Indian Soils.
- > Collection, Preservation and Preparation of Soil Samples for Laboratory Analysis.
- > Soil Quality Parameters: Physical, Chemical and Biological.
- > QA/QC Procedure in Analysis, Accuracy, Precision and Concepts of Uncertainty Measurement.
- > Regulations for industrial land management
- > Land Management - I (Case Study on Ecological Restoration of Mine Spoil Dumps)

**VENUE:** CSIR-NEERI, Nagpur


**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- > Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://form.gle/pqKd9jPAwvJa3V5A>
- > Registration fees: Rs. 2000/-
- > Closing Date: August 31, 2025
- > Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- > Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkata Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge Skill Development Centre (SDC)	Dr. Sanjeev Kumar Singh Senior Principal Scientist & In-Charge, Sophisticated Environmental Analytical Facility (SEAF)




CSIR-NEERI, Nehru Marg, Nagpur-440020

## Green Skill Training Program on

### "Water Quality Monitoring, Water Safety and Security Planning"

October 14-15, 2025



**OBJECTIVES**

A Water Safety Plan (WSP) is an improved risk management tool designed to ensure the delivery of safe drinking water. It identifies hazards, means to control them, means and actions to identify loss of control and its restoration. It comprises system assessment and design, operational monitoring and management plans (including documentation and communication). The program aims at providing awareness related to prevention of drinking water contamination from catchment to consumer by identifying risk and hazards associated with drinking water supply with suitable control measures. This training module aims at providing the participants with following objectives:

- Explain that a WSP is a source to point-of-use risk management approach that exists within a wider framework for safe drinking-water.
- Explain why the traditional end-product monitoring approaches are insufficient for ensuring drinking water safety.
- How to identify risks and hazards associated with drinking water supply
- How to suggest suitable control measures to minimise the risks and hazards in drinking water supply

**COURSE CONTENTS**

- > Water quality: Issues and options for safe drinking water supply
- > Drinking water quality monitoring
- > Water supply system and associated risks and hazards
- > Identification of hazards and hazardous events and assess the risks in water supply system.
- > Determination and validation the control measures, reassessment and prioritization of the risk.

**VENUE:** CSIR-NEERI, Nagpur


**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- > Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://form.gle/2WRBWBqFCYcyv8&CA>
- > Registration fees: Rs. 2000/-
- > Closing Date: September 14, 2025
- > Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- > Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkata Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. G.K.Khadse Chief Scientist, Water Resources (WR)




CSIR-NEERI, Nehru Marg, Nagpur-440020

## Green Skilling Program on

### "Know Your Environment (KYE)"

November 06-07, 2025



**OBJECTIVES**

"Know Your Environment" is a unique green skill program for all who need a quick and clear way to understand the environment. Environment is one of the essential basic requirements for living beings that includes soil, water, land, biodiversity, etc. A clean environment is essential for the healthy survival of humans and other biological species.

The program will cover basic understanding of the various aspects of your surroundings, including the natural world, the built environment, and social contexts. It encompasses knowledge about the physical, chemical, and biological factors that influence living organisms and ecosystems. This understanding is crucial for making informed decisions, adopting sustainable practices, and contributing to a healthier planet. A healthy environment contributes to physical and mental wellbeing, and understanding your environment can help you create a more supportive and comfortable living space.

**COURSE CONTENTS**

- > Fundamentals of Environment
- > Components of Environment
- > Environmental Quality Monitoring
- > Awareness of natural resources and their importance for human survival & well-being
- > Knowledge about challenges like pollution, deforestation, climate change, and the impact of human activities on the natural world.
- > Policies and Laws towards environmental conservation & protection

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- > Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://form.gle/pr-fpGmbB8vuEBQNK6>
- > Registration fees: Free
- > Closing Date: October 06, 2025
- > Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- > Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkata Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. Harshvardhan Singh Senior Principal Scientist, SDC

**CSIR-NEERI, Nehru Marg, Nagpur-440020**  
**Skill Training Program on**  
**"Analytical Instrumentation Techniques for Measurement of Environmental Contaminants"**  
 November 18-19, 2025

**OBJECTIVES**

Measurement of environmental pollutants is a very important aspect of understanding the environmental contamination baseline and predicts its impacts for effective environmental decision making and implementing mitigation plans. Both organic and inorganic environmental pollutants are integral part of monitoring programs because of their significant long term and toxic effects on human health and the environment. It is important to identify and quantify these environmental pollutants with a high sensitivity and accuracy as they could be present in the environment at ppb and sub ppb levels. Advance in analytical techniques, has made it possible to measure even the trace level contaminants present in environmental matrices like soil/sediment, water and air, after suitable sample processing.

The objective of this training program is to impart basics and advanced knowledge on analytical instrumentation techniques for analysis of environmental contaminants including trace level analysis like pesticides, using sophisticated instrumentation. An over view of occurrence and fate of pollutants in environment, besides sample collection and processing techniques for environmental analysis.

**COURSE CONTENTS**

- Basic concepts of analytical techniques used for environmental contaminants.
- Sample Collection and Preparation Techniques for determination of Organic and Inorganic Contaminants in environmental samples
- Analytical application of Gas Chromatography, Gas Chromatography-Mass Spectrometry etc. for monitoring of organic contaminants.
- Analytical application on instrumentation techniques for analysis of organic and inorganic contaminants like TOC and CHNS Analyzer, Atomic Absorption Spectrometry, Inductively Couple Plasma (ICP-OES/ICP-MS), FTIR and Ion Chromatograph.
- QA/QC of equipment's and analytical activities as per ISO/IEC 17023:2017.

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://forms.gle/cskwZxJIKCudDuCv5>
- Registration fee: Rs. 2000/-
- Closing Date: October 18, 2025
- Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkatesh Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge Skill Development Centre (SDC)	Dr. Sanjeev Kumar Singh Senior Principal Scientist & In-Charge, Sophisticated Environmental Analytical Facility (SEAF) Dr. Gajanan S. Khande, Chief Scientist, SEAF Dr. Kavita Gaudhi, Principal Scientist, SEAF

**CSIR-NEERI, Nehru Marg, Nagpur-440020**  
**Green Skill Training Program on**  
**"Water Quality: Testing and Data Management"**  
 January 07-09, 2026

**OBJECTIVES**

Water quality testing involves analysing water samples to determine the presence and concentration of various physical, chemical, and biological parameters. These tests help assess the suitability of water for specific uses, such as drinking, irrigation, or industrial processes, and ensure it meets safety standards.

This training module aims at providing the participants with following objectives:

- To produce valid data & information on the quality of water, for appropriate treatment and management
- To ensure meaningful water quality assessment
- To have confidence in results, based on standardized procedures for all components of water quality monitoring
- Validation of water quality data

**COURSE CONTENTS**

- Introduction to drinking water quality
- Important water quality parameters and their testing methods
- Hands on training for testing of water quality parameters
- Instrumentation techniques for water quality testing
- Water quality data management
- Ensuring Quality assurance and quality control (QA/QC) in water quality data

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://forms.gle/vLkA1KRLcDKcVEuQy8>
- Registration fee: Rs. 3000/-
- Closing Date: December 07, 2025
- Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkatesh Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. G.K.Khande Chief Scientist, Water Resources (WR)

**CSIR-NEERI, Nehru Marg, Nagpur-440020**  
**Green Skill Training Program on**  
**"Monitoring and Analysis of Volatile Organic Compounds in Air Pollutants and Control Measures"**  
 January 29-31, 2026

**OBJECTIVES**

Rapid urbanization and industrialization contribute to the growing emissions of Volatile Organic Compounds (VOCs) in air. Emission of VOCs can be from a wide range of outdoor and indoor sources. VOCs as a group of carbon-based chemicals that easily evaporate at room temperature. VOCs have been identified as highly toxic in nature and may have both short/long term effect on human health as well as on environment. Identifying these VOCs becomes an important task in the process of monitoring and their control. This training programme aims to provide an insight on VOCs, sampling, analysis and control measures.

**COURSE CONTENTS**

- Introduction to VOCs as Air Pollutant
- Monitoring of VOCs (on-site) training for selected VOCs
- Analysis and Detection of VOCs (using Gas Chromatography)
- An overview on VOCs sampling and monitoring
- Technology based control measures for VOCs

**VENUE:** CSIR-NEERI, Hyderabad Zonal Centre

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://forms.gle/3eVvqjAUV546C0u1>
- Registration fee: Rs. 2000/-
- Closing Date: December 29, 2025
- Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkatesh Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. Bala Shankar Chief Scientist & Chair, Hyderabad Zonal Centre (HZC) Dr. TVBPS Ramasubrahmanya Senior Principal Scientist, HZC Dr. Indradev Kanti Senior Technical Officer (S), HZC

**CSIR-NEERI, Nehru Marg, Nagpur-440020**  
**Green Skill Training Program on**  
**"Environmental Impact Assessment (EIA)"**  
 February 18-22, 2026

**OBJECTIVES**

Impact Assessment is broadly intended to provide perspective, insight and knowledge required for effective and efficient management of environment. The specific aim of the training program is to address the capacities of the participants in EIA. The main objectives are:

- Exposure to all aspects of EIA
- EIA process-flowchart, scoping, data reduction to impact assessment, role of public consultation etc.
- Specific reference to the environmental and social impacts of the industrial and developmental projects
- Reviewing EIA reports and identifying its strengths and weaknesses
- How to enhance efficacy regarding giving active role in post-EIA monitoring
- New possibilities for EIA/EMP using appropriate SAT Tools
- How to delineate pragmatic Environmental Management Plans

**COURSE CONTENTS**

- Environmental Impact Assessment (EIA): Introduction & NARET Regime
- Evaluate environmental quality of EIA studies
- Analyze Air Quality Monitoring, Analysis and Reporting
- Air Pollution Modeling, Meteorology, Dispersion of Gaseous and Fugitive Emissions
- Water Quality - Monitoring, Analysis and Reporting & Waste Management
- Socio-Economic Aspects
- Noise and Vibration - Monitoring, Modeling and Management Plans
- Soil Quality Parameters, Soil Erosion and Soil Conservation Plans
- Solid & Hazardous Wastes - Characterization, Classification, Transport - Guidelines and Regulations
- Bio-diversity studies for Terrestrial and Aquatic Ecosystems - Forest and Wildlife Clearance
- Advance tools of EIA
- Environmental Management Plans for different Sectors

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://forms.gle/3eVvqjAUV546C0u1>
- Registration fee: Rs. 2000/-
- Closing Date: January 10, 2026
- Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkatesh Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. Harshvardhan Singh Senior Principal Scientist, SDC

**CSIR-NEERI, Nehru Marg, Nagpur-440020**  
**Green Skill Training Program on**  
**"Environmental Management (EM)"**  
 February 18-19, 2026

**OBJECTIVES**

Green Skill program on environmental management equips individuals with the knowledge and skills to address environmental challenges and promote sustainability. The objectives of environmental management are multifaceted, aiming to protect and enhance the environment while ensuring human well-being. The goal of environmental management is to balance human activities with the environment through regulatory compliance, conservation measures, technological innovation & public awareness campaigns to create a more sustainable future for present & future generations. Ultimately, environmental management strives for a balance between human needs and the health of the planet.

**COURSE CONTENTS**

- Basics of Environment
- Monitoring and Assessment of Environment
- Issues of pollution and developing methods for prevention, control, and remediation
- Fundamentals of Environmental Impact Assessment
- Environmental Management Plan (EMP)
- Plans of EMP
- EMPs for different development sectors
- Case Studies
- Environmental Laws and Regulations

**VENUE:** CSIR-NEERI, Nagpur

**MODE OF TRAINING:** Classroom lectures/ demonstration/ interaction. The lecture material shall be provided to the participants after the completion of the program.

**REGISTRATION**

- Interested candidates (Educational qualification: Graduate in Science / Engineering & above) can register through weblink: <https://forms.gle/3eVvqjAUV546C0u1>
- Registration fee: Free
- Closing Date: January 14, 2026
- Seats are limited (20 seats) and registration will be confirmed on first come first get basis by email. Registration weblink will be closed after receiving requisite registrations.
- Accommodation (twin sharing basis) at CSIR-NEERI Guest House can be arranged for registered participants only on payment basis, if available

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

DIRECTOR	GREEN SKILLS COORDINATOR	COURSE COORDINATOR
Dr. S. Venkatesh Mohan Director CSIR-NEERI	Dr. Harshvardhan Singh Senior Principal Scientist & In-Charge, Skill Development Centre (SDC)	Dr. Harshvardhan Singh Senior Principal Scientist, SDC



# CSIR-Indian Institute of Chemical Technology

(Council of Scientific and Industrial Research, New Delhi)  
Uppal Road, Tarnaka, Hyderabad – 500007, Telangana



CSIR-Integrated Skill Initiative

## Skill Development Training Calendar (FY 2025-2026)

Sl No	Program Title	Dates		Batch Size	Remarks
<b>Additional Programs</b>					
1.	Advanced Biocatalysts and Biotransformation– from Theory to Practice	05-05-2025	16-05-2025	20	Completed
2.	Phytochemical Techniques	04-08-2025	08-08-2025	47	Completed
3.	Basics of Machine Learning using Python	25-08-2025	01-09-2025	50	In Pipe line
4.	Training on Basic Chemical Operations and Instrumentation using Pro Simulation Software	September 2025		25	
<b>Sanctioned Programs</b>					
1.	Finishing School to Post Graduates in Chemistry	Jan –Mar 2026		50	
2.	Conventional Chromatographic and Spectral Analysis of Oil and Fats	10-11-2025	14-11-2025	20	
3.	Analytical Techniques for Food and Nutritional Chemistry	05-02-2026	10-02-2026	30	
4.	Animal Cell Culture Techniques	03-11-2025	12-12-2025	20	
5.	Novel Approaches for Peptide Synthesis	Feb 2026		20	
6.	Synthetic Organic Chemistry Training to PG Students	Sep 2025	Mar 2026	20	
7.	Certificate Course in Basic Bioinformatics and Cheminformatics	08-12-2025	19-12-2025	30	
8.	Organic Coatings and Paints	14-10-2025	16-10-2025	20	
9.	Converting idea into IP	10-11-2025	14-11-2025	20	
10.	Advanced Analytical Techniques-Hands on Training	17-11-2025	05-12-2025	20	
11.	Powder XRD – Hands on Training	17-11-2025	05-12-2025	20	
12.	Pheromone Application Technologies	Sep 2025	Mar 2026	20	
13.	CRISPR/Cas9 Mediated Gene Knockout in Cell lines	15-12-2025	29-12-2025	20	
<b>Total</b>				<b>452</b>	Proposal 310 + 142



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



**SKILL DEVELOPMENT TRAINING PROGRAMS (2025-26)**  
Under CSIR - Integrated Skill Initiative

The SKILL INDIA Program at CSIR-IICT aims to create opportunities, space & scope for development of talents in the Indian Youth in the sectors which provide Employment and Entrepreneurial skills. The idea is to raise confidence, improve productivity, provide direction with a balanced growth.

**List of Trainings**

- Advanced Biocatalysis & Biotransformations from Theory to Practice (2 Weeks)
- Phytochemical Techniques (5 days)
- Finishing School to Post Graduates in Chemistry (12 Weeks)
- Basic Bioinformatics and Cheminformatics Course (4 Weeks)
- Animal Cell Culture Techniques (6 Weeks)
- Analytical Techniques in Food & Nutritional Chemistry (2 Weeks)
- Conventional Chromatographic & Spectral Analysis of Oils & Fats (3 Days)
- Synthetic Organic Chemistry to PG Students (4 Weeks)
- Novel Approaches for Peptide Synthesis (1 Week)
- Pheromone Application Technologies (1 Week)
- CRISPR/Cas9 Mediated Gene Knockout in Cell lines (2 Weeks)
- Organic Coatings and Paints (1 Week)
- Advanced Analytical Techniques-Hands on Training (2 Weeks)
- Converting idea into IP (1 Week)

**Training Features**

- Personal attention during Hands-on sessions
- Rigorous Training on advanced topics by means of Theory & Experimentation
- Exposure to Research areas of the Institute
- Evaluation of knowledge gained by assignments
- Course completion CERTIFICATE to all the trainees

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

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8/25/25, 1:24 PM Press Release: Press Information Bureau

Government of India  
Press Information Bureau

International Year of Cooperatives  
2025  
Cooperatives Build a Better World

प्री. वि. ब्यूरो

Ministry of Skill Development and Entrepreneurship

Promotion of Emerging Sector Skills and Future Readiness

Press On: 21 AUG 2025 5:39PM by PIB Delhi

Under the Government of India's Skill India Mission (SIM), the Ministry of Skill Development and Entrepreneurship (MSDE) delivers skill, re-skill and up-skill training through an extensive network of skill development centres under various schemes, viz. Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Jan Shiksha Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftman Training Scheme (CTS) through Industrial Training Institutes (ITIs), to all the sections of the society across the country. The SIM aims at emulating youth of India to get future ready and equipped with industry relevant skills.

To promote new age skills in areas like AI/ML, Robotics and Green technology, MSDE has undertaken the following initiatives:

- (i) Under PMKVY, more than 200 new agriculture skills job-roles have been specially aligned with Industry 4.0 requirements in areas like AI/ML, Robotics, EVs, Mechatronics, Drone Tech, etc. for upcoming market demand and industry requirements.
- (ii) Under NAPS, the apprentices are engaged by the establishment in trades (both, designated and optional), which includes those pertaining to new-age/future skills.
- (iii) Directorate General of Training (DGT) under the aegis of MSDE has introduced 31 new age future skills courses in Industrial Training Institutes (ITIs) and National Skill Training Institutes (NSTIs) under CTS to provide training in emerging areas such as 5G Network, AI/ML, Cyber Security, Drone Technology, etc.
- (iv) DGT has signed MoU with IT Tech companies like IBM, CISCO, Future Skill Rights Network, Amazon Web Services (AWS) and Microsoft to ensure industry linkages for the institutes at the state and regional levels under CSR initiatives. These partnerships facilitate the provision of technical and professional skills training in modern technologies.
- (v) Indian Institute of Skills (IIS) established at Ahmedabad and Mumbai, in Public Private Partnership (PPP) Mode, provide training to create a pool of industry-ready workforce for Industry 4.0, equipped with cutting-edge technology and hands-on training.
- (vi) MSDE has launched Skill India Digital Hub (SIDH) platform, a comprehensive and accessible platform for skill enhancement, offering industry-relevant skill courses, job opportunities, and entrepreneurship support to youth of the country. SIDH offers an extensive array of AI/ML, Robotics and Green tech courses.

There is no separate budget allocation for the future-oriented skill training programs. Funds under PMKVY are released to implementing agencies for meeting the training cost as per prescribed norms.

Under JSS schemes, funds are released to Non-Governmental Organizations (NGOs) directly.

Under NAPS, stipend support up to Rs 1500/- per month is released to apprentices through DGT and not to establishments covered. Day to day administration as well as financial control in respect of ITIs lies with the respective State Government/ UT Administration. Details of the fund released for implementation of the schemes of MSDE are as under:

Scheme (s)	Amount (in Rs. Cr)
PMKVY (2015-19 up to 30.06.2025)	11,429.21

https://www.pib.gov.in/PressReleaseDetail.aspx?PRID=2158477&in\_sourcename=skill&in...

8/25/25, 1:24 PM Press Release: Press Information Bureau

NAPS (2016-19 up to 30.06.2025)	1,924.17
JSS Scheme (2018-19 up to 30.06.2025)	863.71

National Council for Vocational Education and Training (NCVET) has been set up as an overarching regulator establishing regulations and standards to ensure quality in the Technical and Vocational Education and Training (TVET) space. The Awarding Bodies recognised by NCVET are expected to develop the qualifications as per the industry demand and obtain industry validations. Also, 36 Sector Skill Councils (SSCs), led by industry leaders in the respective sectors, have been set up which are mandated to identify the skill development needs of respective sectors as well as to determine skill competency standards.

In addition to the steps mentioned in part (a) and (c) above, the following specific steps have been taken by MSDE to ensure that the skills imparted are aligned with the current and evolving needs of industry and thereby improve employability of the youth:

- (i) National Council for Vocational Education and Training (NCVET) has approved 8893 qualifications as per the industry requirements, out of which 2266 qualifications are valid and active, and 6427 qualifications are archived for being not relevant.
- (ii) Directorate General of Training (DGT) under the aegis of MSDE is implementing Flexi MoU Scheme and Dual System of Training (DST) which are meant to provide training to ITI students in industrial environment as per their requirements.
- (iii) DGT has signed MoU with IT Tech companies like IBM, CISCO, Future Skill Rights Network, Amazon Web Services (AWS) and Microsoft to ensure industry linkages for the institutes at the state and regional levels under CSR initiatives. These partnerships facilitate the provision of technical and professional skills training in modern technologies.
- (iv) Indian Institute of Skills (IIS) established at Ahmedabad and Mumbai, in Public Private Partnership (PPP) Mode, provide training to create a pool of industry-ready workforce for Industry 4.0, equipped with cutting-edge technology and hands-on training.
- (v) MSDE has launched Skill India Digital Hub (SIDH) a unified platform that integrates skilling, education, employment, and entrepreneurship ecosystems to provide a life-long array of services. The details of the trained candidates are available on SIDH portal for connecting with potential employers. Through SIDH, candidates can have access to jobs and apprenticeship opportunities.

This information was given by the Minister of State (Independent Charge), Ministry of Skill Development and Entrepreneurship (MSDE), Shri Jayant Chaudhary in a written reply in the Rajya Sabha today.

VVSH

(Release ID: 2158477) Visitor Counter: 2  
Read this release in Urdu, Hindi

### Pilot skilling initiative turns trainee into employee

**EXPRESS NEWS SERVICE**  
Hyderabad

Through C4IR Telangana, the government delivered a results-driven pilot that has trained and placed students in record time

D Sridhar Babu, IT and Industries minister

TELANGANA has set a new benchmark in workforce development with the launch of the Life Sciences Skilling Initiative, executed through the Centre for the Fourth Industrial Revolution (C4IR Telangana). The pilot programme achieved 100% placement in full-time roles or internships for all students who appeared for interviews.

According to a press statement on Tuesday, the programme reached over 2,000

For the pilot batch, 85% of the training fee was subsidised by C4IR Telangana with support from industry partners. The initiative enabled participation from financially constrained students, with 68% coming from families earning less than ₹25,000 per month, 83% being women, 49% first-generation graduates, and 43% from rural or semi-urban areas. Notably, 25% of the students supported their families through part-time work, while 51% had received educational support from government or NGO schemes.

Following the pilot's success, the government plans to expand the programme with Young India Skills University to cover over 2,000 more students and introduce advanced tracks in AI/ML for life sciences, digital health, pharmacovigilance, medical writing, and clinical data management. Telangana, already a major life sciences hub contributing 35% of India's pharmaceutical production and a third of global vaccine output, aims to build a USD 100 billion life sciences economy by 2030.

### GLOBAL COACH IT ACADEMY HYDERABAD RECEIVES 'AWARD OF EXCELLENCE' FROM TELANGANA GOVERNMENT

The academy has emerged as a leading training center in SAP and digital marketing training

The academy has emerged as a leading training centre in SAP and Digital Marketing Training. Global Coach IT Academy, a leading skill development and professional training institute with centres in Madhapur, Panjagutta, and Manikonda, has been honoured with the prestigious Excellence Award by the Government of Telangana for its exceptional contribution to skilling and employment generation.

The award was presented to Nadeemuddin Mohammed, Founder and CEO of Global Coach IT Academy, by



Telangana Minorities Finance Corporation Chairman Mohammed Obaidullah Kotwal, State Secretary B. Shafiqullah, and Vice Chairperson & MD A. Kanthi Wesley (IAS) during a felicitation ceremony in Hyderabad.

Expressing gratitude on behalf of the academy, Nadeemuddin thanked Chief Minister Revanth Reddy and the dignitaries present. "This award is not just a milestone for us but a testament to our commitment towards empowering youth through high-quality training and career opportunities. We dedicate this achievement to our students, faculty, and partners who made this possible," he said.

With this recognition, Global Coach IT Academy plans to further expand its training outreach, launch cutting-edge courses in emerging technologies, and strengthen its placement network. The institute remains committed to supporting Telangana's vision of becoming a national leader in skill development and IT workforce readiness.

Over the past few years, the academy has established itself as a premier training hub in SAP and Digital Marketing, equipping thousands of students with industry-relevant skills. Many of its alumni have successfully secured positions in reputed organisations, making the academy a vital contributor to the state's skilling ecosystem.

The Excellence Award marks yet another proud milestone, motivating the academy to continue transforming lives through education and employability.

For more information, contact:  
Global Coach IT Academy at Madhapur, Panjagutta, or Manikonda  
Call: 9849541007  
Email: info@globalcoach.in



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हमें फॉलो करें



(CSIR Integrated Skill Initiative)

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