

SKILL DEVELOPMENT TRAINING CALENDAR 2024 - 25



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



CSIR-NIIST

THIRUVANANTHAPURAM



Council of Scientific & Industrial Research (CSIR),
National Institute for Interdisciplinary Science and Technology (NIIST),
Ministry of Science and Technology, Govt of India.

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

| SDP Program | Duration | Start Date | Fees | Mode |
|--|----------|----------------|--|---------|
| Food Technology | 1 Month | April 2024 | 7,000/- | Offline |
| Introduction to Life cycle assessment studies on bioprocessing and chemical engineering – Phase I | 1 Day | May 2024 | 750/- | Online |
| Sustainable Functional Coatings from plant resources | 2 Days | May 2024 | 4,000/- | Offline |
| Practical training on Life cycle assessment studies on bioprocessing and Chemical Engineering – Phase II | 4 Days | May 2024 | 10,000/- 15,000/- (Industry) 8,000/- (Those who attended online Phase I) | Offline |
| Printed Electronics based Advanced Device fabrication | 2 Days | May 2024 | 1,500/- (Students) 3,000/- (Industry Sponsored) | Offline |
| Advances in Polymer Materials Science for Graduates | 3 Days | May 2024 | 1200/- +GST | Offline |
| Nano materials Synthesis and Wet-chemical coatings | 5 Days | June 2024 | 5,000/- (Students) 10,000/- (Industry Sponsored) | Offline |
| Processing of Rare Earth Ceramics, Functional Pigments, and Thermal Insulation Aerogels | 2 Days | June 2024 | 4,000/- | Offline |
| Sample Preparation and HPLC analysis | 8 Days | June 2024 | 7,000/- | Offline |
| Advanced Metal Casting and Characterization Techniques | 3 Days | June 2024 | 3,000/- | Offline |
| Proximate analysis and nutritional labelling | 8 Days | July 2024 | 8,000/- | Offline |
| Hands-on training on X-ray diffraction measurements for powders and thin films | 7 Days | July 2024 | 3,000/- | Offline |
| Hands-on Training on UV-Vis, IR, and Fluorescence Spectroscopic Techniques | 18 Days | July 2024 | 10,000/- | Offline |
| Advanced workshop on “Microalga culturing, scale-up, lipid extraction and FAME profiling” | 5 Days | August 2024 | 7,500/- (Students) 10,000/- (Industry Sponsored)) | Offline |
| Hands-on training on XPS analysis | 2 Days | August 2024 | 5,000/- | Offline |
| Magnetic characterization of materials using PPMS | 2 Days | August 2024 | 4,000/- | Offline |
| Surface Engineering and Corrosion | 3 Days | August 2024 | 3,000/- | Offline |
| Carbohydrate analysis | 30 Days | August 2024 | 10,000/- | Offline |
| Workshop On Effective Scientific communication | 10 Days | August 2024 | 5,000/- | Offline |
| Determination of Active Principals of Spices; Theoretical Approach and Practical Demonstration | 5 Days | September 2024 | 5,000/- | Offline |
| Application of AI in the field of bioprocess | 1 Day | September 2024 | 400/- | Online |
| Microscopic and Spectroscopic techniques for the Mineral Analysis | 2 Days | September 2024 | 4,000/- | Offline |
| Sample Preparation and GC analysis (fatty acids) | 8 Days | September 2024 | 5,000/- | Offline |

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|--|--|----------|----------------|---|---------|
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| Immunology Techniques | | 10 Days | September 2024 | 6,000/- | Offline |
| RS and GIS application EIA & Monitoring | | | September 2024 | | |
| Training on Chemical and Metallurgical process calculations | | 2 Days | September 2024 | 10,000/- | Offline |
| Industrial source Emission Monitoring | | 3 Days | October 2024 | 20,000 + GST | Offline |
| Hands on Training in PCR | | 5 Days | October 2024 | 10,000/- | Offline |
| Skill training Effective Recycling Techniques for E-Waste and Batteries | | 2 Days | October 2024 | 4,000/- | Offline |
| Odour measurement and control | | 1 Day | November 2024 | 2000 + GST | online |
| Comprehensive training On Herbal Drug Development | | 5 Days | November 2024 | 5,000/- (Students) 8,000/- (Faculty) 10,000/- (Industry) | Offline |
| Training on X -ray diffraction and Microscopy | | 10 Days | November 2024 | 7,500/- | Offline |
| Mechanical Testing and Thermal Characterization | | 3 Days | November 2024 | 3,000/- | Offline |
| Coastal Regulation Zone (CRZ) studies for EIA Projects | | 1 Day | November 2024 | 1500/- | Offline |
| Solid waste management: Research, challenges, opportunities, and policies | | 1 Day | November 2024 | 1000 /- , 2000/- (Industry) | Online |
| Natural disaster resistant infrastructure | | 1 Day | December 2024 | 1000/- | Online |
| Biogas Plant Monitoring | | 1 Day | December 2024 | 1000/- | Online |
| Environmental microbiology techniques & biosafety practices | | 2 Days | December 2024 | 1500/- | Offline |
| Design of Experiments in process optimization for Biologists | | 7 Days | December 2024 | 10,000/- (Students) 15,000/- (Industry) | Offline |
| Skill training on SAXS and WAXS for material characterization | | 2 Days | December 2024 | 3,000/- | Offline |
| Introduction to Industrial Adhesives | | 2 Days | January 2025 | 3,000/- | Offline |
| Intellectual Property Rights, Patent Drafting and Practice | | 1 Month | January 2025 | 10,000/- | Offline |
| Environmental Epidemiology – Basic techniques | | 1 Day | January 2025 | 2,500/- | Online |
| Natural wastewater treatment system | | 2 Days | January 2025 | 1000/- | Online |
| Dye-sensitized solar cells: Fundamentals, Device Fabrication, Characterizations and Applications | | 5 Days | January 2025 | 5,000/- (Students) 10,000/- (Faculty) 20,000/- (Industry) | Offline |
| Advanced Manufacturing Technology | | 3 Days | February 2025 | 3,000/- | Offline |
| Techniques of phytochemical profiling | | 1 Month | | 10,000/- | Offline |
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| Soft skill in Chemistry | 5 Days | | 500/- | Offline |
| Concocal Fluorescence Spectroscopic techniques | 10 Days | | 5,000/- | Offline |
| Organic synthesis | 3 Months | | 20,000/- | Offline |
| Analytical techniques in Chemistry | 1 Month | | 10,000/- | Offline |
| Fundamentals of cell culture, biological assays and construction of genetically engineered microorganism | 1 Month | | 15,000/- | Offline |
| Design, characterization and applications of soft materials | 1 Month | | 10,000/- | Offline |
| Chromatography techniques | 5 Days | | 1000/- | Offline |
| Baking Technology | 3 Days | | 2000/- | Offline |
| Natural product chemistry techniques | 3 Days | | 1,000/- | Offline |
| NMR techniques in structure elucidation | 5 Days | | 10,000/- | Offline |
| Synthetic Carbohydrate Chemistry | 1 Month | | 10,000/- | Offline |

SKILL DEVELOPMENT TRAINING CALENDAR 2024 - 25

Why Choose NIIST?

Expertise

Innovation

Infrastructure

Collaboration

Hassle-Free

Sustainability

Swift Response

Industry-Friendly

Quality Output

Timely Completion

SKILL DEVELOPMENT TRAINING CALENDAR 2024-25

OBJECTIVES

- To create a certified talent pool.
- To focus on global market dynamics and prepare to meet the changing S&T requirements through novel skill/training initiatives.
- To promote entrepreneurship/technopreneurship through advanced skilling/training.
- To utilize CSIR Knowledgebase and infrastructure for contributing national skill mission.
- To implement special up-skilling/training programs for societal benefits.
- To implement identified skill/training programmes of national skill mission.

SALIENT FEATURES

- Practical oriented course
- Small groups for individual attention
- Lectures assisted with modern techniques
- Interactive sessions and group discussions

SPONSORSHIP

Industries, Non-profit making social organizations, State and Central Government organizations, Academic institutions are welcome to sponsor candidates of their interest.

RESEARCH DIVISIONS

1. Agro Processing and Technology
2. Chemical Sciences and Technology
3. Centre for Sustainable Energy Technologies
4. Environmental Technology
5. Materials Science and Technology
6. Microbial Processes and Technology

RESEARCH GUIDES

80+ Scientists
20 Technical Staffs

INFRASTRUCTURE / FACILITIES

SEM, TEM, XRD, XPS, IR, GPC, TSC, TGA
NMR, Raman Spectroscopy, Mass Spectroscopy etc.

ACCOMMODATION FACILITY

Only a limited number of female applicants will be accommodated subjected to availability



CONTACT US

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