Training for whom

The programme gives knowledge, competency and hands on experience to fresh degree/diploma holders for the operation of sophisticated equipments. After the successful completion of the course, the candidate may be able to apply for various scientific and technical positions in different organizations and colleges spread across the country.

Methods of Teaching

The theory classes will be taught in English. Smart classroom tools will be used for conducting theory classes and course materials will be given to candidates. Hands on experience in operation and maintenance of sophisticated instruments will be done at the state-of-the-art laboratories.

Faculty

The scientists will teach the theory and take practical classes for the enrolled students.

Selection Procedure

The selection will be purely based on merit and reservation of seats as per GOI rules. The list of shortlisted candidates will be published in the website. The selection of sponsored candidates will be done separately.

Payment Details

The list of selected candidates for different courses will be published in the CSIR NIIST website and they will be intimated by e-mail and the payment to the proposed course should be made by drawing a DD in favour of Director, CSIR-NIIST, payable at Thiruvananthapuram.

The Director,
CSIR-NIIST (Regional Research Laboratory)
Account No: 67047723825
IFSC Code: SBIN0070030
Bank : State Bank of India, Pappanamcode Industrial Estate

Sponsorship

Industries, non-profit making social organizations, state and central Government organizations, academic institutions are welcome to sponsor candidates of their interest.

CONTACT US

Co-ordinator (Skill India Initiative)
CSIR-NIIST Thiruvananthapuram,
Kerala, India

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

Vision

Envision new challenges and opportunities in areas of core strength of the institution and thereby emerging as:

- Institution of international reputation through symbiotic alliance with industries and academia for high impact science, techno commercially important IP, technologies and products with direct impact on society.
- Pioneers in delivering innovative, cost competitive and environmentally acceptable processing technologies based on the expertise in functional materials, agro-products, bioactive molecules and mineral processing.
- Center of Excellence fo advanced materials in energy, security, diagnostics and strategic applications.
- Consultant and service provider to MSMEs and industries thus becoming a solution provider to societal and environmental issues such as (air/water) pollution, waste

Mission

To remain as a dynamic, vibrant and responsive public organization serving public, private, social and strategic goods through Interdisciplinary research areas of Chemical Science & Technology, Agro-processing & Technology, Microbial Processes and Technology, Environmental Technology and Phytopharmaceuticals & drug intermediates

Course Objectives

The course targets graduates and diploma holders in various disciplines of Science and Engineering. Basic knowledge generation, hands on experience in operation and maintenance of sophisticated equipment's are the highlights of the course. The aim is to develop qualified manpower to cater to the needs of scientific organizations and industries.

Technical Expertise

- Agro-processing and Technology
- Microbial Processes and Technology
- Chemical Sciences and Technology
- Materials Science and Technology

Salient Features of the Course

- Theory : Practical = 25:75
- Small groups for individual attention
- Lectures assisted with modern teaching tools
- Troubleshooting related to instruments
- Facilitates in better interpretation of the results and communication of the same to the end users
- Interactive sessions, group discussions

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.

CSIR Integrated Skill Initiative

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26

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

सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

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सीएसआईआर का अंतर्विषयी आयाम
Interdisciplinary face of CSIR
Regional Roots to National Horizons
1975 - 2025

https://www.niist.res.in/csir-skill-initiative

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26

SKILL DEVELOPMENT TRAINING CALENDAR 2025-26

Spectroscopic Techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy) for Researchers

Duration : 2 days
Fees : As part of SSR of CRG Project
Start Date : May 2025
Mode : Offline

Research-linked Innovative Learning Techniques for High School and Higher Secondary School Students from Rural Villages

Duration : 3 Months
Fees : As part of CSR activities of MC Dean Systems Private India Limited (Applied for Funds)
Start Date : May 2025 – March 2026
Mode : Offline * Four batches of 25 No's each

Career Guidance and Soft-Skill Training Program for High School & Higher Secondary School Students from Rural Villages

Duration : 1 Day
Fees : As part of CSR activities of MC Dean Systems Private India Limited (Applied for Funds)
Start Date : May 2025 – March 2026
Mode : Offline

Diffraction & Microscopy Techniques for Material Characterization

Duration : 10 Days
Fees : Rs. 7500
Start Date : June 2025
Mode : Offline

Advanced Metal Casting and Manufacturing Technology

Duration : 3 days
Fees : Rs. 3000
Start Date : June 2025
Mode : Offline

Course on Circular Economy and Sustainable Technologies

Duration : 2 days
Fees : Rs. 5000
Start Date : June 2025 (1st Session)
November 2025 (IInd Session)
Mode : Offline

Structure Elucidation of Organic Molecules by NMR

Duration : 5 days
Fees : Rs. 10,000
Start Date : June 2025
Mode : Offline

Introduction to Industrial Adhesives

Duration : 2 days
Fees : Rs. 3000
Start Date : July 2025
Mode : Offline

Hands-On Training in Bacterial Outer Membrane Vesicles (OMVs) isolation & Basic Molecular Biology Techniques

Duration : 5 days
Fees : Rs. 2500
Start Date : July 2025
Mode : Offline

Phytochemical Analysis and Characterization Using Chromatographic Techniques

Duration : 4 days
Fees : Students: Rs. 3,500
Faculty - Rs. 5,000, Industry- Rs. 6000
Start Date : July 2025
Mode : Offline

Algal Lipidomics: Scaleup and FAME Profile by GC-MS

Duration : 5 days
Fees : Rs. 5000 (Academia)
Rs. 7500 (Industry)
Start Date : 27 - 31 August 2025
Mode : Offline

Intellectual Property Rights, Patents and Practice

Duration : 3 Months
Fees : Rs. 3000 /-
(Only for students of CSIR-NIIST)
Start Date : August 2025
Mode : Offline

Remote Sensing and GIS Applications in Environmental Impact Assessment and Management

Duration : 5 days
Fees : Rs. 1500 (Students)
Rs. 5000 (Sponsored)
Start Date : August - September 2025
Mode : Online

Printed Electronics Based Advanced Device Fabrication

Duration : 2 days
Fees : Rs. 1500 (students)
Rs. 3000 (Industry)
Start Date : August 2025
Mode : Offline

Workshop on Atomic Absorption Spectrophotometer (AAS)

Duration : 3 days
Fees : Rs. 1000
Start Date : August or September 2025
Mode : Offline

Value Addition of Fruits and Vegetables

Duration : 3 Days
Fees : Students: Rs. 5,000
Faculty - Rs. 7,500, Industry- Rs.10,000
Start Date : August 2025
Mode : Offline

Techniques of Phycochemical Profilling & Characterization

Duration : 1 Month
Fees : Rs. 5000
Start Date : August - September 2025
Mode : Offline

Characterization of Plant Based Proteins for Sustainable Food Formulation

Duration : 5 Days
Fees : Rs. 3000
Start Date : August / September 2025
Mode : Offline

Surface Engineering and Corrosion

Duration : 3 days
Fees : Rs. 3000
Start Date : September 2025
Mode : Offline

Magnetic Characterisation Using PPMS

Duration : 2 days
Fees : Rs. 1500 (students)
Rs. 3000 (Industry)
Start Date : September 2025
Mode : Offline

Advanced Skill Training on Spectroscopic techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy)

Duration : 10 Days
Fees : Rs. 3000
Start Date : Sep 2025 & Dec 2025
Mode : Offline

Nutritonal Analysis (Includes Proximate, HPLC , GC)

Duration : 1 Month
Fees : Rs. 10,000/-
Start Date : September 2025
Mode : Offline

Training Program on Baking Technology

Duration : 3 Days
Fees : Rs. 3000
Start Date : September 2025
Mode : Offline

Value Addition of Spices

Duration : 3 Days
Fees : Students: Rs. 5,000
Faculty - Rs. 7,500, Industry- Rs.10,000
Start Date : October 2025
Mode : Offline

Synthetic Organic Chemistry – Hands-on Training on Fundamentals and Specialized Reactions

Duration : 2 Months
Fees : Rs. 15,000/-
Start Date : October - November 2025
Mode : Offline

Catalysing Careers: Opportunities in Chemical, Pharmaceutical, and Life Sciences

Duration : 1 Day
Fees : Rs.1000
Start Date : October 2025
Mode : Online

Mechanical Testing and Thermal Characterisation

Duration : 3 days
Fees : Rs. 3000
Start Date : November 2025
Mode : Offline

Food Packaging

Duration : 10 Days
Fees : 10,000/- +GST
Start Date : November 2025
Mode : Offline

Training Program On Comprehensive Herbal Drug Development

Duration : 5 Days
Fees : Students: Rs. 5,000
Faculty - Rs. 7,500, Industry- Rs. 10,000
Start Date : November 2025
Mode : Offline

Hands on Training in Immunology Techniques and qPCR

Duration : 5 Days
Fees : Rs. 3000/-
Start Date : November 2025
Mode : Offline

Application of process engineering in Sustainable Energy & Environmental Management

Duration : 1 Day
Fees : Student/Research Scholar- Rs.1,000/-;
Faculty- Rs. 2,000/-; Industry personalRs. 3,000/-
Start Date : November 2025
Mode : Offline

Environmental Microbiology Techniques and Biosafety Practices

Duration : 2 days
Fees : Rs. 1500
Start Date : December 2025
Mode : Offline

Basic Training on Spectroscopic techniques (FT-IR, UV-Vis & Fluorescence Spectroscopy)

Duration : 10 days
Fees : Rs. 3000
Start Date : Jan - Feb 2026
Mode : Offline

Training Programme on Analysis of Fats and Oils

Duration : 3 Days
Fees : Students: Rs. 5,000
Faculty - Rs. 7,500
Industry- 10,000
Start Date : January 2026
Mode : Offline

Construction of Genetically Engineered Microorganism

Duration : 5 Days
Fees : Rs. 10,000 & Rs. 15,000 for Sponsored Candidates
Start Date : January 2026
Mode : Offline

Sol Gel Synthesis and Coatings

Duration : 5 Days
Fees : Rs. 5,000
Start Date : January 2026
Mode : Offline