

CSIR SKILL BULLETIN

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- Ms Sindhu Gupta

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- Skill Trainings by CSIR
- Upcoming Events
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- General Events
- Glimpses
- **Useful Links**

SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

CSIR-IMTECH Center for Animal Resources & Experimentation (iCARE), Chandigarh organized a Certificate Course on "Basic Bio-Methodology of Laboratory Animals" from 5th - 6th, December 2024. The workshop was inaugurated by Dr Sanjeev Khosla, Director, CSIR-IMTECH followed by an overview Introduction of the Workshop by Dr Neeraj Khatri, Head, iCARE. 39 students participated in the Workshop.







CSIR-CIMAP, Lucknow organized a Seven-day Bioinformatics training program titled "Plant's Transcriptome/RNA-Sequencing Data Analysis & Functional Annotation" from 4th-10th, December 2024. Total 35 participants (26 offline & 9 online) from different cities and states participated in the training. Invited expert talks were given by Dr Sanjay Kumar, Sumit Ghosh, Pradipto Mukhopadhyay, Vikrant Gupta & Ashutosh K. Shukla.







CSIR-IHBT, Palampur organized a hands-on training in the area of "Molecular Biology Techniques" from 27th-29th November 2024. 16 students (BSc Hons. Biotechnology) from Pandit Sant Ram Govt Degree College, Baijnath, Distt. Kangra, Himachal Pradesh participated in the training. Besides, they were exposed to various research facilities of the Institute during which they interacted with scientists, students, and staff members. Dr Gireesh Nadda coordinated the program (Coordinator-CSIR Integrated Skill Initiative) along with Dr Arun Kumar, Dr Rajesh Singh and Dr Vivek Dogra.







CSIR-NEERI, Nagpur organized a Training Program on "Wastewater Management for Domestic, Commercial and Industrial Entities" from 11th-12th, December 2024. Participants from rural and urban areas of Kerala, Maharashtra, Gujarat, Tamil Nadu & West Bengal states belonging to different organizations had participated in the skill training. Dr R.J.Krupadam, Chief Scientist & In-charge, CCGM welcomed the participants. Dr Harshvardhan Singh, Senior Principal Scientist & In-charge, SDC briefed about Green Skill Development activities of the Institute. Er M. Karthik Senior Principal Scientist, CCGM & Course Coordinator briefed about course contents. During Valedictory Session, Dr Harshvardhan Singh and Er M. Karthik interacted with participants and distributed the certificates.







(Please click on the link to view the details)

- <u>CSIR-IICT</u>, <u>Hyderabad organized the Inaugural event of Finishing School on "Advanced Synthetic Organic Chemistry Training" to the third batch on 4th December 2024 for a period of 4 months. The training program was a joint initiative between CSIR-Indian Institute of Chemical Technology (CSIR-IICT) and M/s AURIGENE Pharmaceutical Services Ltd. 43 PG students in Chemistry attended this job oriented advanced skill development Training.
 </u>
- <u>CSIR-CRRI, New Delhi organized a training Program on "Design, Construction, Quality Control, and Maintenance of Rigid Pavement" from 9th-13th December 2024. Closing ceremony presided by Dr E. Madhu, Chief Scientist, Course Coordinator Dr Rakesh Kumar & Dr Ravindra Kumar, HoD, ILT.</u>



UPCOMING EVENTS

आगामी आयोजन











Training on

"NMR - based Metabolomics"

27th - 31st January 2025

The CSIR-Center for Cellular and Molecular Biology is conducting a hands-on training on "NMR - based Metabolomics" argeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life ciences, Medical Sciences, Pharmaceutical Science, Chemistry & allied areas. This training caters to individuals with arying levels of expertise, offering education and training in a range of NMR Spectroscopy and demonstrating its pplications in Metabolomics. The program includes informative lectures, practical hands-on sessions, and in-depth astructions on data collection and analysis using High Field NMR Spectrometer.

Minimum Qualification

Masters in any branch of life Science/Chemical Sciences/Allied areas

27th −31th January 2025 Mode of the Course

In-house training at CCMB
Application form & Statement of Purpose
Rs. 18,000/- (Including GST and Accomodation) Mode of selection Course Fee

Training Curriculum:

- Curriculum includes lectures and hands-on sessions on:

 Basics of NMR Spectroscopy
 Sample Preparation for Metabolomics
 Data Acquisition 1D and 2D NMR Experiments
 Data Processing and Analysis including Metabolites Identification and Quantification for all

Salient Features of the Training:

- Expert instructors will provide lectures and hands-on training Certificate of participation will be issued to the participants Exposure to laboratory safety regulations One-to-one interaction with the trainers Evaluation assignments and Trouble-shooting sessions

Apply using the link: http://recruitment.ccmb.res.in/training_programs/sdp/

Training Coordinator: Dr. Anant Bahadur Patel

Chief Scientist, NMR Spectroscopy and Microimaging CSIR-CCMB, Hyderabad

: Dr. Archana Bharadwaj Siva Contact details

Nodal Scientist Skill Development Program CSIR-CCMB, Hyderabad sdp@ccmb.res.ir



CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Chromatographic Techniques "



FOR WHOM

HOW TO APPLY

Application form is available at tp://www.ncl-india.org/files/SDP/Default.aspx

Here is the reason why

WHY CHOOSE US

PRIME INSTRUCTOR & TEAM

COURSE DETAILS

COURSE CONTENT

https://nclsdp.ncl.res.in/

fore weightage on hands-on practice

- More weightage of many first interactive sessions
 Robust & sustainable training module
 Affordable fee structure
 Brief on career options
 Networking



Envalior

CSIR-National Chemical Laboratory Corporate Social Responsibility (CSR) Activities CSIR-NCL invites corporate partners to invest CSR funds in our research initiatives, aligning

with UN Sustainable Development Goals



"The purpose of this laboratory is to advance knowledge and to apply chemical science for the good of the people"

What can we do together?

- Promote Healthcare, Education, and Gender Equality Student-Scientist Connect Program Rural Development Affordable Drinking Water Value-addition to Agricultural Products Agricultural aid to farmers Environmental sustainability Affordable persey source

- Affordable energy source
- Full and productive employment Decent workplace
- Infrastructure building
- Sustainable Communities Climate Action
- Protection of Flora and Fauna





Categories of CSR funding Infrastructure Development





Equipment (Creation of a specialized facility of wider utility)

R&D (Support for technology driven projects futuristic technology, and Centre of Excellence)

Fellowships (Research Fellowships and Travel





CSIR is eligible for CSR funding support from Corporates under Section 13, Schedule VII of Companies ander Section 13, Schedule VII of Companies Act, 2013.

CSIR-NCL being a constituent laboratory of CSIR, is eligible for CSR funding support from Corporates.









CSIR – NATIONAL BOTANICAL RESEARCH INSTITUTE

Rana Pratap Marg, Lucknow



ONE YEAR CERTIFICATE COURSE ON

PROFESSIONAL GARDENING & NURSERY MANAGEMENT





Approved by National Council for Vocational Education and Training (NCVET), Ministry of Skill Development and Entrepreneurship, Government of India

Date of Start of the Course: 18 January 2025

Key Features

Expert Guidance Learn from experienced horticulturists and scientists

Hands-on Training Gain practical skills in plant propagation, care & management

Industry Exposure wned nurseries and

Career Opportunities Open doors to various roles in

Certification Certified by NCVET and organized by CSIR-NBRI Minimum Qualification Required Candidate must have passed 12th standard

Fee Structure Rs. 30,000 (without boarding and lodging) for individuals & Rs. 60,000 for sponsored students

Notional Hours 1200 (Theory 340, Practical 530, Employability skills 60, OJT 270)

Maximum 20 students will be taken in one batch

Certifying Body Agriculture Skill Council of India

SCAN the OR CODE

for Registration



APPLY NOW

GROW YOUR SKILLS, GROW YOUR FUTURE

CULTIVATE A CAREER

DISCOVER THE BEAUTY OF



00000 Last Date of Registration

05 January 2025

For further information/clarifications, please contact

Dr. S.K. Tewari

Chief Scientist & Head, Botanic Garden CSIR-NBRI, Lucknow Phone: +91-522-2297961, 960; +91-9918733338 (M) E-mail: sktewari@nbri.res.in

For more details about the course, visit:

https://www.nqr.gov.in/qualifications/9585

E CSIR-NIIST



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

1G, 2G Ethanol & Biofuels – Process development, analyses, opportunities, and pilot scale operation

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

CSIR-NIIST, Thiruvananthapuram

Program Date: 1st week of February 2025

Last date to apply: December 31, 2024

Filled application forms (in PDF format) must be sent to: esdp.niist@gmail.com

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

Who can apply?

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

Terms and Conditions

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

Selection Criteria

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



About the program

India is determined to increase the blending of bio-ethanol by 20 % in the year 2025 and wide range of activilles such as 2G ethanol (Pradhan Mantri JI-VAN Yojana), World Biofuel Allaince, National Yolana), World Biofuel Allaince, National Policy on Biofuels and BioE3 policles are initiated by Govt of India. Further Gol has allowed production of bioethanol from wide range of sources such as lignocellulosic biomass, decayed grains, sugarcane juices, rice etc., are also promoted.

With this context, Microbial Division of CSIR-NIIST is conducting a training program on the pilot plant operation and production of 1G/2G ethanol from wide range of agro produces and salient features of this program includes.

- Hands on training on operation of fermentors and distillation colums in pilot scale
- 2. Operation of 100 kg/hr boilers and

- 2. Operation of 100 kg/hr boilers and cooling towers
 3. Theory on process design and scale-up
 4. Quality analysis via GC, HPLC and other analytical equipment
 5. One day visit to ethanol production industries

 1. The state of the state of









About the Institute

About the Institute

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

About the Department

- First of-its-kind pilot plant facility in India for processing of agro residues to produce 2G ethanol. The plant has all operations from blomass miling, High-pressure pretreatment reactor. Neutralization reactor, Hydrolysis Reactor, Fermenter and ethanol distillation with with a processing agreement. units with a processing capacity of 100 kg biomass/batch.
- ANALYTICAL FACILITY: HPLC, GC, HPTLC, FTIR, GC-MS, Spectrophotometers, Multimode readers, etc., for biomass



Skill Coordinator

Mr. Moni V.

itist & Head, ITSU iruvananthapuram

Training Coordinator Dr. Venkatesh T.

For assistance in application, may please contact

1. Anju Das, Project Assistant, CSIR NIIST. Mobile no: +91 6238175970 2. Venuprasad, Project Assistant, CSIR NIIST. Mobile no: +91 9030334708

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

INTRODUCTION TO LIFE CYCLE **ASSESSMENT STUDIES ON BIOPROCESSING AND** CHEMICAL ENGINEERING -**PHASE II**



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

What do you learn in this program?

Day 1

Session 1 (9:00 am-10:30 am)

Overview of sustainability: Definition of sustainability, various aspects of sustainability

➤ Session 2 (11:00 am -1:00 pm)

Technical Feasibility: estimating theoretical maximum and best-case scenarios

➤ Practice Session 1 (03:00 pm -6:00 pm) Super Pro OR DWSIM

Assessing the sustainability of engineered systems is an integral part of engineering practice. This workshop will introduce multiple dimensions of sustainability analysis for engineered systems. Lectures and case studies will discuss methods and tools to perform technical feasibility and economic viability analysis, environmental risk, resource sustainability and life cycle assessments.

Course Description

Course Learning Outcomes

- Describe various aspects of resilience and
- sustainability from multiple perspectives.

 Evaluate the technical feasibility of a technology.

 • Assess the economic viability and resource
- sustainability of a technology. Evaluate the environmental impacts of a given product/process using the life cycle impact assessment method.

Objectives

- Selection of a problem. (Before coming to the workshop)
- Develop process models in SuperPro/DWSIM and OpenLCA
 Perform sensitivity analysis and determine the
- most sensitive parameters.

 Presentation of your reports to class.

Day 2

➤ Session 3 (9:00 am-10:30 am) Resource Sustainability: Water availability, consumption patterns and discussions

> Session 4 (11:00 am -1:00 pm)

Economic Viability: Review of net present value, internal rate of return, payback period.

➤ Practice Session 2 (03:00 pm -6:00 pm) Super Pro OR DWSIM

Day 3

> Session 5 (9:00 am-10:30 am)

Environmental Impacts Assessment: Overview, methods, ISO 14040, LCI databases such as US LCI, Digital Commons, and Ecoinvent, Challenges in LCA (part 1)

> Session 6 (11:00 am -1:00 pm)

Environmental Impacts Assessment: Overview, methods, ISO 14040, LCI databases such as US LCI, Digital Commons, and Ecoinvent, Challenges in LCA (part 2)

Practice Session 3 (03:00 pm -6:00 pm) Open LCA and SIMA PRO

Course Coordinator: Dr. T. Venkatesh (Se Dr. P. Binod (Procquel Se

Resource Person: Prof. Ganti S. Murthy

Day 4

- ➤ Session 7 (9:00 am-10:30 am) Environmental Risk Assessment
- Session 8 (11:00 am -1:00 pm) Social Aspects of Sustainability: Policy and social aspects of sustainability.
- > Practice Session 4 (03:00 pm -6:00 pm) Project work

Day 5

> Session 9 (9:00 am-10:30 am)

Understanding Resilience and Resilience

➤ Session 10 (11:00 am -1:00 pm)

Understanding and solutions fr Eurocentric and Bharateeya perspective from

➤ Project Presentations (03:00 pm -5:00 pm)

Targeted Audience

PhD scholars in Chemical Engineering & Biotechnology, Entrepreneurs and Industrialists, post-graduate students and other R & D Managers and employees who wish to explore and practice LCA for their processes.

Course Fee

INR 10,000 (Including tax, for Post-graduate and

Ph D Scholars)
INR 15,000 (Including tax, for industrial persons/academicians): For free accommodation with dinner and breakfast, 2000 INR needs to be paid extra.

Date:

06/01/2025 - 10/01/2025

CONTACT

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











Entrepreneurship and Skill Development Training Programme on Processing of Plastic and Other **Polymeric Materials**

Program Coverage:

- Plastics and Polymeric Materials: characterization. regulatory requirements and Safety Evaluation.
- Simulant and Leachate Preparation for toxicity assessment of food packaging materials and colo plastic bottles
- Hands-on Experience and Troublesh Atomic Absorption Spectroscopy (AAS)
- Specific migration tests for phthalates using HPLC
- UV-Vis Spectroscopy Analysis for monomers
- Overview of polymer processing and visit to CIPET.



6 - 10 JANUARY, 2025



9:30 AM ONWARDS



scan /click her to register

LINK:- https://iitr.res.in/En/SDP.aspx

For queries, contact : Monika Yadav (Project Associate-1)- 7905199463 Sadiya Zafar (Project Associate-1)- 9838608758 Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236 sdp1.iitr@iitr.res.in , sdpiitr@gmail.com

Engineer Graduate/

Post

Who can Apply:

Course Coordinator

Dr. Rachana Kumar

- **Research Scholars**
- Industry Employees
- MSME Representative
- · Govt. Officials

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH, (CSIR-IITR) VISHVIGYAN BHAWAN, 31 MAHATMA GANDHI MARG, LUCKNOW-2261



NEWS CLIPPINGS

न्यूज़ क्लिपिंग



UGC finalises draft guidelines promoting access to 'life-long' learning and education

The Hindu Bureau

University Grants Commission (UGC) has finalised the 'Draft Guidelines for Implementation of Recognition of Prior Learning (RPL) in Higher Education' to provide access to education and to enable the concept of lifelong education. RPL is defined in the guidelines as a formal mechanism used to evaluate a person's existing knowledge, skills, and experience gained through formal, non-formal, or informal learning.

UGC Chairman M. Jagadesh Kumar said the guidelines are to address the challenges faced by India's large informal workforce, which requires formal education and career progression opportunities.

He said RPL is integral to the vision of the National Education Policy (NEP), 2020. "RPL allows indivi-



M. Jagadesh Kumar

duals to gain formal recognition for skills and competencies acquired through informal, non-formal, or experiential learning. Through RPL, such individuals can access higher education, earn formal qualifications, and improve their employability," he said.

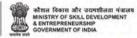
The National Credit Framework (NCrF) supports RPL by facilitating the creditisation of all learning forms—academic, vocational, and experiential, he

"To enable individuals to convert their skills into qualifications, RPL helps bridge the gap between real-world experience and formal education and enhance career prospects. RPL contributes to economic growth, social inclusion, and a more skilled workforce," Mr. Kumar said.

The guidelines emphasise robust governance, quality assurance, and collaboration among policymakers, educational institutions, employers, and assessment bodies to ensure fairness, consistency, and inclusivity while implementing RPL.

The objectives of RPL guidelines include enabling individuals who have acquired competencies through non-formal and informal learning methods to access higher education programmes.







एनएसडीसी की संकल्प योजना हितग्राहियों को प्रमाण पत्र एवं टूल किट वितरित



योजनाएं संचालित करने के लिए शुभकामनाएं ही। इस अवसर पर विशेष तौर पर NSDC से EMERGP (संकल्प) योजना के प्रभारी मैनेजर विश्वा विवेक द्वारा ग्राम पंचायत-चंद्रनगर, व्यन्तीर, पृक्षड़ी हिराजु के हितग्रहियों को प्रमाण-पत्र एवं दूल किट वितरण कर संकल्प योजना से द्वारा ही जाने वाली सुविधाओं से अवयात कराया एवं बताया कि माण-पत्र पत्र ट्लिट के माध्यम से हितग्रहियों को किस प्रकार से रोजगार एवं स्व- रोजगार में सहायता प्राप्त होगी। कार्यक्रम का संचालन ITRC संस्था के माजे रामके, सौरभ अवस्थी, नीरज अहिरवार, उत्कर्ष पाठक एवं मार्गदर्शन सुश्री आयुषी निमाई हारा किया याना। मनोज हारा बताया याना कि योजना के अगले चरण में इनमें से चयनित हितग्रहियों को उद्यमिता विकास का प्रशिक्षण प्रदान किया जाएगा। जिसके पश्रात सामन द्वार स्व- रोजगार के लिए आधिक सहस्यता का प्रावश्यन भी है। त्रेर प्राप्त विकास का प्रशिक्षण प्रराप्त किया जाएगा। जिसके पश्रात सामन द्वार स्व-रोजगार के लिए आधिक सहस्यता का प्रवश्चन भी है। त्रेर प्राप्त विकास का प्रविश्वण प्रराप्त करा वालाभा जिससे शासन की महती योजना का लाभ सभी ग्राम पंचायतों त्रे मारान के महती योजना का लाभ सभी ग्राम पंचायतों त्रक पहुँचाया जा

उद्यमशीलता मंत्रालय के सचिव का ओपी जिंदल कम्युनिटी कॉलेज में हुआ आगमन



संवाददाता

पतंरातू : भारत सरकार के कौशल विकास एवं उद्यमशीलता मंत्रालय (एमएसडीई) के सचिव आईएएस अतुल कुमार तिवारी का बुधवार को ओपी जिंदल कम्युनिटी कॉलेज पतरातू में आगमन हुआ। इस दौरान जिंदल स्टील एवं पावर प्लांट के हेड सत्येंद्र सिंह ने अतुल कुमार तिवारी को पुष्प गुच्छ देकर जोरदार स्वागत किया। तत्पष्वात छात्र-छात्राओं ने नृत्य एवं स्वागत गान के साथ अतिथि को मुख्य भवन तक ले गये। जहां पर संस्थान के प्राचार्य अतिथियों को शॉल ओढ़ाकर सम्मानित किया गया। इसमें मुख्य रूप से झारखण्ड सरकार के श्रम नियोजन एवं प्रशिक्षण विभाग के निदेशक एवं श्रमायुक्त संजीव कुमार बेसरा, जिंदल फाउंडेशन पतरात के रवि निवास, मानव

संसाधन विभाग के सतीश कुमार सिंह आदि लोग उपस्थित थें। इस दौरान सचिव अतुल कुमार तिवारी ने संस्थान के मुख्य भवन तथा वर्कशाप का निरीक्षण किया। साथ ही उन्होनें संस्थान में उपस्थित वर्कशाप तथा परिसर को देखा एवं प्रशिक्षुओं से बातचीत भी की। इसके बाद उन्होंने संस्थान के लोगो के साथ एक औपचारिक बैठक कर संस्थान के प्राचार्य से संस्थान के बारे में विस्तृत जानकारी ली। मौके पर अतुल कुमार तिवारी ने संस्थान के प्रबंधन को संस्थान में नए व्यवसाय को संचालित करने के क्षेत्रीय निदेशालय (आरडीएसडीई) के प्रमुख क्षेत्रीय निदेशक बीके दुबे कार्यालयाध्यक्ष पीके मडावी से परामर्श कर शीघ्र ही नए व्यवसाय संचालित करने का निर्देश दिया।



GENERAL EVENTS

सामान्य आयोजन



(Please click on the link to view the details)*

- New UGC guidelines to promote 'life-long' learning
- Huhtamaki India Launches Skill Development Program for Youth in Rudrapur & Silvassa
- Enhancing Cooperative Skills in India
- Government spending on semicon R&D crosses ₹2859 crore in last decade
- ServiceNow Joins Tamil Nadu
 Skill Development Corporation
 (TNSDC) to Equip 10,000+
 Students with Future-Ready
 Skills
- GOvt inks MoU with Google for skill development in Al
- BOSCH India Foundation, Medhavi Group sign MoU to collaborate on advancing skill development initiatives
- Essential skills that every adult should know
- How skill-based education is transforming the job market

- Anuvadini Al bridges
 language barriers, empowers
 India's workforce for skilled
 future
- Grassroots development, governance, creating ecosystem key issues for India for 2036 Olympics:
 Sports minister
 Mandaviya
- CSR: Adani Foundation Empowers Rural Youth at ACC Chaibasa through Skill Development
- Toyota Kirloskar Motor
 Unveils 'Toyota Youth
 Connect' to Boost Skill
 Development in
 Karnataka
- INSPACe To Develop Training Programmes For Skills In Space Sector
- NSDC Partners with Juspay to enhance Payment Solutions for Skill Development
- Top In-Demand Skills for a
 Career in Green and
 Sustainable Industries

- Vedanta sets up 'VeDakshata' skills training centre in Sundargarh
- Ministry of Skill
 Development Empowers ITIs
 Through STRIVE Initiative
- Skill Development Boost:
 NSDC Joins Hands with
 Unstop
- Q Group Introduces QPLUS
 Education and Training: A
 New Era of Skill
 Development and
 Empowerment
- EON Reality and NSDC
 Partner to Transform India's
 Skill Development with AI
 and XR Learning
- The Nudge Institute: Nation
 Builders Shaping a
 Sustainable Future Through
 Skill Development
- Skill Training centre for Disabled Students at Central Polytechnic College in Taramani, Chennai
- CIL's CSR Expenditure Hits Rs 5,570 Cr in 10 Years
- Scania India Opens Advanced Training Centre To Boost Skill Development
- Singapore President Tharman Shanmugaratnam to visit Odisha in January
- w Year-Ender 2024: A year of transformative strides in education and skill development



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हमें फ़ॉलो करें







(CSIR Integrated Skill Initiative)

