

CSIR SKILL BULLETIN

(A FORTNIGHTLY E-PUBLICATION)

सीएसआईआर कौशल पत्रक

(पाक्षिक ई-प्रकाशन)

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IMAGES: Various Skill Development Training Programs at different CSIR Labs.

Editorial Team

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- Sh J. Suriyanarayanan
- Dr Durgavati Yadav
- Mr Pradeep Kr Sharma
- Ms Sindhu Gupta

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- Nodal Office Updates
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SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

CSIR-CEERI, Pilani organized TEK-Connect 2024 jointly with Vigyan Bharti, Rajasthan at Jaipur over 24-25th October 2024. Hon'ble Governor Rajasthan Shri Haribhau Kisanrao Bagde, was the Chief Guest. Many dignitaries from Govt, Industries & Academia including students participated the event. This was coordinated by Dr Vijay Chatterjee, Sr Scientist & SDP Nodal, CSIR-CEERI. The technical sessions deliberated on Bridging the Skill Gap in Semiconductor Manufacturing, Technological Inclusion in Renewable Energy Projects, Integrating EV Technology and Renewable Energy – Preparing Engineers for Tomorrow's Challenges, Industry 4.0 and Skill Development in Electronics Engineering as panel discussions. The event was a grand success with overwhelming response and final concluding remarks.



CSIR-CECRI, Karaikudi organized a One-week Training Program on "Electroanalytical Techniques for Electro (catalytic) and (bio) sensing applications" from 14th-18th October 2024. This program aims to provide the latest knowledge & skills about electroanalytical techniques. 39 participants attended this program by covering different parts of Tamil Nadu, Kerala and Karnataka.









CSIR-CRRI, New Delhi organized a Training Program on "Road Asset Management (RAM)" from 14th-19th October 2024. Total 26 Participants attended this training program.







CSIR-CECRI, Karaikudi organized an Industry-oriented special, customized refresher course on "Protective Coatings: Fundamentals, Inspection and Maintenance" from 21st-25th October 2024. This One-week special course for IOCL includes theory classes, practical sessions, visits to the atmospheric corrosion testing center at Mandapam, evaluation tests, and group discussions. 26 office executives from IOCL, Mumbai & other centers of India, and 9 participants from the regional centers of BHEL Tiruchirappalli, Ranipet, and PSSR, Chennai participated in this program.







CSIR-AMPRI, Bhopal under the aegis of CSIR Skill Development Program (NWP-100), Dr Sandeep Singhai, Senior Principal Scientist, CSIR-AMPRI, imparted training to the students in the skill development, the training program was organized by IES University, Bhopal on October 22, 2024. The Institute also signed an MOU with the college for academic co-operation.











CSIR-AMPRI, Bhopal has conducted an Expert Lecture cum Industrial Visit for Faculty Development Program (FDP) from NITTTR. A session was organised for the faculties of NITTTR Bhopal and Faculties from various Polytechnic's in Uttar Pradesh under the Skill Development Program on 24th October 2024. During the event Dr Sandeep Singhai, Skill Coordinator delivered a talk on 'CSIR-AMPRI Technologies and Opportunities'. Further Dr Neeraj Dwivedi, Principal Scientist delivered an expert lecture on 'Smart Materials'.











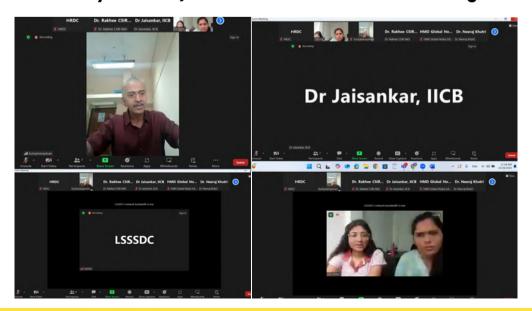
(Please click on the link to view the details)

- CSIR-NEERI, Nagpur organized a Training Program on "Introduction to GHG Inventory Preparation for the India's Contribution to Climate Change Studies" on 22nd October 2024. Dr Harshvardhan Singh, Senior Principal Scientist & In-charge, SDC briefed about Green Skill Development activities of the Institute. Participants from rural and urban areas of Karnataka, Maharashtra, UP, Kerala, Odisha & Bihar states belonging to different organizations had participated in the skill training program. During Valedictory session, Dr R.J.Krupadam, Dr Harshvardhan Singh and Er M. Karthik interacted with participants and distributed the certificates.
- CSIR-IICT, Hyderabad organized a One day National seminar on "Advances in Science & Technology" on 26th October 2024 at Mahatma Gandhi University, Nalgonda. The seminar was supported by TGCOST & organized by Department of Chemistry, University College of Sciences, MGU in association with CSIR IICT resource persons Dr K. Rajender Reddy Chief Scientist, Mr. Anil Kumar Pulipaka Nodal Officer, Skill Development, Dr Debasish Swain Coordinator, Skill Development. The team from CSIR-IICT enlightened the UG & PG students of chemistry about Advances in Chemical Sciences & Technology. Around 200+ students along with Faculties from MGU attended the program.
- CSIR-CEERI, Pilani organized a Two week hands-on training program on SHILP (Semiconductor High Impact Learning Program) from 14th-25th October 2024. 17 students of Nirma University, Ahmedabad, Gujarat including their Faculty, Scientists & Technical staff attended the program. Dr PC Panchariya, Director, awarded certificates to the student-trainees of the Nirma University, Ahmedabad, Gujarat. He wished the students for their future endeavors.

NODAL OFFICE UPDATES

नोडल कार्यालय अपडेट

The Skill Nodal Office at CSIR-HRDC, Ghaziabad is pleased to announce that the CSIR's Module on HPLC (High-Performance Liquid Chromatography) has been approved by the NCVET as an independent NOS. In this regard, Skill Nodal Office organized a virtual meeting amongst relevant CSIR Labs jointly with Life Sciences Sector Skill Development Council (LSSSDC) on 28th October 2024 to plan SDP on HPLC Module in the near future. Four Labs namely CSIR-NIO, CSIR-IICB, CSIR-IITR & CSIR-IMTECH participated. The meeting went well with many views and suggestions from both sides. Another Module on GLP (Good Laboratory Practice) was also discussed in the meeting.





UPCOMING EVENTS

आगामी आयोजन







SKILL DEVELOPMENT PROGRAMME "Determination of **Active Principals of Spices:**

A Theoretical Approach and Practical

Demonstration"







Topics to be covered (both theory and practical):

- Introduction to spices, classification, physicochemical and functional properties.
 Theory classes on Oils and oleoresins, Extraction of Active principles, Functional food/nutraceutical from
- Practical demonstration of Oils and oleoresins extraction
- Demonstration of spices oil and oleoresin separation
- A qualitative and quantitative analysis of active

Course fee: Rs. 5000/-

http//sdp.niist.res.in

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

The objective of the current course is to familiarize the attendees with the active The objective of the current course is to familiarize the attendees with the active principles of spices their importance, extraction, separation, and purification techniques, and qualitative and quantitative evaluation of the spices' bloactives using sophisticated analytical instrumentation methods (UV-visible spectrophotometer and Chromatographic techniques) wherever possible.

The Course is designed in such a way that first, the participants will get the introductory information through theory classes about Spices active principals, and further they would be exposed to the practical demonstration.

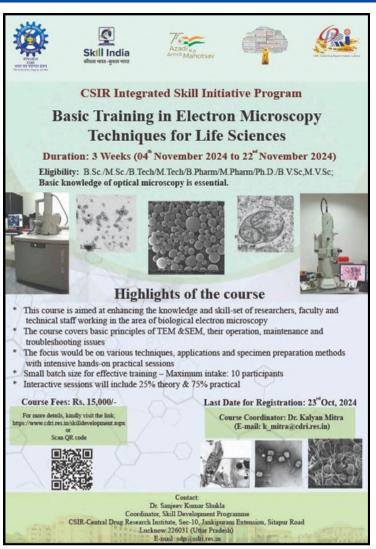
No. of Seats: 5-10

Course coordinator: Dr. Tripti Mishra

DATE: 04-08 November 2024 (5 days)

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











NEWS CLIPPINGS

न्यूज़ क्लिपिंग



Tata Group Looks to Create 500k Jobs in 5 Yrs

Big investments to be made in mfg facilities for semiconductors, batteries, EVs: Chairman

Our Bureau

New Delhi: Salt-to-steel conglomerate Tata Group plans to create 500,000 jobs over the next five years, backed by large investments in manufacturing facilities for semiconductor chips, batteries, electric vehicles, and precision manufacturing. among others, Tata Sons chairman N Chandrasekaran said on Tuesday.

These jobs are our (Tata Group) jobs. Besides this, because the eco-

system has to be set up. I expect minimum 500-1,000 more companies, which will be small- and mediumscale ones that will be set up," said Chandrasekaran, addressing the Indian Foundation of Quality Management (IFQM) symposium in

He said it is India's moment to make a mark on the world stage with the momentum in manufacturing sector, rising

per capita levels, and growing demand for products and services set to propel the country forward.

"We will be a significant player in the manufacturing requirements of the world," Chandrasekaran said.

He pointed out that with a million people joining the workforce every month, India has the potential to become the human resource capital of the world.

He, however, stressed on the need for creating processes to ensure quality in product manu-

facturing, people and the ecosys

"If we want to be known for being a world leader of producer of best-inclass world products, there are two things that are needed-quality of product or service, and quality of experience. We need to focus on both," he added.

Emphasising that 'Viksit Bharat' implies much more than just economic growth, Chandrasekaran said. The opportunity in front of India is huge and 'Viksit Bharat' is not about good economic growth but also about achieving social equality, health span for citizens and quality of life for all citizens.

Committed to partnering with AMTZ: Jayant Chaudhary

The Hindu Bureau BAKHAPATNAM

Union Minister of State for Skill Development Jayant Chaudhary has reaffirmed the commitment of the Centre to partnering with Andhra Medtech Zone (AMTZ) for advancing education and skilling in the healthcare sector.

AMTZ as an institution is

still in its infancy and has immerse potential for growth, the Union Minister said while participating in the 93rd birth anniversary of former President A.P.J. Abdul Kalam, held at AMTZ on Tuesday.

Speaking on the occasion, Mr. Chaudhary emphasised the importance of innovative problemsolving in today's complex landscape and haifed AMTZ as a dynamic platform for cross-disciplinary collaboration, where diverse enterprises could thrive together. He appreciated the progressive leadership of Chief Minister N. Chandrababu Naidu, who envisioned the AMTZ project during his tenure in 2018. The launch of various medical technology

initiatives at AMTZ on Tuesday, such as a prosthetic limb facility, reflect its vibrant ecosystem, Mr. Chaudhary said. Dr. Jitendra Sharma, MD and founder-CEO of AMTZ, highlighted the importance of collaboration among manufacturers, innovators, scientists, doctors, and engineers in perpetuating Abdul Kalam's legacy.



Union Minister of State for Skill Development Jayant Chaudhan accompanied by AMTZ MD Jitender Sharma, going round the Medbech Zone, in Visakhapatnam on Tuesday

14 Companies: Pursuit of Profit

Talent Crunch Set to Hit Clean Energy Cos' Expansion Plans

TeamLease puts skills gap at 1.2 m; only 450,000 from current pool of engineer grads employable

pansion plans, is facing a talent shortage, according to top indust shortage, according to top indust Data from TeamLease Degree Apprenticeship shows that the sector as a whole-consisting of solar, wind, hydro, battery storage—is estimated to create 1.7 million jobs, direct and indirect, in the next intere years as several companies are looking to ramp up workforce. However, the skill gap in the sector is a whopping 1.2 million. Only about 4.5 lakh people from the current latent pool of engineer graduates are employable. Expert spointed out the need for rapid reskilling of existing talent and widening the apprenticeship talent pool of magnetic states are made to the sector include the likes of Tatas. Adani, Reliance, Renew Power, Sterlite, Mainfora, and JSS well as talent pool of sunifora, and JSS well on start cate indig to buildings a talent pool and fo

hindra, and JSW.
"Organisations need to start cate-ring to building a talent pool and fo-

Low on Energy

segment growing 20-25% annually slight said Sumit Kumar, chief business officer. TeamLease Degree Apprenticeship Currently solds as a sub-segment habit Currently solds as a sub-segment habit Currently solds as a sub-segment habit control of the segment habit control of the segment habit solds as a sub-segment habit solds as a sub-seg

Union Minister encourages students to tread entrepreneurial path



Inauguration of NSTI extension campus in Andhra Pradesh



Union minister of state for skill development and entrepreneurship Jayant Chaudhary inaugurates the National Skill Training Institute (NSTI) extension centre at the Andhra Medical Tech Zone (AMTZ) campus in Visakhapatnam on Tuesday. — BY ARRANGEMENT

National skill training institute extension hub opened in Vizag

LAXMI PRANATHI | DC VISAKHAPATNAM, OCT. 15

Union minister of state for skill development Jayant Chaudhary inaugu-rated a new National Skill Training Institute (NSTI) extension centre at the Andhra Medical Tech Zone (AMTZ) campus in Vis-akhapatnam on Tuesday, aiming to bridge immedi-

aiming to bridge immedi-ate skill gaps in AP.

The NSTI extension cen-tre will begin training in Computer Software Appli-cations (CSA) under the Crafts Instructor Training Scheme (CITS) starting from the 2024-25 academic

Additionally, it will offer

short-term courses various computer applications through the Advanced Vocational Training scheme, overseen by

ining scheme, overseen by the directorate general of training (DGT). Equipped with a modern computer laboratory and furnished classrooms, the center aims to provide a conducive learning envi-ronment. Free hostel accommodations provided by AMTZ will be available for outstation candidates, along with mess facilities for all students on cam-

The minister expressed gratitude to the state gov-ernment for its support and reiterated the central

government's to strengthening

ment to strengthening skill infrastructure under Prime Minister Narendra Modi's leadership.
"This initiative will help provide better opportunities for a better livelihood for the locals," he said.
The inauguration coincided with the birth anniversary of Dr A.P.J. Abdul Kalam, during which the minister paid homage to the former President, highlighting his contributions to science and edutions to science and edu-cation.

He emphasised Dr Abdul Kalam's visionary efforts aimed at empowering youth through skill development and innovation

PM Internship Scheme will empower youth to thrive in Global Inc

THE ECONOMIC TIMES OCTOBER 19TH, 2024



India's Prime Minister Internship Scheme is set to offer internships to 1 crore youth between ages 21-24 over five years. They will work with top companies from various sectors, receiving a monthly allowance and government support. The initiative aims to equip youth with necessary skills for the global economy.

एनएसटीआई नोएडा के दीक्षांत समारोह में सांसद डॉ. महेश शर्मा ने महिला सशक्तिकरण पर दिया जोर



ोएड। राष्ट्रीय संथान (एनएसटीआई) में आयोजित तीसरे दीक्षांत समारोह में महिलाओं की उल्लेखनीय उपलब्धियों के लिए उनका भव्य सम्मान किया गया। इस अवसर पर मुख्य अतिथि के रूप जनसर पर मुख्य जाताय के रूप में उपस्थित सांसद डॉ. महेश शर्मा ने महिला सशक्तिकरण में कौशल प्रशिक्षण की महत्वपूर्ण भूमिका की सराहना की और प्रशिक्षुओं को

आत्मनिर्भर बनने के लिए प्रेरित किया। समारोह की अध्यक्षता एनएसटीआई की प्रिंसिपल शशि माधुर ने की। अपने संवोधन में उन्होंने संस्थान की प्रतिबद्धता को रेखांकित करते हुए कहा कि एनएसटीआई महिलाओं को आत्मविश्वासी और कुशल कार्यबल बनाने के लिए सतत प्रवासरत है। उन्होंने महिलाओं को आवश्यक कीणल रेक्टर उन्हें आर्थिक स्टालंपना और समानता की दिशा में आगे बढ़ाने



करते हुए कहा कि महिलाएं हर क्षेत्र में अपने कौशल और काविलियत से नया मुकाम हासिल कर रही हैं। उन्होंने प्रशिक्षओं को समाज और देश के विकास में वोगदान देने का आख़न

समारोह में महिला प्रशिक्षुओं की प्रेरणादावक सफलता की कडानियां साझा की गईं, जिन्होंने विभिन्न कौशल इसके अलावा, सांस्कृतिक प्रस्तुतियों और कौशल प्रदर्शनों ने कार्यक्रम की शोभा बढ़ाई। यह दीक्षांत समारोह केवल उपलब्धियों का उत्सव नहीं था. बलिक समाज में बदलाव लाने और महिलाओं को सज्ञक्त बनाने की टिशा में एनएसटीआई के संकल्प को दोहराता है। इस मौके पर कार्यक्रम में बडी संख्या में महिलाओं और समाज के विभिन्न क्षेत्र के लोगों ने भाग लिया।

Core skills remain crucia in this age of Al and N

Using AI to transform business depends on domain expertise, knowing how to talk to Al

TIMES TECHIES



GENERAL EVENTS

सामान्य आयोजन



(Please click on the link to view the details)

- Vice President Jagdeep Dhankhar hails NE's role in India's development, calls for skill enhancement
- Centre launched Prime
 Minister's Internship Scheme
 to make India 'Skill Capital of
 the World'
- Meghraj Singh Royal on Why Skill Development is Key for India's Youth Success
- Gautam Adani hands over Rs

 100 crore to CM Revanth Reddy

 for Skills varsity in Telangana
- IT Minister Nara Lokesh seeks
 Union government's help to
 create 20 lakh jobs
- ➡Vikramjit Singh Sahney appointed as VC of National Apprenticeship Council
- Skill Universities the future of India's Demographic dividend for Viksit Bbharat @ 2047
- Thiruvananthapuram, Kerala
 to launch skill development
 Centres in colleges to boost
 employability
- Women's jail: Sessions Judge lauds skill development of jail inmates

- Enhancing skill development in hospitality
- 2400 Teachers trained to build skill development centres in up schools
- How skill-based education is transforming the job market
- Semiconductor practical training mapped to different skill levels
- NSDC, in collaboration with YOJAK, Krishi Vigyan Kendra & others ReLEased a compendium titled "Skill-Led Models for Sustainable Rural Development: Stories from Nandurbar, Maharashtra"
- Foundation Introduces
 Framework To Distinguish
 Games Of Skill From Chance
- Apollo Tyres Launches Skill

 Development Program for

 Transgender Community in

 Hyderabad
- Committed to give futureready, globally relevant skill training: PM Modi
- Kaushal Deekshant Samaroh
 2024 held to celebrate
 achievement of over 8 lakh
 Skilled Graduates

- Chitkara University and KONE India launch Centre of Excellence for Skill Development in Vertical Transportation
- Tata Indian Institute of skills
 how IIS mumbai and IIS
 Ahmedabad envision skills for
 Industry 4.0
- Session on Exploring
 Opportunities in India Skills and
 World Skills, conducted at Techno
 India Group School, Bolpur,
 Birbhum. About 100 students
 participated
- NTPC launch Skill Training
 Program 2024-25 for Women
 under CSR
- Job creation, redefining skills most pressing issue globally amid rapid tech changes: Nirmala Sitharaman
- Meta teams up with IndiaAl to advance open source Al innovation, R&D, skill development
- Godrej Enterprises Group
 Boosts Warehouse Safety with
 Local Innovations and Training
 Initiatives
- 180 national skill training institute trainees get certificates at 3rd convocation ceremony in Ludhiana
- Chancellor Scholz's Visit Strengthens Indo-German Cooperation In Skills And Economic Development
- <u>Union Minister Dharmendra Pradhan Strengthens Australia-India Education & Skills Ties at Sydney</u>
 AIESC Summit
- Mational Skill Training Institute, Noida, Holds Its 3rd Convocation Ceremony



GLIMPSES झलकियां



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CSIR-CEERI



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CSIR- IICT





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https://www.csir.res.in/csir-labs-units

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सेक्टर -१९, केंद्र सरकार एन्क्लेव, कमला नेहरू नगर गाजियाबाद- २०१००२ (यूपी) भारत

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(CSIR Integrated Skill Initiative)

