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CSIR SKILL BULLETIN (A FORTNIGHTLY E-PUBLICATION) सीएसआईआर कौशल पत्रक्

(पाक्षिक ई-प्रकाशन)

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- Skill Trainings by CSIR
- Nodal Office Updates
- Upcoming Events
- News Clippings
- General Events
- Glimpses
- **Useful Links**



CSIR-HP



CSIR-IIIM



CSIR-NEERI



CSIR-IICT

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

SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

CSIR-IIP, Dehradun organized a Training Program entitled "Analysis using Elemental Thermo-Gravimetric and Microscopic Tools" from 06th-17th, January 2025. The training aimed to provide in-depth knowledge and handson experience on various analytical instruments namely ICP-OES, AAS, TGA, FE SEM, TEM and Powdered X-Ray. Analytical characterization approaches technique fundamentals, instrumentation and applications were explained in detail to 17 participants.





CSIR-CBRI, Roorkee organized a Five-day training program on "Disaster Resilient Building Construction in Hills" from 27th-31st January 2025. A total of 35 Engineers from two districts of Himachal Pradesh participated in the program.

CSIR-CECRI, Karaikudi organized a week-long Industry Oriented Refresher Course on "Electrochemical Power Sources: Lithium-ion battery - Science and Technology" from 20th -24th January 2025. This program aims to provide the latest knowledge & skills in Lithium-ion batteries. The program was attended by 13 Industrial participants [DRDO DIBER, Haldwani-2, EEE Energy Private Limited, Krishnagiri-2, Renault Nissan Technology & Business Centre India, Chennai-2, Flyon Batteries, Palakkad-2, CSIR-NPL, New Delhi-1, CSIR-CECRI, Karaikudi-1, Sai Delta Inspection & Testing Laboratory, Chennai-1, Self Sponsor-2]. The training program was inaugurated by Dr M. Sathish, Pr Scientist & Head of the Electrochemical Power Sources Division, explained divisional activities. The event was nodally coordinated and hosted by Dr S.M. Rajendran, Sr Pr Scientist, Head & Nodal Officer of ISI under CECRI's Skill Development Group.







CSIR-IIIM, Jammu organized a Three-day training program on "cGMP Pilot Plant for Extraction of Traditional (ISM) Herbal Plants" from 20th-22nd January 2025. About 30 participants from diverse backgrounds of Chemical Sciences, Pharmaceutical Sciences, Life Sciences, Medicine and AYUSH enrolled for the workshop. The program was inaugurated by Dr Zabeer Ahmed, Director & Chief Guest. Speaking on the occasion, Dr Zabeer Ahmed underscored the significance of merging traditional medicinal knowledge with modern scientific methods and regulatory frameworks.





CSIR-NCL, Pune organized a Three-week Program on "Chromatographic Techniques" from 23rd December 2024 to 10th January 2025 in which 25 students got trained. This course provides comprehensive training on various chromatographic techniques including GC, GC-MS, HPLC, and HPLC-MS. It also covered the identification and purification of mixture components for both qualitative and quantitative analysis. Dr Sanjay Borikar, Dr Mahesh Kulkarni, Dr Snehal More, Dr Nilakshi Sadavarte as main coordinators and their team served for successful completion of this course. Skill Nodal Head at CSIR-NCL Dr Rajesh Gonnade supported this program in all







CSIR-CCMB, Hyderabad organized a training program on "Introduction to IPR and Patents" from 08th-10th January 2025. 12 participants from all over India got benefited from this program. Training offered a series of modules, lectures and hands-on experiments on Intellectual Property Rights (IPR) like patents, trademarks, copyrights, and Patent filing.







CSIR-NCL, Pune organized a Four-month Program on "Synthetic Organic Chemistry" from 9th September to 30th December 2024. The Course included skills like Synthesizing known molecules via sustainable chemistry as well as new molecules with improved properties; greatly impacting modern society and economy. Practical knowledge of organic synthesis and handling of state-of-the-art facilities is the pre-requirement to contribute to this field. The course provides a hands-on experience of how the planning, designing, execution, and analysis are done in sync to achieve synthetic goals. Upon completing the course, participants will be capable of planning and independently executing commonly practiced and advanced organic transformations on a laboratory scale within a safe environment; guest lectures from industry professionals. Dr Dinesh Sawant and his team served as the main coordinators for this course, with guidance from Skill Nodal Head Dr Rajesh Gonnade.







CSIR-NEERI, Nagpur organized a Training Program on "Water and Wastewater-Monitoring, Analysis and Treatment" on 23rd January 2025 at Mumbai Zonal Centre (MZC). Dr C. Anandharamakrishnan, Director, CSIR-NEERI, Nagpur & CSIR-NIIST, Thiruvananthapuram inaugurated the skill training program and addressed the participants on various aspects of Water Resource Management, Wastewater Surveillance, Re-use of Wastewater etc. Dr Harshvardhan Singh, Sr Principal Scientist & In-charge, Skill Development Centre (SDC) briefed about Green Skill Development activities of the Institute. Dr Nitin Goyal, Principal Scientist & Chair, MZC & Course Coordinator welcomed the participants. Dr Shalini Tandon, Principal Scientist, MZC and Course Coordinator briefed about course contents. Participants from rural and urban areas of West Bengal, Maharashtra, Tamil Nadu, Bihar, Jharkhand, Chhattisgarh & Kerala states belonging to different organizations had participated in the skill training program comprising technical presentations and demonstrations of Water and Wastewater analysis at MZC Labs.







CSIR-CGCRI, Kolkata organized a Four-days training program on "Instrumental Methods for Chemical Characterization of Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control" in the Analytical Chemistry Section of Advanced Materials and Chemical Characterization Division (AMCCD) from 14th to 17th January 2025. 23 diploma (engineering) students participated in the training program. The students were given hands-on-training on instrumental characterization followed in the laboratory for chemical analysis of glass and ceramic materials followed by training on testing and calibration techniques related to temperature measurement & control and, basic instrumentation measurements and techniques.









CSIR-IICT, Hyderabad organized a One-day skill development Orientation Program in "Chemical and Biological Sciences" on 22nd January 2025, jointly with Arasu College of Arts and Science for Women, Karur, Tamil Nadu. CSIR-IICT Scientists interacted with participants and delivered a plenary lecture. Various topics, including research opportunities, CSIR's role in technology development, recent trends in Organic Synthesis and Bioprocessing, Molecular Biology interventions in Life Sciences were discussed. Around 130 UG and PG science students actively participated and engaged in meaningful interactions with resource persons.







CSIR-IICT, Hyderabad organized a National Workshop on "Innovative & Sustainable Business Strategies (ISBS-2025) for Science & Technology" on 27th January 2025. Experts, researchers, and Industry leaders came together to explore the future of commercialization of research work, sustainable growth, and Industry-academia collaboration. With inspiring talks, panel discussions, and technology transfers, the event was a step forward in bridging the gap between science and business sector. ISBS-2025 highlighted the power of collaborations among Academia, Startups, and Industries in driving innovation. The event was attended by approximately 200 people.







CSIR-IIIM, Jammu organized a training program on "Research Methodology, Science Communication, and Intellectual Property Rights (IPR)- A Futurist Perspective" on 31st January 2025. The program attracted a diverse group of participants, including students, research scholars, scientists, and professionals from various fields like management and law.

CSIR-CBRI, Roorkee organized a Hands-on training program on "SolidWorks Software" from 22nd-25th January 2025. A total of 25 working professionals and students participated in the program.



CSIR-CECRI, Karaikudi organized a One-week Skill Development Training Program on "Photolithography based Micro-fabrication of Sensors" from 27th-31st January 2025. This program aims to provide the latest knowledge & skills of the Photolithography. Photolithography is one of the most important and easiest methods of Microfabrication and is used to create detailed patterns in a material. In this method, a shape or pattern can be etched through selective exposure of a light sensitive polymer to ultraviolet light. This program was attended by 31 participants in covering different regions of Tamil Nadu. The training program was inaugurated and divisional activities explained by Dr J. Mathiyarasu, Chief Scientist & Head of Electronics and Electrocatalysis Division.







CSIR-AMPRI, Bhopal organized a Hands-on Internship/Dissertation Program on "Applied Science & Engineering" on 28th January 2025. 37 Participants took part in this program.





CSIR-CMERI, Durgapur organized a hands-on training & demonstration program on "Agricultural Machinery & Implements" on 22nd January 2025 for women farmers. 26 female farmers participated in the program.







CSIR-CEERI, Pilani organized a one-week hands-on training program focused on "Analytical Equipment" from 27th-31st January 2025. Seven master's students participated in the course, where they gained comprehensive knowledge and practical experience in operating advanced instruments such as NMR, Raman Spectroscopy, UV-Vis Spectrophotometry, FTIR, Fat Analyzers, and Protein Analyzers. This training provided the students with valuable skills in using these critical analytical tools.







CSIR-SERC, Chennai organized a 3-Day advanced course on "Seismic Engineering and Testing (ASCET-2025)" from 28th-30th January 2025. Fifty five (55) participants were participated in the advanced course.







CSIR-IIIM, Jammu organized a one-day workshop on "Research Methodology, Science Communication & IPR-A Futurist Perspective" on 31st January 2025. Over 80 participants, including researchers, students, and professionals, gained valuable insights into best practices in research, IPR Protection, and effective science communication.







NODAL OFFICE UPADTES

नोडल कार्यालय अपडेट

- Ms Bineesha Payattati, Member, Technology Development Board (TDB) and RC Member, CSIR visited CSIR Skill Nodal Office on 7th January 2025. She was briefed about CSIR's achievements so far in skilling initiative and way forward. On behalf of the Christ University, Bangalore she proposed joint effort by CSIR Labs and the University in providing skill training to school dropouts on Masonry and related topics, which is in high demand. The matter will be taken up further in consultation with concerned CSIR labs.
- Wing Commander Venkatesh Balasubramanian (Retd) from M/s SMC Corporation India (Indian Unit of SMC, Japan), premier pneumatic and automation manufacturing company visited the Skill Nodal Office Ghaziabad of CSIR on 22 January 2025. Taking advantage of CSIR's high-profile resources and its geolocations, he proposed to plan joint-effort by SMC and CSIR in providing skill training especially to the workforce of their (SMC) clientele operating in India, who periodically require skilled-manpower in Industry Automation. It was also discussed to explore possibilities to develop new course modules jointly by SMC and CSIR for inclusion in the National Qualifications Register (NQR). A followup meeting involving all concerned CSIR Labs has been suggested in the month of February 2025.

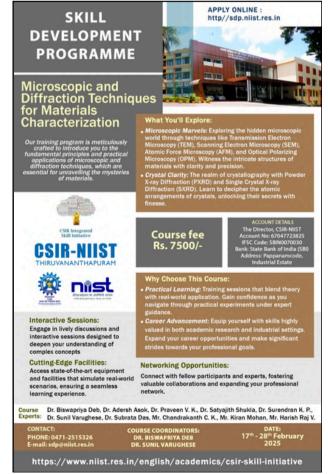


UPCOMING EVENTS

आगामी आयोजन











AI Assisted Techniques for Health Monitoring & Assessment of Special Structures (AI-SHM '25)

27 & 28 February 2025





Organised by: CSIR-Structural Engineering Research Centre (An ISO 9001-2015 Certified Organization) CSIR Campus, CSIR Road, Taramani Chennai -600 113, India

CSIR-SERC Skill Development Program 2024-2025

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai is one of the national laboratories under the Coun Chennai is one of the national laboratories under the Council of Scientific & Industrial Research (CSIR), India. CSIR-SERC has built-up excellent facilities and expertise for analysis, design and testing of structures and structural components Services of CSIR-SERC are being extensively sought 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 recognized at the national and international levels as a leading research institution in the field of structural engineering. Special & Multifunctional Structures and Structural Health Monitoring Laboratories of CSIR-SERC are working in the areas of AIML focusing on the structural health monitoring and assessment of different types of critical structures

About the Course

This course is designed to provide a comprehensive introduction to the fundamental concepts of artificial intelligence (AI) and machine learning (ML), with a primary focus on their applications in health monitoring and assessment of special structures. Participants will gain an indepth understanding of how Al and ML techniques can be leveraged to enhance the reliability, safety, and efficiency of infrastructure systems. The course offers a unique opportunity for engineering professionals to explore the latest advancements in the integration of AI with structural health monitoring, particularly in the context of complex and specialized structures. Emphasis will be placed on experimental and computational approaches to assess the health and performance of these structures. Topics covered during the course will include:

- Introduction to health monitoring & special structures
- Sensors & data acquisition for health monitoring
- Fundamentals of Al and Machine Learning for SHM
- · Al-Driven Analysis and Diagnostics Techniques
- · Predictive Analysis and Decision Support Systems
- · Case Studies & Real-World Applications
- · Advanced Al Techniques for SHM
- · Al Tools/Software for SHM

Scan the OR Code for Course Promo Video



Participation

- The course is open to practicing engineers, researchers, academicians, consultants, research scholars, stake holders public makers and private organizations.
- The course will include visit to Special & Multifunctional Structures Laboratory and other prominent laboratories at CSIR-SERC.
- The participation certificate will be provided to all the registered participants.

Venue & Duration

Training and Development Complex, CSIR-SERC, Chennai 27 & 28 February 2025; Time: 09.30 a.m. to 5.00 p.m.

Registration & Fee

The registration fee for the course is Rs. 2,000/- (inclusive of GST) per participant for Indian delegates and US \$300/- for foreign delegates. Presentation material (pdf format) shall be provided to all the registered participants. The brochure and details of the registration can be downloaded from the CSIR-SERC web site https://serc.res.in/course

Boarding & Lodging

The participants or their sponsoring organizations must bear travel, boarding and lodging expenses. Limited accommodation in the Guest House/Trainee Hostel at CSIR-SERC campus may be arranged on first come-first-served basis.

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.

For further details, please contact:

Dr. Srinivasa B. Ramisetti / Dr. A. Thirumalaiselvi Coordinators, Al-SHM '25 CSIR-Structural Engineering Research Centre [CSIR-SERC] CSIR Campus, CSIR Road Taramani, Chennai - 600 113, India Tel.: +91 44 22549113/5725 E-mail: ramisetti@serc.res.in/selvi@serc.res.i













Synthesis and In vitro Toxicity Analysis of Gold Nanoparticles using **Eco-Friendly Cappings**

Learnings-

- Skills in the wet chemical approach of synthesizing nanoparticles
- Hands-on training on synthesizing gold nanoparticles
- Protocol for synthesizing gold nanoparticles using eco-friendly cappings
- Introduction to mammalian cell culture and in vitro assays for toxicity evaluation
- Evaluation of toxicity of gold nanospheres via MTT/Alamar Blue assays

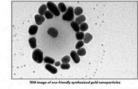
Seats - 15

Date:-13.02.2025-

14.02.2025

Benefits of Workshop:

- The participants will gain an understanding a hands-on training in synthesizing metal gold nanoparticles via the solution phase
- Understand the cytotoxicity of metal nanoparticles when exposed to cancer cells



https://iitr.re



M. G. Marg, Luck

ligibility:-M.Sc. /M. Tech/ h. D in Life sciences Ph. D in Life sciences or chemical sciences

For industry- Rs.5000/-

- Last date of registration:- 05.02.2025
- Time:-9:00 AM-5:30 PM
- Venue:- CSIR-IITR. M. G. Marg, Luckn

COURSE COORDINATORS Dr. R. Raja Gopal Dr. Pradeep K. Sharma

STUDENT COORDINATORS Monika Yadav - 7905199463 Sadiya Zafar - 9838608758

Dr. Ravi Ram Kristipati (Nodal Scientist)- 9307449236

CERTIFICATES WILL BE PROVIDED TO ALL PARTICIPANTS

Share

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CSIR-Indian Institute of Toxicology Research, (CSIR-IITR) Vishvigyan Bhawan,31 Mahatma Gandhi Marg, Luckno











WORKSHOP ON FLOWCYTOMETRY

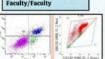
Program Coverage:

- Principles & Basics of Flowcytometry
- · Spectral Overlap & Compensation
- · Flow cytometry -based assays in cytotoxicity: ROS, cell cycle
- Flow cytometric evaluation of Apoptosis, Mitochondria membrane potential
- · Flow micronucleus (MN) Assays
- Basic data analysis, interpretation and presentation of the data
- · Basics of sorting principles









Scanner for payment



Registration link-

http://csiriitrprograms.in/sdp/applysdp.html

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH, (CSIR-IITR) VISHVIGYAN BHAWAN, 31 MAHATMA GANDHI MARG, LUCKNOW-22600

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

Course Coordinators

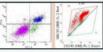
Dr. Alok K. Pandey

Dr. Prabhanshu Tripathi Dr. Puneet Khare

Eligibility

M.Sc/Ph.D

scholars/Technical



10 - 12 February, 2025 9:30 AM ONWARDS







Certificates will be provided to all participants

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

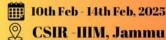




CSIR-Indian Institute of Integrative Medicine, Jammu

Hands on Training on Upstream & Downstream Processing of Industrially Important Products





TRAINING HIGHLIGHTS

- Isolation and Preservation of
- Production of secondary metabolite in fermenters
- Recombinant DNA technology
- · Upscaling of fermentation process
- Downstream processing
- · Enzymes from extremophiles
- · Technology Development
- Pursuing degree in: · Life Sciences (Any Branch)

Who Can Apply?

Ph.D, PG and UG students

- · Biochemical Engineering
- Pharmaceutical Sciences
- Working professionals having same background in any of the above fields are also eligible

GUIDELINES

- Registration Kit and Food for all participants shall be provided by Host Institute.
- Candidates should apply through Google forms available on website www.iiim.res.in `till 7th February 2025 (4:00 PM).
- A registration fee of Rs 1770/- (Rs 1500 + 18% GST) must be paid in Institute's account and the receipt needs to be uploaded in the online registration/Google
- Maximum 15 seats are available on First Cum First serve

https://forms.gle/u5KD9gaWhECKBS8SA



Registration Link Here





skilliiim2025@gmail.com

www.iiim.res.in



सी एस आई आर- भारतीय पेटोलियम संस्थान CSIR- Indian Institute of Petroleum



Skill Development Training

'Analysis using Chromatography and Mass-spectrometry'

February 03-14, 2025

CSIR-IIP Integrated Skill Initiative

For details visit: www.iip.res.in/skill-development, Qualification: MSc Chem./Biotech/M Pharm For queries: cdsharma@iip.res.in, M-9412028789 Landline:01352525 950



CSIR-Indian Institute of Integrative Medicine, Jammu

Skill Development Training Program

Hands on Training Program on Plant Tissue Culture Techniques



Who can Apply?

Ph.D, PG, and UG students Pursuing Degree in:

- · Biological Sciences
- Agricultural Sciences
- Working Professional with a Same background in any above of the fields are also eligible.



18th Feb - 20th Feb, 2025





CONTACT US

skilliiim2025@gmail.com CSIR-Indian Institute of

Integrative Medicine, Canal Road, Jammu, Jammu & Kashmir (U.T.) - 180001



- Registration Kit and Food for all participants shall be provided by Host Institute
- Candidates should apply through Google forms available on website <u>www.iiim.res.in</u> till 15th February 2025 (4:00 PM).
- A registration fee of Rs 1180/- (Rs 1000 18% GST) must be paid in Institute's account and the receipt needs to be uploaded in the online registration/Google
- Maximum 15 seats are available on First Come First serve.







NEWS CLIPPINGS

न्यूज़ क्लिपिंग

Building the AYUSH Workforce: Skilling, Innovation, and Entrepreneurship

Dali Agrahari

India's traditional systems of medicine -Ayurveda, Yoga, Unani, Siddha, and Homeopathy (AYUSH) - have long been revered for their holistic approach to health and wellness. Rooted in ancient texts and practices, these systems emphasise balance between the mind, body, and spirit, offering preventive and curative healthcare solutions. As the world increasingly turns towards natural and integrative healthcare models, India is emerging as a global leader by revitalising and modernising the AYUSH ecosystem.

The Ministry of AYUSH has spearheaded numerous initiatives aimed at enhancing education, skill development, innovation, and entrepreneurship in the sector. These measures not only safeguard India's ancient medical traditions but also create a robust framework for economic growth, job creation, and healthcare delivery.

Building a Skilled AYUSH Workforce

A thriving AYUSH ecosystem necessitates a well- trained, highly skilled workforce. The Healthcare Sector Skill Council (HSSC), under the Ministry of Skill Development and Entrepreneurship, has been ensuring the development of AYUSH professionals through targeted skilling, reskilling, and upskilling initiatives

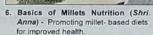
The Role of HSSC and AYUSH Sub-Council

In collaboration with the Ministry of AYUSH, HSSC has formed an AYUSH sub- council to standardise training, certification, and assessments across the sector. This sub- council affiliates training centers nationwide, ensuring alignment with the National Skills Qualifications Framework (NSQF).

Key Certifications and Qualifications

To date, 19 AYUSH qualifications and micro- credentials have been registered under NSQF, allowing individuals to pursue specialised careers such as;

- Panchakarma Technician Specialising in detoxification therapies rooted in Ayurveda.
- Yoga Wellness Trainer Facilitating yoga for physical and mental wellbeing
- Ayurveda Dietician Advising on nutrition through Ayurvedic principles.
- Garbhini Rakshak (Maternity Care Assistant) - Supporting maternal health with Ayurvedic methods.
- Ayurvedic Masseuse Delivering therapeutic massages using Ayurvedic oils and techniques.



- Kshara Karma Technician -Specialising in Ayurvedic parasurgical procedures.
- Panchakarma Assistant Assisting in Panchakarma detoxification procedures.
- Yoga Therapy Assistant -Supporting yoga- based therapeutic practices
- Prakriti Evaluator Assessing body constitution to personalise treatments.
 Naturopathy Assistant Aiding
- naturopathy treatments and practices.

 12. Ayurvedic Beauty Assistant
- Focusing on Ayurvedic skincare and beauty treatments.

 13. Cupping Therapy Assistant -
- Cupping Therapy Assistant Assisting in traditional cupping therapy procedures.

 Cupping Therapist Administering
- therapeutic cupping for pain relief and detox.

 15. Assistant Yoga Instructor Suppor-
- ting lead yoga instructors in classes and workshops.
- 16. Ayurveda Diet and Nutrition
 Assistant Guiding patients on
 Ayurvedic dietary practices.
- Introduction to Music Therapy -Exploring the therapeutic benefits of music in healing.
- Basic Principles of Sujok Therapy-Introducing principles of Sujok, a Korean hand and foot therapy.
- Geriatric Health Assistant -Specialising in Ayurvedic care for elderly patients.

Impact and Outreach: Since 2021, more than 30,000 individuals have been certified across these roles, contributing to a stronger, more capable AYUSH healthcare workforce. This structured approach ensures the highest standards of competence, meeting both domestic and international healthcare demands.

Nurturing the AYUSH Workforce and Talent through Skill Development and Promotion of

Innovation and Enterprenuership

Nurturing Research and Innovation

Research and innovation are essential to elevating AYUSH to new heights globally. The Ministry of AYUSH has introduced groundbreaking programmes to foster scientific inquiry and innovation within traditional medicine systems.

AYUSH PhD Fellowship Programme

To promote higher studies and research in AYUSH disciplines, the government launched the AYUSH PhD Fellowship Programme in 2016 under the Ministry of AYUSH. This programme is implemented through the Central Council for Research in Ayurvedic Sciences (CCRAS), which acts as the nodal council for all research councils. The objective is to encourage quality research in AYUSH systems provide better research opportunities for meritorious AYUSH scholars, and develop skilled human resources in the secto Candidates selected through the AYUSH National Eligibility Test (NET) receive a Senior Research Fellowship (SRF) with a monthly stipend of Rs. 35,000 along with House Rent Allowance (HRA). In addition, each fellow receives an contingency grant of Rs. 20,000 and a one- time research contingency grant of Rs. 1 lakh. This fellowship is also available to postgraduate NET- qualified candidates from non- AYUSH (nonmedical or allied sciences) backgrounds who are interested in conducting research in AYUSH- related fields. The tenure of SRF for AYUSH scholars is three years, whereas non- AYUSH scholars receive a Junior Research Fellowship (JRF) for two years, followed by SRF for three years.

A total of 53 fellowships are awarded under this programme, with 32 reserved for AYUSH scholars, 16 for non- AYUSH scholars, and 5 for selected universities. By 2019, a total of 27 scholars had been awarded the AYUSH PhD Fellowship, including 21 from AYUSH and 6 from non-AYUSH backgrounds. However, new admissions to the programme have been temporarily suspended since 2019 for revisions to the fellowship. Nevertheless,

the fellowship continues to be provided to students already enrolled under the programme.

CCRAS Post- Doctoral Fellowship

In 2021, the CCRAS introduced the Post- Doctoral Fellowship (PDF) scheme to nurture PhD and MD holders by providing:

- Monthly Fellowship: Rs. 60,000 +
 HRA
- Annual Contingency Grant: Rs. 3 Lakh.
 As of December 2024, 30 fellowships have been awarded, facilitating cutting-edge AYUSH research.

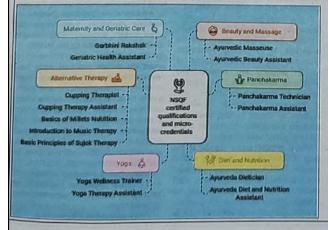
SPARK Programme for Undergraduate Research

The Studentship Programme for Ayurveda Research Ken (SPARK), launched by the Central Council for Research in Ayurvedic Sciences (CCRAS) in 2022, encourages innovative research ideas and promotes evidence-based scientific inquiry, by providing students to engage in short- term independent research projects, thereby familiarising them with essential research methodologies.

Open to Bachelor of Ayurvedic Medicine and Surgery (BAMS) students from recognised Ayurveda colleges across India, the programme specifically targets those in their first to fourth years, prior to their final exams. Selected participants receive a fellowship of Rs. 50,000, disbursed as Rs. 25,000 per month over two months, contingent upon the successful completion and approval of their projects. To apply, students must submit their research proposals online through the dedicated SPARK portal, where expert panels evaluate and select projects based on merit.

During the 2023- 24 academic year, over 200 students participated in SPARK, with plans underway to expand the intake to 300 students in the coming year. This growth highlights the programme's success and increasing interest within the Ayurvedic student community. The initiative also emphasises faculty collaboration, ensuring that each student works under the supervision of a permanent faculty member from their institution. To preserve originality, only one student is permitted to research a

Continued on page 6



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IAMMUTAWI Tue







Skill development training on herbal plants extraction begins

Jammu Tawi: A threeday skill development train-Gay Skill development training program focused on "GMP Pilot Plant for Ex-traction of Traditional (ISM) Herbal Plants" com-menced today at the CSIR-Indian Institute of Integra-tive Medicine (CSIR-IIIM) in Jammu. Around 30 partici-pants from various fields such as Chemical Sciences. Pharmaceutical Sciences, Life Sciences, Medicine, and AYUSH have enrolled for the workshop. The program was inaugurated by Dr. Zabeer Ahmed, Director of CSIR-IIIM Jammu, who highlighted the importance nighted the importance of integrating traditional medicinal knowledge with modern scientific methods and regulatory frameworks. Dr. Ahmed emphasized that the training aims to advance the herbal medicine industry while preserving the heritage of the Indian System of Medicine (ISM).

"Extraction is the corner-tops of System backle from the system of Medicine (ISM).

stone of any herbal formulation, and optimal extraction requires a deep understanding of plant materials, meth-



ods of extraction, quality control, and factors influencing the stability of bioactive compounds," Dr. Ahmed ex-plained. He also stressed that the extraction, formulation

and packaging of traditional herbal products are critical to ensuring their safety, efficacy, and quality. The train-ing program, which follows National Education

Policy (NEP) guidelines, seeks to equip participants with essential skills in the extraction, formulation, and packaging of herbal medicinal formulations. Over the

next three days, experts and distinguished speakers will lead sessions on advanced extraction technologies and practical experiments. cluding extraction, distillation, and evaporation.

Day 1 saw Er. Anil Katare, Principal Scientist, deliver a lecture on the role of Good Manufacturing Practices (GMP) in herbal extraction processes and their application in Ayurvedic drugs. Partici-pants also engaged in handsexperimentation on experimentation on grinding and sifting of plant materials under the guid-ance of Sumit Roy, Techni-cal Officer and Goutam Dubey, Project Associate I.

This initiative is part of CSIR-IIIM Jammu's broader efforts under the CSIR Inte-grated Skill Initiatives program. The event was organ-ized under the supervision of Er. Abdul Rahim, Chief Scientist and Head of RMBD & IST, with Dr. Deepika Singh, Principal Scientist, welcom-ing the dignitaries and participants. Dr. Nasir Ul Rasheed, Senior Scientist, delivered the formal vote of

IndiaAl and Microsoft Join Forces to Advance Al Innovation

IndiaAl and Microsoft have joined forces to harness artificial intelligence for inclusive development and economic transformation in India. The collaboration aims to skill 5 lakh individuals, including developers. educators, students. officials. and government entrepreneurs, by 2026. Key initiatives include establishing "Al Catalysts" Centers of Excellence in Tier-2 and Tier-3 cities, setting up Al Productivity Labs in 20 National Skill Training Institutes, and empowering 100,000 Al innovators and partnership also The developers.



focusses on responsible AI development, supporting startups, and creating an Al Safety Institute. This initiative seeks to position India as a global Al leader while fostering innovation, inclusivity, and sustainable growth.

GENERAL EVENTS

सामान्य आयोजन

(Please click on the link to view the details)

- ★ Karnataka to Set Up ₹2,500 Cr
 CoE Focused on Skill
 Development Spurring
 Innovation
- Not-for-Profit Public Limited
 Company, National Skill
 Development Corporation
 (NSDC), Recognized for
 Excellence with Great Place to
 Work Certification
- 3-day Hands-on Training on cGMP commenced at IIIM Jammu
- Indian talent prove mettle everywhere, here to share India's skill success story: Jayant Chaudhary
- Budget Expectations: MSMEs want focus on skill development, better credit access, GST simplification
- India Showcases Vision for Skill Development and Innovation at World Economic Forum Annual Meeting 2025
- Union Ministers Pledge Full Support to Telangana's Skill Development and Food Processing Initiatives at WEF Davos

- Essential skills and strategies for young professionals in a tech-driven corporate landscape
- Post Graduate Teaching Department of Law, Nagpur University, organised a oneday skill development workshop
- Telangana Bridging Heritage and Innovation on the Path to Sustainable Development
- India ranks among the world's best in readiness for future indemand jobs
- India and Meta Collaborate for Skill Development
- India's Path to Economic Growth: Leveraging Skills and Infrastructure
- Skill development diploma course launched at Kodagu University
- <u>Empowering women: Unlocking</u>
 <u>opportunities</u> through skill
 <u>development</u>
- Skill development initiatives: Bridging the gap between education and employment

- Policymaking can't promise jobs, skill development is key: Priyank Kharge at ThinkEdu Conclave 2025
- <u>Government likely to boost employment-linked incentives, skill development, and infrastructure to tackle inflation: Deloitte</u>
- SB champions women entrepreneurship: Launches skill development program for 5,200 women
- <u>Govt must introduce incentives for</u> <u>Al research and development,'</u> <u>says Gaurav Sahay, Practice Head</u> <u>- Technology & General Corporate,</u> <u>Fox Mandal & Associates</u>
- Carrier India signs skills development deal
- THSC honors PM Vishwakarma
 & PMKVY 4.0 achievers at
 Gurugram
- <u>Tips to craft financially savvy</u> <u>skill development plans in</u> <u>India</u>
- The Role of the Training of Trainers (ToT) Program in Skill Development
- India and Tanzania Partner for Youth Skill Development
- Telangana and Singapore institute sign deal on skill development cooperation
- Odisha strengthens ties with ITEES Singapore for tech, skill development
- India-Korea Partnership Strengthens With Launch Of Strategic Initiative To Foster Skill Development And Innovation
- World Bank urges coordinated action on skills and employment for India's \$5 trillion economy goal

GLIMPSES

झलकियां





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

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हमें फ़ॉलो करें









(CSIR Integrated Skill Initiative)

Detailed Brochure

