

THE SCIENCE OF LAUNDRY

Practical Exposure and Learning

Date: 5th-06th August 2024 | Time: 2 PM to 4 PM
Venue: University Laundry

Resource Person

K Mehta
Laundry Manager



Organised by
Hospitality Horizon Club at
Chitkara College of Hospitality Management,
Chitkara University, Punjab.

CHITKARA UNIVERSITY



Centre of
Excellence for
Sustainability



6 CLEAN WATER AND SANITATION



Jul 2024 - Jun 2025



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Event Details	
Event Type	Workshop
Topic	The Science of Laundry- Practical Exposure & Learning
Date	2024-08-05 to 2024-08-08
Mode	Offline
Venue	Central Laundry, Boys Hostel
Organizer Name	Chitkara College Of Hospitality Management
No. of Participants	50
SDG No	SDG 6: Clean Water and Sanitation, SDG 7: Affordable and Clean Energy, SDG 12: Responsible Consumption and Production, SDG 13: Climate Action

Objective

1. To provide hands-on experience in large-scale laundry operations relevant to hospitality.
2. To offer insights into the latest technologies and equipment in modern laundry systems.
3. To emphasize the importance of hygiene, fabric care, and operational efficiency in laundry management.
4. To bridge the gap between theoretical knowledge and real-world applications for students.
5. To highlight the critical role of laundry services in upholding hospitality industry standards.

Description

From August 5th to 8th, 2024, students from Chitkara College of Hospitality Management visited the Central Laundry facility at Chitkara University, Punjab, gaining valuable insights into large-scale laundry operations, which are pivotal in the hospitality sector. The visit was guided by Mr. R.K. Mehta, an industry expert, who provided a detailed overview of the processes, challenges, and innovations in laundry management. This immersive experience allowed students to see firsthand the intricate systems behind handling, washing, drying, and sorting linens on a large scale, all while maintaining high standards of hygiene and fabric care. The excursion also introduced students to the latest laundry technologies and equipment, reinforcing the importance of operational efficiency, hygiene, and sustainability. They observed how advanced machines streamline the laundry process, ensuring that massive loads are managed effectively, which is essential

SDG 6 (CLEAN WATER AND SANITATION) JULY 24 – JUNE 25



in high-demand hospitality environments. Mr. Mehta's guidance on best practices emphasized the significance of meticulous care and maintenance of fabrics, key elements in extending the life of linens and maintaining the aesthetic quality expected in hospitality establishments. This practical exposure serves as a vital part of their curriculum, bridging the gap between theoretical knowledge and real-world applications. By witnessing the laundry's role in supporting overall guest satisfaction, students gained a deeper appreciation for behind-the-scenes operations that uphold hospitality standards. The experience reinforced their understanding of operational management and highlighted how laundry services contribute to the seamless functioning of the hospitality industry, ultimately preparing them for future roles in hospitality management.

Outcomes

1. Enhanced understanding of large-scale laundry operations in hospitality.
2. Familiarity with modern laundry technologies and equipment.
3. Improved awareness of hygiene, fabric care, and efficiency in laundry management.
4. Practical application of theoretical knowledge in a real-world setting.
5. Recognition of the importance of laundry services in maintaining hospitality standards.



Event Name: -	Germ Free Life-Sanitization Campaign
Venue: -	Chitkara School of Hospitality, Escoffier Block
Date: -	19 th August, 2024
SDG Number, Name and NEP: -	3: Good Health and Well Being, 6: Clean Water and Sanitation, NEP: - 1
Organized By: -	National Service Scheme, Chitkara University, Punjab
Number of Participants: -	10
Duration: -	One Day

DESCRIPTION

Hand sanitization is a fundamental aspect of hygiene in the hospitality industry. For hotel management students, mastering proper hand sanitization techniques is essential for ensuring guest safety, meeting health regulations, and maintaining the reputation of the establishment. Chitkara School of Hospitality in collaboration with National Service Scheme, Chitkara University organised a hand sanitization drive for the students of 5th Semester B.Sc. (H & Ha) on 19th August 2024. By integrating effective hand sanitization practices into their training and future operations, students can contribute to a safer and more welcoming environment for guests.





Report on Seminar

Chitkara College of Pharmacy, Chitkara University, Punjab conducted a National Seminar on **Industry-Academia Collaboration for Water Security** on August 31, 2024.

Prof. Narinder Singh has a PhD from GNDU and postdoctoral research at Osaka City University, Japan, followed by positions at Yonsei University, Korea, and Robert Gordon University, Scotland, UK. In 2009, he joined the Indian Institute of Technology Ropar (IIT Ropar) and is currently a Professor of Chemistry there. He served as the Department Chair from October 2011 to March 2015 and later as the Chair for the GATE Exam. Dr. Singh's research focuses on the synthesis of organic materials for chemosensors and engineering applications. He has completed numerous national and international projects. His prolific research output includes 335 papers published in international peer-reviewed journals, predominantly in the Royal Chemical Society and American Chemical Society publications. Additionally, he has mentored 18 PhD students, 5 postdoctoral fellows, and numerous MSc students.

Prof. Singh talked about the existing challenges of the 21st century from industrial, domestic, and agricultural waste which contribute to water pollution in abundance. He demonstrated advancements in nanoscale science and engineering that offer promising solutions to improve water quality. Innovations such as nanosorbents, nanocatalysts, bioactive nanoparticles, nanostructured catalytic membranes, and nanoparticle-enhanced filtration systems. He also elaborated the work of his research team in developing nanotechnology-derived products that have the potential to tackle various water contamination issues effectively. The nanomaterials act as high-capacity, recyclable ligands for toxic metal ions, radionuclides, and both organic and inorganic solutes and anions in aqueous solutions which provide a robust and sustainable approach to water purification. Prof. Singh also presented the role of nanomaterials in water purification and quality monitoring for both industrial and public water supplies which significantly mitigate the adverse impacts of water pollution and move towards a cleaner and safer aquatic system.

Prof.(Dr) Manmohan Chhibber is heading the Department of Chemistry and is also In charge of Sophisticated Analytical Instruments Laboratories in Thapar Institute of Engineering & Technology. He completed his PhD at Panjab University, Chandigarh, and Post Doc at IISc., Bangalore. Dr Chhibber has rich experience of the quality control unit of the Industry. He accomplished five projects sponsored by UGC, DST, DBT & BRNS.

Under his guidance, 7 scholars completed their PhD. To further enhance the research collaboration, he visited Trinity College Dublin, Ireland, University of Queensland.

Prof. Chhibber deliberated about Water Security - its understanding, multifaceted challenges & mitigation. Because water security is a crucial aspect of sustainable development, that involves ensuring that all individuals have access to sufficient, safe, and affordable water for various needs, while also maintaining the resilience of water systems against natural and human-induced challenges so he talked about its multifaceted challenges that compromise not only its quantity and quality but also the socio-economic and environmental impact. Dr Chhibber also emphasized mitigation strategies which are essential for enhancing water security, and innovative approaches such as integrated water resource management (IWRM), the adoption of new technologies for water conservation and purification, and suggestions for the implementation of robust policies and governance frameworks.

Dr Rajeev Kumar, Chairperson at the Department of Environment Studies, Panjab University, Chandigarh, is among the 2% scientists in the World ranking in the field of Environment Science (2022-23). He obtained his Ph.D degree in Chemistry from the Department of Chemistry, Panjab University, Chandigarh. His research work focused on the eco-friendly removal of environmental pollutants, specifically on the fungal remediation of recalcitrant compounds. Dr. Kumar is the recipient of research awards from the different funding agencies of the Government of India viz. Science and Engineering Research Board (SERB)- a statutory body of the Department of Science & Technology (DST) and University Grants Commission (UGC) for his research endeavors. He has also been the Project Director of the Indo-US Partnership on Green Chemistry/Engineering and Technologies Education, Research, and Outreach for Sustainable Development funded by UGC and the Ministry for Human Resource and Development (MHRD), India. He has published 72 International research papers in with more than 180 citations in the journal of international repute making his H-index of 24. Dr. Rajeev Kumar has visited several countries for his research work and has International collaborators from various countries including USA, Israel, Singapore, Vietnam, and Australia.

Dr. Kumar discussed sustainable development through the Green Synthesis of Nanomaterials to reduce the toxicity caused by chemical methods. There are extensive anthropogenic activities in the environment which has dragged the attention of researchers towards the mitigation measures in which a significant section is occupied by the nanomaterials. His research team has compared the Fe_3O_4 Nps synthesised by using scraps

of naturally corroded iron i.e. iron rust against Fe_3O_4 NPs synthesised by chemical precipitation method. The toxicity evaluation of well characterized Nps clearly demarcates the non-toxic nature of naturally derived Nps on bacterial population of *S. typhi*, *P. aeruginosa* and *E. coli* and fungal strain of *Laurilia taxodi*. The findings of this piece of work reveal that contrary to the chemical method, the naturally obtained NPs are environment-friendly, economically viable, and non-toxic.

Prof.(Dr.) Thakur Gurjeet Singh, Dean - CCP facilitated the guest speakers and encouraged the students & researchers to interact with the distinguished speakers on various aspects of water security for sustainable development in Pharmaceutical industries. In the end, Prof.(Dr.) Ashutosh Mishra, Dean, of Journalism & Mass Communication conducted a panel discussion with all the experts along with conveners - Prof.(Dr) Jyotsna Kaushal & Dr. Gagandeep Singh on WATER SECURITY which was later broadcast on Chitkara FM 107.8 to the surrounding community.



Project Title	Examining the Role of Mental Health, Hygiene and Nutritional Literacy in Schools and Universities
Date	September 2024 – September 2025
Venue	Chitkara University and Deen Dayal Upadhyaya (DDU) Gorakhpur University
Department	DRC-CSHS, Chitkara University and Department of Psychology, DDU Gorakhpur University
Project Team	Dr. Naveen Kumar, Associate Professor, Chitkara University, Co-Principal Investigator (Co-PI). Dr. Vismita Paliwal, Associate Professor, Department of Psychology, Principal Investigator (PI)
Number of Participants	5 (Project Team)
SDGs Covered	SDGs covered: 2, 3, 4, 6, 8, 11, 12, 13, 17
Duration	1 Year

About the Activity

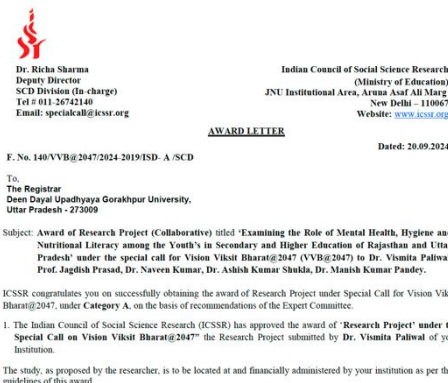
Chitkara University, in collaboration with DDU Gorakhpur University, is engaged in the **ICSSR-funded research project** titled “Examining the Role of Mental Health, Hygiene, and Nutritional Literacy in Schools and Universities.”. This project is funded under the Special Call for Vision Viksit Bharat@2047 by the Indian Council of Social Science Research (ICSSR), MoE, GOI, New Delhi [F. No. 140/VVB@2047/2024-2019/ISD-A/SC)].

The project is led by Dr. Vismita Paliwal, Associate Professor, Department of Psychology, DDU, as the Principal Investigator (PI), with Dr. Naveen Kumar, Associate Professor, Chitkara University, serving as the Co-Principal Investigator (Co-PI).

This research aims to explore the impact of mental health, hygiene, and nutritional literacy on students in schools and universities, assessing their role in academic performance, well-being, and overall development. The study seeks to provide valuable insights to educators, policymakers, and researchers to enhance youth well-being through evidence-based interventions.

Project Objectives

The project “*Examining the Role of Mental Health, Hygiene, and Nutritional Literacy in Schools and Universities*” aims to:



- **Assess the Impact:** Analyze how mental health, hygiene, and nutritional literacy influence students' academic performance, well-being, and personal development.
- **Promote Awareness:** Enhance knowledge and awareness among students, educators, and institutions regarding the importance of these factors.
- **Develop Policy Recommendations:** Provide evidence-based insights to support the formulation of policies that integrate mental health, hygiene, and nutrition into educational frameworks.
- **Strengthen Research & Collaboration:** Facilitate interdisciplinary research and institutional partnerships to foster long-term improvements in youth well-being.
- **Align with National Goals:** Contribute to Vision Viksit Bharat@2047 by addressing key areas that support a healthier and more empowered youth population.

Key Highlights

- **ICSSR-Funded Initiative:** Supported under the Special Call for Vision Viksit Bharat@2047, highlighting its national significance.
- **Collaborative Research:** A joint project between DDU Gorakhpur University and Chitkara University, led by Dr. Vismita Paliwal (PI) and Dr. Naveen Kumar (Co-PI).
- **Comprehensive Study:** Focuses on the role of **mental health, hygiene, and nutrition in shaping students' academic and personal growth.**
- **Interdisciplinary Approach:** Engages experts from psychology, education, public health, and policymaking to ensure well-rounded research.
- **Policy-Oriented Outcomes:** Aims to generate actionable insights to influence education policies and institutional practices.

Project Outcomes

1. **Enhanced Educational Frameworks:** Recommendations for integrating mental health, hygiene, and nutrition literacy into school and university curriculums.
2. **Improved Student Well-Being:** Strategies to foster healthier lifestyles and better mental health support systems in educational institutions.
3. **Stronger Institutional Collaborations:** Establishing networks between universities, research bodies, and policymakers for future initiatives.
4. **Publication & Knowledge Dissemination:** High-quality research papers and reports that contribute to academic and policy discussions.
5. **Contribution to Vision Viksit Bharat@2047:** Aligning research findings with national development goals for a healthier and more knowledgeable youth demographic.



Event Name	National Workshop on Innovative Ways to Optimise Wastewater Treatment for a Sustainable Tomorrow.
Date	11.09. 2024
Venue	Fleming Block
Organizer	Centre for Water Sciences
Resource Person	Dr. Jaspal Singh, Chief Scientific Officer, VALENCE labs Punjab Dr. Gajraj Singh Director Technical Services, 21st CENTURY ENVIRO ENGINEERS PVT. LTD.
Number of Participants	100
SDGs Covered	3,4,6,9
Duration	1 Day

About the Activity

One Day National Workshop on Innovative Ways to Optimise Wastewater Treatment for a Sustainable Tomorrow was conducted on September 11, 2024. The purpose of the workshop was to provide the young M.Parma students with a comprehensive platform to discuss and explore innovative approaches in the area of wastewater treatment with industry experts as there are many challenges in wastewater treatment for different industries nowadays. Therefore, the Center for Water Sciences, Chitkara College of Pharmacy (CCP), Chitkara University, Punjab invited industry persons who are leading in the area of Wastewater Treatment. Prof.(Dr.) Thakur Gurjeet Singh, Dean-CCP interacted with the industrial experts and expressed to demonstrate further students' exposure to the ETP of the industry for understanding the sustainable



CHITKARA UNIVERSITY

One-Day National Workshop on
**Innovative Ways to Optimise
Wastewater Treatment for
a Sustainable Tomorrow**

Resource Persons

Dr. Jaspal Singh
Chief Scientific Officer
Valence Labs, Punjab

Dr. Gajraj Singh
Director Technical
21st Century Enviro
Engineers Pvt. Ltd.

Date : 11th September, 2024
Time : 10:00AM Onwards

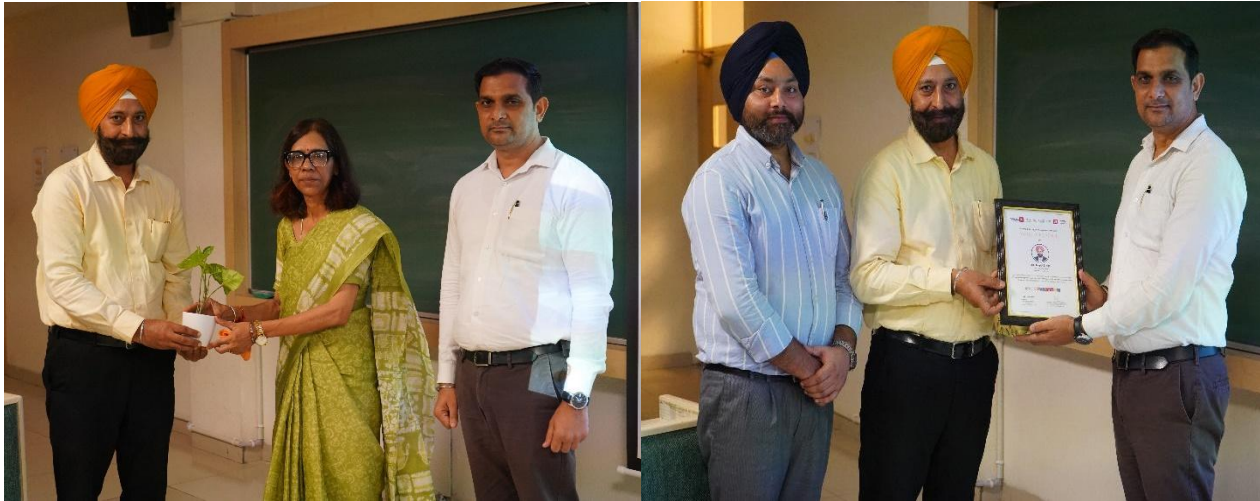
Convener & Chairman
Prof. (Dr.) Thakur Gurjeet Singh
Dean, Chitkara College of Pharmacy
Chitkara University, Punjab

Organising Secretaries
Dr. Jyotsna Kaushal
Professor, Centre for Water Sciences
(Research)Chitkara College of Pharmacy,
Chitkara University, Punjab

Dr. Gagandeep Singh
Associate Professor
Chitkara College of Pharmacy
Chitkara University, Punjab

Organised by Chitkara College of Pharmacy
Chitkara University, Punjab

development in wastewater treatment of Pharmaceutical industries. The National Workshop on Innovative Ways to Optimise Wastewater Treatment for a Sustainable Tomorrow aligns with Sustainable Development Goal 6 (SDG 6): Clean Water and Sanitation, by fostering collaboration between industry and academia. This event focuses on advancing wastewater treatment technologies through research-driven innovations and practical applications. By bringing together experts, it aims to develop cost-effective, efficient, and scalable solutions for wastewater management. The workshop promotes knowledge exchange, policy recommendations, and sustainable practices that improve water quality, conserve resources, and ensure equitable access to clean water, contributing to a sustainable future and achieving SDG 6.



Event Name	World Water Monitoring Day
Date	18 Sep to 20 Sep 2024
Venue	Online Mode
Organizer	Centre of Excellence for Sustainability
Participants	All
Number of Participants	25
SDGs Covered	SDG-6, SDG-13, SDG-15
Duration	3 days

About the Activity

The Reels Making Competition was organized by the Centre of Excellence for Sustainability at Chitkara University to commemorate **World Water Monitoring Day**. The event aimed to raise awareness about water conservation and the sustainable use of water resources through creative digital media. Participants, mostly students, were tasked with creating short, impactful reels that communicated the importance of water conservation and water monitoring. The competition served as a platform to inspire and promote judicious use of water among the younger generation, in line with global sustainability goals. The event was also aligned with the following UN Sustainable Development Goals (SDGs): SDG 6, SDG 13 and SDG 15. The poster invited creators to participate by submitting their reels through a submission link provided via a QR code.

The judges panel comprising of three extremely talented and professional artists of our campus – Mr. Swaranjeet Singh Sidhu (Director, Office of University Communication), Mr. Kunwardeep Singh Sarna (Assistant Director, Office of University Communication) and Ms. Nimisha Kapoor (Junior Executive, Office of University Communication).

Objective

The primary objective of this competition was to:

- Encourage participants to create engaging and informative reels with a maximum duration of 60 seconds.
- Highlight the importance of small, everyday actions in conserving water, which is one of our most precious natural resources.
- Raise awareness about water monitoring as a tool for conservation.



- Inspire others to join the cause of water conservation by spreading impactful messages through reels.

Key Features Promoted:

- The reels had to emphasize saving water and the wise use of water resources.
- Participants were encouraged to show how small actions can make a big impact on water conservation.
- Creativity and effectiveness in delivering the message were considered critical.

Submission and Judging

Participants were required to submit their reels through a digital platform by scanning the provided QR code. Each submission was reviewed by a panel of judges, who evaluated the reels based on the following criteria:

- **Relevance to the theme:** How well the reel conveyed the message of water conservation and monitoring.
- **Creativity:** The originality of the content and the innovative way in which the message was delivered.
- **Impact:** The emotional or motivational appeal that could inspire change in viewers.
- **Production quality:** The visual and audio quality of the reel, though not as heavily weighted as the content.

Conclusion

The Reels Making Competition was a resounding success, with a wide variety of creative submissions from the student body. The event not only highlighted the urgent need for water conservation but also encouraged students to take action and inspire others to do the same. The use of digital media allowed the message to reach a larger audience beyond the university, amplifying the impact of the competition.

By harnessing the power of creativity and social media, the event helped spread awareness about sustainable water use and monitoring, aligning with the university's commitment to promoting sustainability and environmental responsibility.



Detail of the Event/Session	
Date of the Event/Session	19 September 2024
Name of the Event/Session	Awareness Session on Sustainable Waste Disposal & Need for Cleanliness.
Resource Persons	Capt. Ravinder Singh (Sr. Administrative Officer) Capt. Pawan Kumar (Sr. Administrative Officer) Mr. Gurjit Singh (Sr. Administrative Officer) Mr. Rattandeep Singh (Administrative Officer) Mr. Mahendra Pratap Singh (Administrative Officer) Mr. Ravinder Singh (Administrative Officer)
Organised By	Office of Administration
Trainee Team/Count	Supporting Staff/250
SDG Covered	6,13,14,15

About the session

The **Office of administration** organised awareness session on sustainable waste disposal & need of cleanliness. In this session, all administrative officers awareness to the workforce regarding the waste disposal practices they should adhere to as per the laid standards organisation, how to effectively utilize resources, and the same played a very important role in protecting the environment. The sessions emphasized the need for cleanliness, need to maintain clean drinking water areas, cleanliness of water tanks, need to clear clogged and stagnant water at the earliest, discussed the ways to cultivate habits that keep surroundings tidy, and provided guidance on disposing of both biodegradable non-biodegradable waste responsibly.

They were made aware of the different types of wastes and the processes laid on campus for the disposal of each type of waste. It is the workforce that deals with the total waste generated in the campus, till the final disposal and hence it is very important that they should be aware of the



process. Further, most of these staff are from the local villages and hence awareness would help them to practice the correct disposal process at their residences also which could further lead to a cleaner society.



Event Name	Synergize Expertise: India Israel Water Research Initiatives
Date	26 th September, 2024
Venue	Chitkara College of Pharmacy, Chitkara University, Punjab
Organizer	Centre for Water Sciences
Resource Person	Dr. Ravid Levy, an expert in water, climate, and environmental innovation from Israel; Ms. Noa Amsalem from MASHAV; Ms. Shachaf Elia, Senior Water Resources Specialist, and Ms. Maya Shemran, innovation attaché at the Israeli Embassy in India
Number of Participants	20
SDGs Covered	3, 4, 6, 17
Duration	1 day

About the Activity

The ‘Synergize Expertise: Indian-Israel Water Research Initiatives’ event held on 26 Sept, 2024 at Chitkara College of Pharmacy, Chitkara University, Punjab, was a resounding success. This hybrid event featured a distinguished panel of speakers, including Dr. Ravid Levy, an expert in water, climate, and environmental innovation from Israel. He provides consulting services on water and cleantech industries, gave online presentation and discussed digital water, implementing AI & IoT for daily recording of water meters, and various other initiatives to save water and maintain a sustainable approach. Other notable delegates included Ms. Noa Amsalem from MASHAV, Ms. Shachaf Elia, Senior Water Resources Specialist, and Ms. Maya Shemran, innovation attaché at the Israeli Embassy in India. Their direct engagement with faculty members sparked key discussions on collaborative research and innovation in water management. The event fostered knowledge sharing and strengthened international partnerships, paving the way for future joint initiatives in water research. We eagerly anticipate continued collaboration.



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Synergize Expertise

India Israel Water Research initiatives



Speaker
Ravid Levy
Water, Climate
Environment innovation leader

26th September, 2024 | 9:30 AM Onwards
Venue: Martin Luther, 2nd Floor

Convener & Chairman
Prof. (Dr.) Thakur Gurjeet Singh
Dean
Chitkara College of Pharmacy
Chitkara University, Punjab

Organising Secretaries
Dr. Jyotsna Kaushal
Professor
Chitkara College of Pharmacy
Chitkara University, Punjab

Dr. Gagandeep Singh
Associate Professor
Chitkara College of Pharmacy
Chitkara University, Punjab

Organised by: Chitkara College of Pharmacy,
Chitkara University, Punjab, India





EVENT:	Lake Cleanup Awareness Drive		
Date / Time:	28 th Sept, 2024 / 5 pm Onwards	Mode:	Offline
Location / Link:	Village Jhansla, Rajpura Tehsil, Patiala District, Punjab		
Activity In-charge:	Mr. Manohar Lal		
No. of Participants:	14 cadets, 3 Faculty members with other participants		
SDGs Covered	4. Quality Education; 6. Clean Water and Sanitation; 13. Climate Action; 14. Life Below Water; 17. Partnership for the Goals		

Brief Description

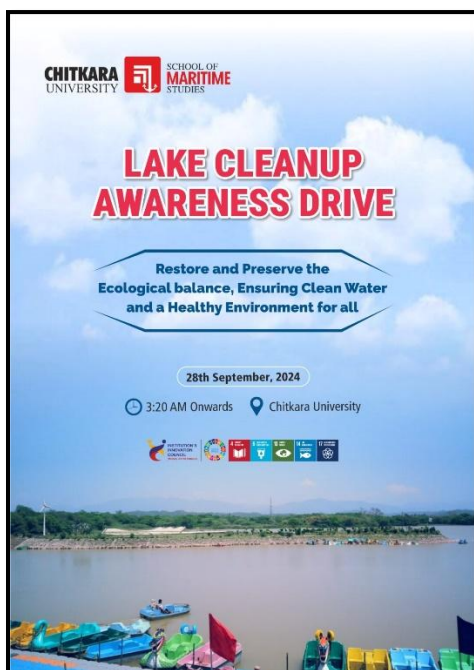
On September 28, 2024, the cadets of Chitkara University School of Maritime Studies (CUSMS) organized a **Lake Cleanup Campaign at Jhansla village**, in alignment with the Government of India's "Swachhata Hi Seva" initiative. The event commenced at 5 p.m. and brought together not only a group of highly motivated cadets, embodying the spirit of environmental responsibility and community service but also other on-lookers from around.

The cleanup campaign aimed to address the increasing pollution and waste accumulation in the village lake, which serves as a vital resource for the local population. Armed with trash bags, and a shared commitment to improving the environment, the CUSMS cadets worked tirelessly to remove debris, plastic waste, and other non-biodegradable materials that had accumulated around the lake and in its waters. Their efforts not only contributed to improving the aesthetic and environmental quality of the lake but also underscored the importance of preserving natural resources.

This initiative is part of a broader commitment by CUSMS to contribute to community welfare and sustainability efforts. The cadets, in addition to their maritime training, are actively involved in social responsibility projects that make a tangible difference in local communities. The event at Jhansla not only enhanced the cleanliness of the lake but encouraged other people to join in. It also raised awareness among the villagers about the importance of maintaining a clean and sustainable environment.

The "Swachhata Hi Seva" campaign, led by the Government of India, emphasizes cleanliness as a means of national service. The involvement of CUSMS cadets in this movement reflects the institute's dedication to instilling values of discipline, responsibility, and environmental stewardship in its cadets. Through this initiative, CUSMS continues to foster a sense of civic duty among its students, ensuring they are not only trained professionals but also responsible citizens who contribute to societal well-being.

Photos of the Event



Poster for the Event



Clean-up Drive on 28-Sep-2024





Cadets along with village people cleaning the surroundings on 28-Sep-2024



Cadets along with village people cleaning the surroundings on 28-Sep-2024



Cleanup operation underway on 28-Sep-2024

Event Name	One Day National Workshop on Ensuring Water Integrity- Quality Assessment & Monitoring.
Date	30 th September, 2024
Venue	Pierre Hall, Chitkara University, Punjab
Organizer	Chitkara College of Pharmacy
Resource Person	Dr Ajit Dua, Chief Executive Officer, Punjab Biotechnology Incubator and Director Punjab State Biotech Corporation, Department of Science, Technology & Environment, Government of Punjab
Number of Participants	120
SDGs Covered	3, 4, 6, 9
Duration	5 Hrs

About the Activity

The one day National Workshop on Ensuring Water Integrity, Quality Assessment, and Monitoring was organised by Chitkara College of Pharmacy (CCP), Chitkara University, Punjab on September 30, 2024. Dr Ajit Dua, Chief Executive Officer, Punjab Biotechnology Incubator and Director Punjab State Biotech Corporation, Department of Science, Technology & Environment, Government of Punjab addressed the students of M.Pharm (CCP) on the crucial aspects of assessment parameters in the drinking water. She began the session with an insightful discussion on Sustainable Development Goal (SDG) 6, focusing on ensuring the availability and sustainable management of water and sanitation for all. Key government initiatives and regional water supply schemes to improve water quality and accessibility were also discussed. Dr. Dua emphasized the importance of innovative mitigation technologies, including the use of reverse osmosis (RO) systems for treating contaminated water. She also explored the potential advantages of transitioning to canal water supply systems. The workshop provided valuable insights into current challenges and solutions related to water integrity and quality monitoring, benefiting all participants. Dr. Thakur Gurjeet Singh, Dean & Professor, facilitated Dr. Ajit Dua, and acknowledged her for interacting with staff & students on the implication of quality assessment and water monitoring.





Event Name	Innovation and Skill Development
Topic	Exploring Recent Trends and Innovations: A Site Visit to the 40MLD CETP L&T Construction
Date	2024-10-07 to 2024-10-07
Mode	Offline
Organizer Name	Mr. Sameer Malhotra
Resource Person	Jaswant Singh Larsen & Toubro Limited
No. of Participants	27
SDG No	6,9

Objective

- 1.Understand Advanced Treatment Technologies
- 2.Explore Sustainability Practices
- 3.Learn About Automation and Digitalization
4. Promote Environmental Responsibility

To educate students on how CETPs support water recycling, meet discharge standards, and promote sustainable industrial practices.

5. Discover Future Trends in Wastewater Treatment
6. Bridge Theory and Practice
7. Enhance Awareness of Industrial Challenges
8. Encourage Research and Innovation

Description

The Civil Engineering Department organized a visit to a Common Effluent Treatment Plant (CETP), providing students with an in-depth understanding of advanced wastewater treatment technologies and sustainable practices. Key topics covered during the visit included: Advanced Treatment Technologies: Insights into biological treatment, membrane filtration, and advanced oxidation processes for effective effluent management. Sustainability and Energy Efficiency: An overview of the plant's energy-efficient systems, including solar power utilization and energy recovery methods, aimed at reducing environmental impact. Automation and Digitalization:

Demonstrations of high-automation systems, real-time monitoring tools, and predictive maintenance processes that enhance operational efficiency and minimize errors. Environmental Responsibility: Discussions on how the CETP meets stringent discharge standards, supports water recycling for industrial reuse, and promotes sustainable practices. Future Trends: Exploration of innovations such as AI, machine learning, and ongoing research and development to advance treatment technologies. This visit provided students with practical exposure to modern wastewater treatment technologies and highlighted the critical role of sustainable practices in civil engineering. It served as an excellent platform for understanding industry trends, preparing students for real-world challenges, and reinforcing the importance of environmental stewardship.

Outcomes

1. Enhanced Understanding of Advanced Wastewater Treatment
2. Improved Knowledge of Sustainable Practices
3. Hands-on Experience with Automation and Monitoring Systems
4. Increased Awareness of Environmental Responsibility
5. Exposure to Future Trends in Wastewater Treatment
6. Bridging Theory with Practical Application
7. Strengthened Analytical and Problem-Solving Skills



Event Details

Event Type	Stustainable Development Goals
Topic	Swachhta Pakhwada
Date	2024-10-07 to 2024-10-10
Mode	Offline
Venue	Escoffier Block
Organizer Name	Chitkara College of Hospitality Management
No. of Participants	55
SDG No	SDG 6: Clean Water and Sanitation, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production

Objective

1. To promote awareness about cleanliness and hygiene among participants.
2. To encourage active participation in waste management and recycling.
3. To support and improve the well-being of sanitation workers.
4. To align with the Swachh Bharat Mission by fostering community involvement.
5. To instill a sense of responsibility for maintaining a clean environment.

Description

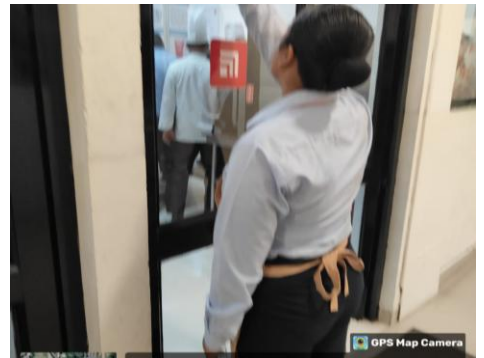
Cleanliness Campaign: SWACHHATA PAKHWADA Chitkara College of Hospitality Management, in collaboration with the National Service Scheme (NSS), Chitkara University, Punjab, organized a cleanliness campaign, “SWACHHATA PAKHWADA,” from October 7 to October 10, 2024. The campaign was held at the Escoffier Block from 9:00 AM onwards under the guidance of Ms. Anjali Xess and Mr. Parambir Singh. The campaign aimed to promote cleanliness, create awareness about hygiene, and enhance the well-being of sanitation workers. This initiative aligned with the broader Swachh Bharat Mission and reinforced the importance of maintaining a clean environment in the community. Throughout the four days, students and faculty members actively participated in various activities, including cleaning drives, waste segregation workshops, and awareness sessions on hygiene practices. Sanitation workers from the university and surrounding areas were also invited to participate and were appreciated for their vital contribution to society. Special sessions were conducted to educate participants about innovative waste management techniques, the importance of recycling, and the harmful effects of improper waste



disposal. The campaign also focused on addressing the challenges faced by sanitation workers and promoting their health and safety. The **SWACHHATA PAKHWADA** campaign successfully instilled a sense of responsibility among participants toward cleanliness and environmental sustainability. It also served as a platform to honor the efforts of sanitation workers while encouraging students to actively contribute to a cleaner and healthier community. The event concluded with a pledge to uphold cleanliness as a way of life.

Outcomes

1. Increased awareness among participants about cleanliness and hygiene practices.
2. Enhanced knowledge of waste segregation and recycling techniques.
3. Improved recognition and support for the efforts of sanitation workers.
4. Active participation in cleanliness drives and community initiatives.
5. Strengthened commitment to maintaining a clean and sustainable environment.



Event Name: -	Swachhata Pakhwada-Cleanliness Drive
Venue: -	Escoffier Block
Date: -	7 th to 10 th October, 2024
SDG Number, Name and NEP: -	6- Clean water and sanitation, 11-Sustainable cities and communities, and NEP: - 1
Organized By: -	National Service Scheme, Chitkara University, Punjab
Number of Participants: -	30
Duration: -	One Day

Chikara College of Hospitality Management in collaboration with National Service Scheme, Chitkara University, Punjab organised a cleanliness campaign SWACHHATA PAKHWADA from 7th to 10th October 2024 at Escoffier Block from 9 am onwards under the supervision of Ms Anjali Xess and Mr Parambir Singh. With the aim of achieving this objective and improving the well-being of sanitation workers.

Objectives

Awareness Raising: Educate communities about the importance of cleanliness and sanitation.

Community Participation: Engage citizens, local bodies, and organizations in cleanliness drives and activities.

Behaviour Change: Encourage individuals to adopt better hygiene practices and maintain cleanliness in their surroundings.

Waste Management: Promote proper waste disposal, segregation, and recycling to reduce environmental pollution.

Public Health Improvement: Reduce the spread of diseases linked to poor sanitation and hygiene.

Sustainable Practices: Encourage the adoption of sustainable sanitation practices in households and communities.

Learning Outcomes

Health Benefits: Reduction in waterborne diseases and other health issues related to poor sanitation practices.

Capacity Building: Strengthened skills among participants for organizing and leading cleanliness drives and awareness campaigns.

Improved Sanitation Practices: Communities will implement and maintain effective waste management systems and sanitary facilities.



Event Name	First International Conference on Smart Computing and Communication for Sustainable Convergence (ISCCSC-2024)
Date	18 October 2024
Venue	Pierre Hall, Le Corbusier Block
Department	Centre for Research Impact and Outcome (CRIO)
Resource Person	Dr. Brinda V (ISRO), Dr. Sanjeev Kumar (Principal Scientist in Biomedical Applications), Dr. Jyoteesh Malhotra (NIT Delhi), and Dr. John Jose
Number of Participants	
SDGs Covered	All SDG's
Duration	2 Hrs.(approx.)

About the Activity

The **First International Conference on Smart Computing and Communication for Sustainable Convergence (ISCCSC-2024)** was organized to bring together researchers, academicians, and industry experts to discuss advancements in smart computing, communication, and sustainable development. The event fostered knowledge exchange, collaboration, and innovation to address global challenges in these fields.

Workshop Objectives

- **Raising Awareness:** To highlight the importance of smart computing and sustainable communication technologies in addressing real-world challenges.
- **Knowledge Sharing:** To provide a platform for experts to share cutting-edge research, emerging trends, and technological innovations.
- **Industry-Academia Collaboration:** To bridge the gap between academia and industry by fostering meaningful discussions and partnerships.
- **Action Planning:** To develop actionable strategies that encourage innovation and research-driven solutions for sustainable convergence.
- **Conclusion and Q&A:** The conference concluded with a summary of key discussions, followed by an interactive Q&A session where participants engaged with experts to further enrich their understanding.

ISCCSC-2024 was a significant step toward fostering innovation in smart computing and sustainable communication. By facilitating expert discussions and collaborative engagements, the conference contributed to advancing research and industry applications in these domains.

The organizers express their gratitude to all participants and look forward to continued efforts in this field.

Next Steps

Participants are encouraged to remain engaged, apply their learnings, and contribute to ongoing research and development efforts. Follow-up meetings, research collaborations, and project discussions will be scheduled to ensure continued progress and knowledge exchange.

Key Highlights

- **Expert Talks:** Distinguished speakers, including Dr. Brinda V (ISRO), Dr. Sanjeev Kumar (Principal Scientist in Biomedical Applications), Dr. Jyoteesh Malhotra (NIT Delhi), and Dr. John Jose (IIT Guwahati), shared insights on the latest advancements in smart computing and communication.
- **Networking Sessions:** The conference provided opportunities for researchers, academicians, and industry professionals to connect, fostering collaborations for future projects.
- **Workshops and Technical Sessions:** Sessions on emerging topics, such as AI-driven communication, IoT, cybersecurity, and green computing, allowed participants to gain hands-on knowledge and insights from experts.
- **Panel Discussions:** Experts, industry leaders, and academicians engaged in discussions on the role of sustainable technologies in shaping future innovations. Themes included policy frameworks, industry-academia partnerships, and ethical considerations in AI and communication technologies.

Workshop Outcomes

- **Increased Awareness:** The event successfully highlighted the importance of sustainable computing and communication in driving innovation and addressing global challenges.
- **Actionable Knowledge:** Participants gained practical insights, research findings, and strategies to implement in their respective fields.
- **Future Collaboration:** New research collaborations and industry-academic partnerships were formed, laying the groundwork for future initiatives in sustainable computing and communication.



**1st International Conference on
Smart Computing & Communication for Sustainable Convergence**
ISCCSC 2024

On 18th October, 2024
Hybrid Mode (In-Person and Online)

Hosted by: Chitkara University, Punjab
and California State University, Fullerton, US

TRACKS

- Smart Computing**
 - Artificial Intelligence
 - Data Mining and Text Mining
 - Machine Learning
 - Internet-of-Things (IoT)
- Sustainable communication**
 - Emerging communication protocols
 - Beyond 5G and 6G
 - Intelligent Reflecting surfaces
 - Mobile Technologies
 - 5G/6G Communication Networks
- Technological Convergence and Applications**
 - Convergence of multiple technologies for new network solutions
 - Intelligent communication for Convergence
 - Hybrid Information Technology
 - Pervasive/Ubiquitous computing and systems
- Inspiring Technology Solutions for Sustainable Technologies**
 - Smart and Micro Grids
 - Bio inspired Robotics
 - Electric vehicles
 - Industrial and home applications

IMPORTANT DATES

Submission starts	Registration Open	Conference date
18th May, 2024	10th May, 2024	18th October, 2024
Paper Submission Closes	Registration Closes	
18th September, 2024	18th September, 2024	

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PUBLICATIONS PARTNERS
Routledge, CRC Press, Taylor & Francis Group

Organised by Centre for Research Impact and Outcome, Chitkara University, Punjab, India

Website: www.isccsc.org

Glimpse of the Event



SDG 6 (CLEAN WATER AND SANITATION) JULY 24 – JUNE 25

Sustainability fair report (CCP, Stall no. 2- October 24):

Chitkara University, Punjab organized SUSTAINABILITY FAIR to celebrate United Nations Day on October 24 in which different schools exhibited their activities based on 17 Sustainable Development Goals (SDG). Chitkara College of Pharmacy (CCP) showcase departmental activities to represent SDG 3 & 6 under the leadership of Professor & Dean, Dr Thakur Gurjeet Singh.

The focussed area in SDG 3 was impactful initiatives of department such as free health camps in adopted villages, where essential medical services are provided to the community, and awareness sessions on health and wellness. The students of CCP under the mentorship of Dr. Rajwinder Kaur, also emphasized environmental efforts, including tree plantation drives and cleanliness drives, aimed at promoting sustainable practices. This participation underscored the department's dedication to fostering health, environmental sustainability, and community welfare, aligning with SDG 3.

SDG 6, was highlighted with awareness in water testing to nearby villages of Chitkara Campus, Rajpura which include school students, community people. The distributed low cost earthen pot to community was also demonstrated. The research activities to treat wastewater using eco - friendly approach was explained by JRF under the guidance of Dr Jyotsna Kaushal & Dr Gagandeep Singh. Faculty (of Global week) from Spain showed keen interest of low-cost water filtration unit.

Pro Chancellor madam also appreciated the efforts of CCP for its contribution towards SDG 3 & 6.



Event Name	LET'S GET SET ...GO....TO THE SUSTAINABILITY FAIR
Date	24 th October, 2024
Venue	Alpha Zone
Organizer	Centre of Excellence for Sustainability -CES, Chitkara University, Panjab
Resource Person	Academic and Non-academic Team, DoE, Chitkara University
Number of Participants	47
SDGs Covered	1 to 17
NEP 2020	11.7
Module	All Twelve Modules
Duration	One -day

About the Activity

Centre of Excellence for Sustainability -CES, Chitkara University, Punjab hosted a fair with the theme ***“LET'S GET SET ...GO....TO THE SUSTAINABILITY FAIR”*** on 24th October, 2024. The objective of the event was to highlight contributions of each department of the university towards UN SDGs.

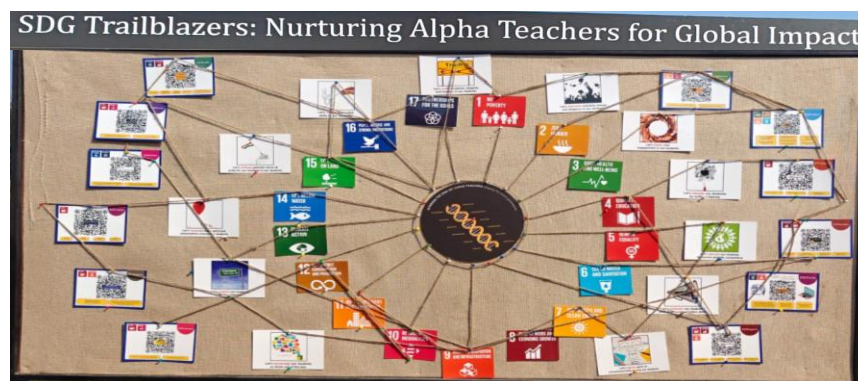
The Department of Education, Chitkara University had the opportunity to exhibit posters and infographics on a variety of scholastic and co-scholastic activities incorporated into its curriculum to positively impact the achievement of the UN Sustainable Development Goals



under the theme, ***“SDG Trailblazers: Nurturing Alpha Teachers for Global Impact”***. An

infographic with four layers in the shape of a wheel displayed the twelve B.Ed. course modules in the centre, followed by circles of the UN SDGs, the Chitkara University Charter and the evidences of various activities conducted by the department in the form of QR codes formed the outer layers. A web of interrelated themes and practices eventually became self-explanatory, showing how the B.Ed. curriculum encourages activities related to the UN SDGs. To name a few, these activities include action research, the creation of comic strips for young readers, online content development, project work, integrating these goals with lesson plans, creating picture books for the students, and using teacher Excel sheets to get involved with the cause. Moreover, the fair got its allure with games like ‘Jigsaw Puzzle’ and ‘Snakes and Ladder’.

It was all the more inspiring when **Dr Madhu Chitkara, Hon’ble Pro Chancellor, Chitkara University**, encouraged and appreciated the efforts of each member of the department. Dr Sangeeta Pant, Dean, Department of Education, Chitkara University, applauded the endeavours of the faculty and Dr Parul Sood, Assistant Dean, Department of Education, Chitkara University appreciated the team spirit of the faculty. Overall, it was a great learning experience for the faculty and the students.



Name of Activity	UN DAY 2024 CELEBRATIONS
Name of Organizing Institute	Centre of Excellence for Sustainability in collaboration with Go Global
Mode	Offline
Date	24 Oct 2024
Duration	One Day
Venue:	Alpha Zone and Exploratorium
SDG	All SDGs

United Nations Day is an **annual commemorative day** that reflects the official creation of the United Nations on October 24, 1945.

The UN DAY 2024 was celebrated at CHITKARA UNIVERSITY, Punjab, India with a lot of pomp and splendor!!

On **24th October 2024**, the Centre of Excellence for Sustainability of Chitkara University, Punjab Campus, celebrated **UN Day**. The celebrations, as designed by the Centre, under the Chairmanship of **Sqn Ldr (Dr) Rina Angel** included a **Sustainability Fair, a Fireside chat and some cultural performances** with a cross-cultural understanding, sustainability awareness, and institutional growth.

This UN Day celebrations marked yet another milestone in the university's commitment to global citizenship, cultural understanding, and sustainability.

• **Highlight the Importance of UN Day and SDGs Awareness**

Described the significance of UN Day and the university's commitment to the United Nations' Sustainable Development Goals (SDGs), underlining the necessity of educating students on global issues related to sustainability.



- **Document the Fashion Show as a Creative Expression of the SDGs**

Provided insights into the fashion show's theme centered around the 17 UN SDGs, showcasing how students used fashion as an innovative medium to raise awareness on each goal.

- **Showcase Sustainability Initiatives at the Sustainability Fair**

Summary of the Sustainability Fair, with nearly 40 stalls, that presented ideas, projects, and actions related to sustainability. Detail the participation of various colleges, schools, and departments in demonstrating their commitment to environmental conservation.

- **Acknowledge the Leadership and Inauguration by Dr. Madhu Chitkara**

Emphasized the role of Dr. Madhu Chitkara, Pro Chancellor of Chitkara University, in supporting and encouraging sustainability initiatives by inaugurating the fair and engaging with participants at each stall.

- **Promote a Campus-Wide Commitment to Green Practices**

Captured the event's objective of fostering a culture of environmental consciousness across the campus, highlighting collaborative efforts by students, staff, and faculty in contributing to a greener Earth.

- **Encourage Further Engagement in Sustainability Efforts**

Inspire the campus community and external readers to engage with and support sustainability efforts, emphasizing the impact of individual and collective actions toward achieving the UN SDGs.

- **Celebrate the Event's Success and Impact on the Campus Community**

Reflect on the success of the UN Day Celebration, capturing feedback from participants, the impact of the event on attendees, and future plans to continue promoting sustainable practices across the university.

Guidelines for Setting Up Stalls

As part of our commitment to sustainability, all stalls must focus on eco-friendly themes. Stall can include:

- Selling sustainable merchandise (eco-friendly products, upcycled items) -



CHITKARA UNIVERSITY  **CHITKARA UNIVERSITY**  Centre of Excellence for Sustainability

STALL AT SUSTAINABILITY FETE

Topic	Sustainability Stalls
Date	24th October, 2024
Venue	Beta & Delta Ground
SDG	8, 9 & 12
Time	09:30 AM – 4:00 PM

Deadline: 21st October



Click / Scan the QR for Registration & Payment

Organised by: Centre of Excellence for Sustainability

- Hosting activities that promote sustainability (workshops, demonstrations)
- Offering products or services that contribute to sustainable living (e.g., zero-waste solutions, renewable energy products)

To ensure a smooth experience, we had outlined a few key guidelines for the event:

- **Booking and Payment:** Confirm availability and eligibility with the event organizer before making any payments.
- **Setup and Presentation:** Stalls should use minimal and sustainable materials for decoration.
- **Waste Management:** Stallholders are responsible for managing waste sustainably, with proper segregation.
- **Electricity Usage:** Please use electricity responsibly and avoid high-power-consuming equipment unless approved in advance.

A VISIT TO THE SUSTAINABLE STALLS



At the Sustainability fair, with nearly forty stalls overflowing with ideas and actions undertaken on Sustainability, it was a fair that was one of its kind, where all colleges, schools and departments of the Campus showcased their contributions towards keeping the Earth Green! Hon'ble and Revered Pro Chancellor of Chitkara University, the very elegant Dr. Madhu

Chitkara, inaugurated the Fair and was at each stall to encourage the students, staff and faculty. As always, she patiently understood what each contribution was, and shared her thoughts on how they could contribute even better and other ideas that they could work on!! She encouraged each participant to continue to work as passionately as they were towards the noble cause of staying green.



Dr. Sumit Chowdhury, Founder and CEO of GreenEarthX also visited all the stalls. While he interacted with all the students as they explained their projects, he went on and tried many of the projects created by the students, appreciated research projects, happily availed some of the health checkups at the Fair, and understood the efforts of Infrastructure operations.

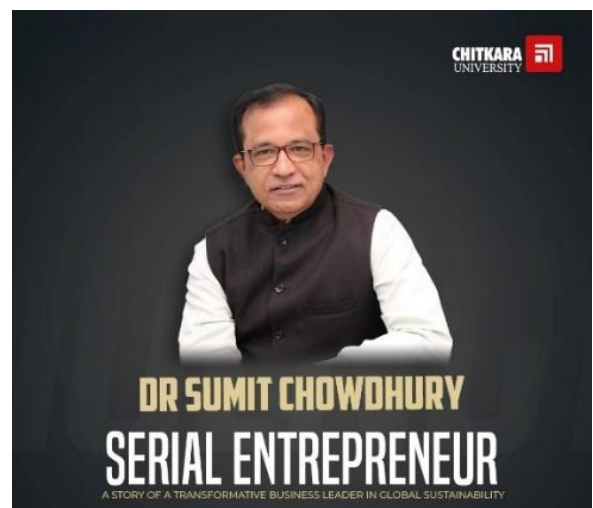
Students, faculty and staff from all colleges and schools visited the Fair and so did the International Faculty of Global Week. Students presented innovative projects and ideas, with startups rooted in sustainability principles joining the event. One team performed a nukkad naatak, while several departments organized games to creatively promote the message of sustainability.





FIRESIDE CHAT

A fireside chat featuring **Dr. Sumit Choudhary**, Founder and CEO of GreenEarthX and a serial entrepreneur in Global Sustainability moderated by our esteemed Vice Chancellor, **Dr. Sandhir Sharma**, delved into global trends, sustainability, and the crucial role of educational institutions in advancing the UN Sustainable Development Goals (SDGs). This insightful conversation, which was attended by our students and faculty, including the international faculty who are on campus as part of the Global Week, emphasized the power of education in driving transformative change.





FASHION SHOW



The event then transitioned to an impactful fashion show themed around the 17 UN SDGs. Each ensemble illustrated the significance of these goals, while also addressing the dire consequences of neglecting them. This visual presentation, where models of Panache from the Office of Student Affairs worn costumes created from discarded clothes by the School of Fashion Design captivated the audience with its thought-provoking portrayal of environmental and social responsibility.



A VISIT TO THE YELLOW POINT FARM



In the visit to the Yellow Point Farm by Dr. Sumit Chowdhury, the officials showcased the different sustainability ventures (more than a dozen ventures) including Miyawaki forest, biogas plant, mushroom production, organic farming, mechanised decomposer, vermicomposting pits, the STP plant, and much more.



INAUGURATION OF CENTRE OF EXCELLENCE FOR SUSTAINABILITY



Dr. Sumit Chaudhary inaugurated the newly established Centre of Excellence for Sustainability, a pioneering initiative aimed at advancing research, innovation, and practical solutions in sustainable development.



Event Name	Pre-conference Webinar on Materials Engineering for Chemical Sensing and Organic Pollutant Degradation
Date	3 rd February 2025
Venue	GMeet
Department	Centre for Research Impact and Outcome
Resource Person	Dr. Pooja Devi, Principal Scientist, CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India
Number of Participants	146
SDGs Covered	SDG 6, 13
Duration	2:00 Hrs.

About the Activity

This pre-conference webinar will discuss Materials Engineering for Chemical Sensing and Organic Pollutant Degradation because it plays a crucial role in developing chemical sensors and methods for degrading organic pollutants. Specific materials, like metal-organic frameworks (MOFs) and carbon-based materials, are being explored for their ability to detect and remove pollutants from water and the environment. Further, this webinar discusses the advancement in tools and techniques used to identify the pollutants in water and the environment.

Webinar Objectives

- Explore the Advances in the degradation processes of organic pollutants.
- Emerging trends of chemical sensing
- Advanced Characterization Techniques

Webinar Outcomes

- Discussed the Organic Pollutant Degradation processes.
- Examined key trends in Materials Engineering for Chemical Sensing.
- Learning and knowledge are exchanged.



CHITKARA UNIVERSITY **CRU** **CHITKARA UNIVERSITY PUBLICATIONS** **ICAMSF-2025**

Pre-conference* webinar on

Materials Engineering for Chemical Sensing and Organic Pollutant Degradation

Date : 3rd February, 2025
Time : 11:30 AM Onwards
Mode : Online

Organising Committee Members

- **Prof. Amit Mittal**
Pro-Vice Chancellor
Research Programs
Chitkara University, Punjab
- **Dr. Jitendra Kumar Katiyar**
Assistant Professor
Centre for Research Impact and Outcome
Chitkara University, Punjab
- **Dr. Seema Singh**
Associate Professor
Centre for Research Impact and Outcome
Chitkara University, Punjab
- **Dr. Ankit Sharma**
Associate Director (Research)
Centre for Research Impact and Outcome
Chitkara University, Punjab

Registration Fee: Free
E-certificates will be provided to attendees

***1st International Conference on Advanced Materials for Sustainable Future (ICAMSF-2025)**
28th - 29th March, 2025

Organised by
Centre for Research Impact and Outcome
Chitkara University, Punjab

Dr. Pooja Devi
Principal Scientist
CSIR-Central Scientific Instruments Organisation
(CSIR-CSIO) Chandigarh
India



Event Name	International Conference on Mental Health, Hygiene and Nutritional Literacy among Youth
Date	8-9 February 2025
Venue	DDU Gorakhpur University
Department	DRC- Health Sciences and Department of Psychology
Project PI and Co-PI	Dr. Vismita Paliwal, Associate Professor, Department of Psychology, DDU, Principal Investigator (PI), Dr. Naveen Kumar, Associate Professor, Chitkara University, Co-Principal Investigator (Co-PI).
Number of Participants	100
SDGs Covered	SDGs covered: 2, 3, 4, 6, 8, 11, 12, 13, 17
Duration	2 days

About the Activity

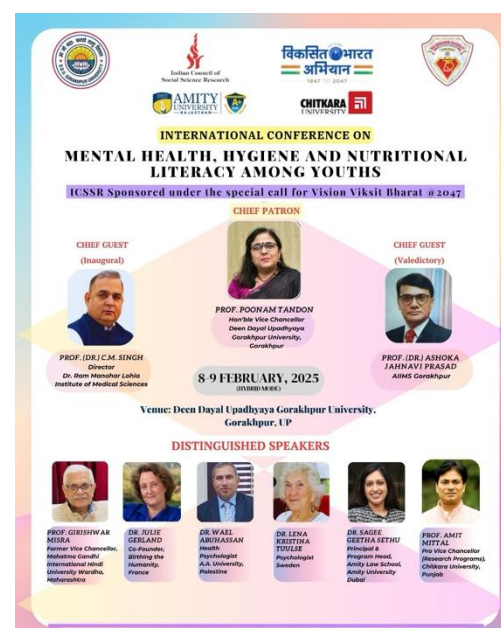
Chitkara University, in collaboration with DDU Gorakhpur University, received an ICSSR-funded project under the **Special Call for Vision Viksit Bharat@2047**. The project is led by Dr. Vismita Paliwal, Associate Professor, Department of Psychology, DDU, as the Principal Investigator (PI), with Dr. Naveen Kumar, Associate Professor, Chitkara University, serving as the Co-Principal Investigator (Co-PI).

As part of this initiative, the collaborating institutions jointly organized the **International Conference on Mental Health, Hygiene, and Nutritional Literacy Among Youths at DDU Gorakhpur University on 8-9 February 2025**. The conference served as a platform for experts, researchers, and policymakers to discuss the critical intersections of mental health, hygiene, and nutrition, emphasizing their role in youth development and national progress.

Conference Objectives

The conference aimed to:

- **Raise Awareness:** Educate youths on the importance of mental health, hygiene, and nutritional literacy.
- **Promote Research and Collaboration:** Encourage academic discussions and research on youth well-being in alignment with **Sustainable Development Goals (SDGs)**.



- **Engage Stakeholders:** Involve educators, policymakers, and healthcare professionals to develop strategies for promoting holistic well-being.
- **Support Vision Viksit Bharat@2047:** Contribute to India's long-term development goals by fostering a healthier, more informed youth population.

Key Highlights

- **Inaugural Session:**

- **Hon'ble Pro Chancellor, Prof. Madhu Chitkara**, emphasized the role of youth in nation-building and the need for awareness on mental health, hygiene, and nutrition.
- **Prof. Amit Mittal, Pro-Vice Chancellor**, delivered the keynote address, highlighting how the conference aligns with SDGs and sustainable health initiatives.



- **Expert Participation and Engagement:**

- Dr. Naveen Kumar, Co-Principal Investigator, attended the conference in person and extended gratitude to DDU Gorakhpur University for hosting the event.
- Prof. (Dr) Sonika Bakshi Bhandari and Dr. Pooja Dogra served as advisory board members and joined the discussion virtually, adding valuable insights on the research focus areas.
- **Collaborative Research and Knowledge Exchange:**
- Scholars and experts from various institutions engaged in discussions, paper presentations, and panel sessions addressing mental health, hygiene, and nutritional literacy challenges among youth.

Conference Outcomes

1. **Increased Awareness:** The event successfully disseminated crucial information on youth well-being and its impact on national development.
2. **Strengthened Academic Networks:** It fostered collaborations between institutions, policymakers, and healthcare professionals for future research initiatives.
3. **Policy Recommendations:** Key insights were shared with government bodies to enhance youth-centered health and education policies.
4. **Commitment to Holistic Development:** Chitkara University reaffirmed its dedication to impactful research, education, and community well-being, reinforcing its commitment to nation-building through youth empowerment.



EVENT DETAILS	
EVENT TYPE	ENTERPRENEURSHIP
TOPIC	IDEA IMMERSION - IDEATHON
DATE	2025-02-27 to 2025-02-28
MODE	OFFLINE
ORGANIZER NAME	DR AMIT KUMAR, ASSISTANT PROFESSOR DECE, DR GAURAV SHARMA, ASSOCIATE PROFESSOR DECE
RESOURCE PERSON	DR ADARSH AGGARWAL, VICE PRESIDENT, CIIF DR AMIT KUMAR, ASSISTANT PROFESSOR, DECE
NO. OF PARTICIPANTS	36
SDG NO	3,6,7,9,13

Objective

- To encourage students to think creatively and develop innovative solutions to real-world problems in electronics and communication engineering.
- To provide a platform for participants to apply technical knowledge and critical thinking to address contemporary challenges.
- To facilitate teamwork and interdisciplinary collaboration among students to develop well-rounded solutions.
- To help participants refine their idea pitching and presentation skills through the 120-second spotlight challenge.

Description

The Electronique Design Centre of the Department of Electronics and Communication Engineering at Chitkara University, Punjab, successfully hosted "Idea Immersion - Ideathon", a dynamic two-day event on 27-28 February 2025. Designed to spark innovation and cultivate problem-solving skills among students, the ideathon provided a platform for budding engineers to explore cutting-edge ideas in electronics and communication technologies. The first day began with an engaging Masterclass on Idea Immersion by Dr Adarsh Aggarwal, who shared invaluable insights on transforming abstract concepts into viable solutions. Participants learned essential techniques for brainstorming, refining ideas, and presenting



CHITKARA UNIVERSITY

IDEA IMMERSION-IDEATHON

Resource Person
Dr. Adarsh Aggarwal
Vice-President, CIIF
Chitkara University, Punjab

Faculty Coordinator
Dr. Amit Kumar
Asst. Professor, DECE
CIIF, Chitkara University Punjab

Dr. Gaurav Sharma
Associate Professor, DECE
CIIF, Chitkara University Punjab

Convener
Dr. Shivani Malhotra
Dean, DECE
CIIF, Chitkara University Punjab

Dr. Ishu Gupta
Associate Head, DECE
CIIF, Chitkara University Punjab

Dr. Rubina Dutta
Associate Head, DECE
CIIF, Chitkara University Punjab

Schedule
27 Feb: Masterclass on Idea Immersion
28 Feb: The 120-second spotlight

27th - 28th February, 2025
🕒 10:00 AM - 3:00 PM
📍 B009, Edison Block Basement

Organised By:
Department of Electronics and Communication Engineering
CIIF, Chitkara University Punjab

Win Exciting Cash Prizes Worth Up to ₹5000/-

Registration fee: INR 500/- per student

Scan QR Code for Theme and Registration

them effectively, with a strong emphasis on creativity, critical thinking, and persuasive communication. The session set the stage for students to develop well-structured proposals, equipping them with the tools needed to excel in the competitive pitching round. Day two elevated the excitement with the 120-second Spotlight, the event's flagship segment. Here, teams delivered concise yet impactful pitches, presenting their innovative solutions to a distinguished panel of judges. The fast-paced format tested participants' ability to communicate complex technical ideas clearly and compellingly within a tight timeframe. The competition highlighted exceptional talent, with students demonstrating not only technical expertise but also ingenuity in addressing real-world challenges. The ideathon culminated in a celebratory awards ceremony, where the top performers were recognized for their outstanding contributions. Piyush Verma (Team Lead, Future Forge) emerged as the winner, impressing the jury with a groundbreaking concept. The first runner-up position was secured by Team Triple A—Arnav Sharma, Abhayraj Singh, and Aditya Sood—while Team M2.5, comprising Kavin Thakur and Hardik Thapar, earned the second runner-up** title. Beyond competition, the event fostered collaboration, critical thinking, and hands-on learning, reinforcing Chitkara University's commitment to nurturing future-ready engineers. By bridging classroom knowledge with real-world problem-solving, the Idea Immersion - Ideathon left participants inspired, equipped with new skills, and motivated to drive technological advancements in their field.

- Participants generated a variety of creative and technically sound ideas, showcasing their potential to drive technological advancements.
- Students gained hands-on experience in idea generation, problem-solving, and effective communication through workshops and pitching sessions.
- Winners and participants received recognition for their efforts, boosting their confidence and motivation to pursue innovative projects.
- The event provided a platform for students to interact with industry experts, faculty, and peers, fostering a culture of knowledge-sharing and collaboration.



EVENT DETAILS	
EVENT TYPE	ENVIRONMENT OR GREEN INITIATIVE
TOPIC	POSTER MAKING AND SLOGAN WRITING COMPETITION
DATE	2025-03-04 to 2025-04-24
MODE	OFFLINE
VENUE	LH- 205, IIND FLOOR (MARTIN LUTHER BLOCK)
ORGANIZER NAME	CHITKARA BUSINESS SCHOOL
NO. OF PARTICIPANTS	75
SDG NO	SDG 6: CLEAN WATER AND SANITATION, SDG 11: SUSTAINABLE CITIES AND COMMUNITIES, SDG 13: CLIMATE ACTION, SDG 14: LIFE BELOW WATER, SDG 17: PARTNERSHIP FOR THE GOALS

OBJECTIVE

- **Raise Awareness:** To increase student awareness about critical water management and sustainability issues, especially concerning the Ganga River.
- **Promote Creative Engagement:** To encourage students to creatively express their understanding of water conservation through poster making and slogan writing.
- **Foster Community Involvement:** To engage the academic community in the Namami Gange mission and promote a sense of responsibility towards water resource preservation.

- **Recognize and Reward Action:** To acknowledge and reward student contributions through the Ganga Champions Award, thereby motivating continued engagement in water sustainability efforts.

DESCRIPTION

The Faculty of Economics, in collaboration with the National Mission for Clean Ganga (NMCG) under the Ministry of Jal Shakti, is launching "Connecting Communities for Water Management and Sustainability: A Namami Gange Initiative." This initiative aims to raise awareness and promote action towards water conservation and river rejuvenation. The first event in this series is a "Poster Making and Slogan Writing Competition" scheduled for March 4th, 2025, at 1:30 PM in LH-205, Martin Luther Block. Students are invited to participate, bringing their own materials. The competition focuses on themes like Water Management and Sustainability, Climate Change, Ecological Harmony, and Water Harvesting, or any related topic. Participants will create posters or write slogans for submission. The presentation of the posters was held on April 24th, 2025. Students from B.A. Economics (Data Science & AI) - Batch 2023 & 2024 took the lead in fostering awareness on crucial water management and sustainability issues within the communities of Jhansla and Thuha villages. Thought-provoking poster presentations visually communicated key issues, while impactful awareness slogans left a lasting impression. Winners will receive the prestigious Ganga Champions Award from the Ministry of Jal Shakti. This event marks the beginning of a series aimed at engaging communities in the vital mission of preserving our water resources.

OUTCOMES

- **Enhanced Understanding of Water Issues:** Students will gain a deeper understanding of water management, sustainability, climate change, and ecological harmony.
- **Improved Communication and Creative Skills:** Participants will develop their ability to communicate complex environmental concepts through visual art (poster making) and concise messaging (slogan writing).
- **Increased Awareness of Civic Responsibility:** Students will become more aware of their role in environmental stewardship and the importance of community involvement in addressing water-related challenges.
- **Exposure to Government Initiatives:** Participants will learn about the National Mission for Clean Ganga (NMCG) and the Ministry of Jal Shakti's efforts, fostering an understanding of governmental approaches to environmental conservation.



Students Making Posters and Writing Slogans on 04.03.2025



Group Photograph after the completion of Poster Making and Slogan Writing on 04.03.2025

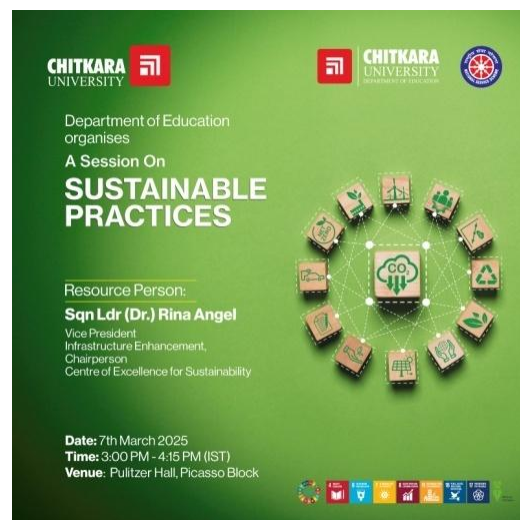
Event Name	A Session on Sustainable Practices
Date	07 th March 2025
Venue	Pultizer Hall, Chitkara University, Punjab
Organizer	Department of Education
Resource Person	Sqn. Ldr. (Dr.) Rina Angel, Vice President, Infrastructure Enchanment, Chairperson, Centre of Excellence for Sustainability
Number of Participants	67
SDGs Covered	4, 6,12, 14, 17
Duration	One Hour

About the Activity

Sqn. Ldr. (Dr.) Rina Angel's session expanded upon the themes of sustainability, offering deeper insights into specific practices that align with global environmental goals. She discussed the role of sustainable agriculture, renewable energy technologies, and water conservation efforts in addressing environmental challenges.

Participants were encouraged to explore practical initiatives like community farming and rainwater harvesting as impactful ways to contribute to ecological balance. Dr. Angel shared real-world success stories and case studies, which helped participants, understand the transformative potential of collective action.

The session cultivated a sense of responsibility and empowered attendees to take tangible steps toward creating a sustainable future.



EVENT DETAILS

EVENT TYPE	TRAINING
TOPIC	TRAINING FOR TRAINERS (TOT) SESSION I: DRINKING WATER TESTING TRAINING PROGRAM
DATE	2025-03-18 to 2025-03-19
MODE	OFFLINE
VENUE	RESEARCH LAB (IIIRD FLOOR, FLEMING BLOCK.)
ORGANIZER NAME	CHITKARA BUSINESS SCHOOL
RESOURCE PERSON	PROF. JYOTSNA KAUSHAL, PROFESSOR- CENTRE FOR WATER SCIENCES
NO. OF PARTICIPANTS	65
SDG NO	SDG 6: CLEAN WATER AND SANITATION, SDG 13: CLIMATE ACTION, SDG 14: LIFE BELOW WATER, SDG 17: PARTNERSHIP FOR THE GOALS

OBJECTIVE

- To educate students on water quality testing parameters (TDS, alkalinity, pH, etc.).
- To provide hands-on lab experience at the Centre for Water Sciences.
- To explore methods for community awareness on clean water practices.
- To promote the understanding that small actions contribute to water sustainability.

DESCRIPTION

Under the aegis of the "Connecting Communities for Water Management and Sustainability: A Namami Gange Initiative," the Faculty of Economics at Chitkara Business School spearheaded a crucial two-day awareness campaign on the 18th and 19th of March, 2025, focusing on the vital aspect of water quality testing. This impactful activity aimed to equip future leaders with the knowledge and understanding necessary to address the pressing issue of water safety and sustainability within communities. The core of the initiative involved an enlightening visit by the students to the Centre for Water Sciences at Chitkara University, Punjab. Here, they were privileged to participate in an engaging and hands-on laboratory session expertly conducted by Prof. Jyotsna Kaushal. This immersive experience provided the students with invaluable practical insights into the scientific methodologies employed for assessing water quality. During the session, Prof. Kaushal meticulously guided the students through the analysis of key water parameters, emphasizing their significance in determining the potability and overall health of water sources. The students gained a comprehensive understanding of crucial indicators such as Total Dissolved Solids (TDS) levels, which reflect the concentration of dissolved substances; alkalinity, indicating the water's capacity to neutralize acids; and pH levels, a measure of the water's acidity or basicity. Furthermore, they explored other essential factors that play a critical role in ascertaining whether water is safe for drinking and other uses. The initiative extended beyond the acquisition of technical knowledge. Recognizing the importance of community engagement, the students actively brainstormed and explored effective strategies for disseminating information about clean water practices. They delved into various methods of educating communities on the significance of regular water quality testing, the identification of potential contaminants, and the adoption of sustainable water management practices at the household and community levels. The discussions fostered a sense of responsibility among the students, encouraging them to envision themselves as catalysts for positive change. The underlying message of the event, powerfully encapsulated in the phrase "Small actions lead to big changes!", resonated throughout the two days. It underscored the belief that collective awareness and individual efforts, no matter how seemingly minor, can contribute significantly to ensuring access to clean and safe water for all, thereby paving the way for a healthier and more sustainable future for communities. This initiative served as a potent reminder of the inter-connectedness between environmental well-being and community health, empowering the students to become informed advocates for responsible water stewardship.

OUTCOMES:

- Knowledge of key water quality parameters and their significance.
- Practical skills in basic water quality testing methods.
- An understanding of strategies for community education on water safety.

- Appreciation for the impact of individual actions on water sustainability and public health.



Prof. Jyotsna Kaushal demonstrating students on Water Testing on 18.03.2025



Students learning TDS checking from expert on 18.03.2025



Group photograph on the culmination of day 2 of training on 19.04.2025

Event Name	AQUA INSIGHTS: EXPERT DISCLOSURE ON PIONEERING INNOVATIONS IN WATER SUSTAINABILITY
Date	2025-03-21 to 2025-03-21
Venue	GALILEO BLOCK, GB-304 (CHITKARA UNIVERSITY PUNJAB)
Organizer	DR. RIDHIMA GAHROTRA
Resource Person	DR. POOJA MAHAJAN, ASSOCIATE PROFESSOR, DEPARTMENT OF APPLIED SCIENCES, CHITKARA UNIVERSITY, PUNJAB
Number of Participants	52
SDGs Covered	SDG 4: QUALITY EDUCATION, SDG 6: CLEAN WATER AND SANITATION, SDG 3: GOOD HEALTH AND WELL-BEING, SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION, SDG 13: CLIMATE ACTION, SDG 14: LIFE BELOW WATER
Duration	1 day

About the Activity

The Department of Applied Sciences at Chitkara University, Punjab, organized an insightful and visionary expert lecture titled "Aqua Insights: Expert Disclosure on Pioneering Innovations in Water Sustainability" on the occasion of World Water Day 2025. The event was conducted on March 21, 2025, at 10:30 AM, in Room GB-303, Galileo Block, and witnessed enthusiastic participation from students and faculty members alike. The keynote speaker for the session was Dr. Pooja Mahajan, Associate Professor, Department of Applied Sciences, CUIET, Chitkara University, Punjab. With her expertise in the field of environmental sustainability and water resource management, Dr. Mahajan delivered an impactful session focusing on the urgent need to address global water challenges and the role of innovative technologies in creating sustainable water solutions. The session began with an overview of the global water crisis, including the alarming statistics about water scarcity, pollution, and over-extraction of freshwater resources. Dr. Mahajan emphasized the importance of wastewater recycling, rainwater harvesting, and community-level water conservation initiatives. She illustrated how simple practices, when scaled, can lead to substantial environmental benefits and reduce water stress across regions. The discussion also included real-world case studies and examples of successful water management models

from various parts of the world. Dr. Mahajan urged students to become active contributors to a water-secure future by engaging in eco-conscious behavior and adopting transformative practices in daily life. The event served as an ideal platform to celebrate World Water Day and reinforce the message of “Water for All”, as envisioned by the United Nations Sustainable Development Goal 6 (Clean Water and Sanitation). It also promoted environmental literacy by equipping students with knowledge about sustainable technologies and the socio-economic implications of water conservation. The session was successfully coordinated and organized by Dr. Ridhima Gahotra, Assistant Professor, Department of Applied Sciences, Chitkara University, Punjab. Her meticulous planning ensured the smooth execution of the event and meaningful engagement of all participants. In conclusion, the expert lecture was a highly enriching and impactful experience that not only broadened the participants’ understanding of current water issues but also inspired them to think critically and innovatively about sustainable water practices. Events like these play a vital role in fostering a culture of sustainability, research, and innovation within the academic community.

Objectives of the event

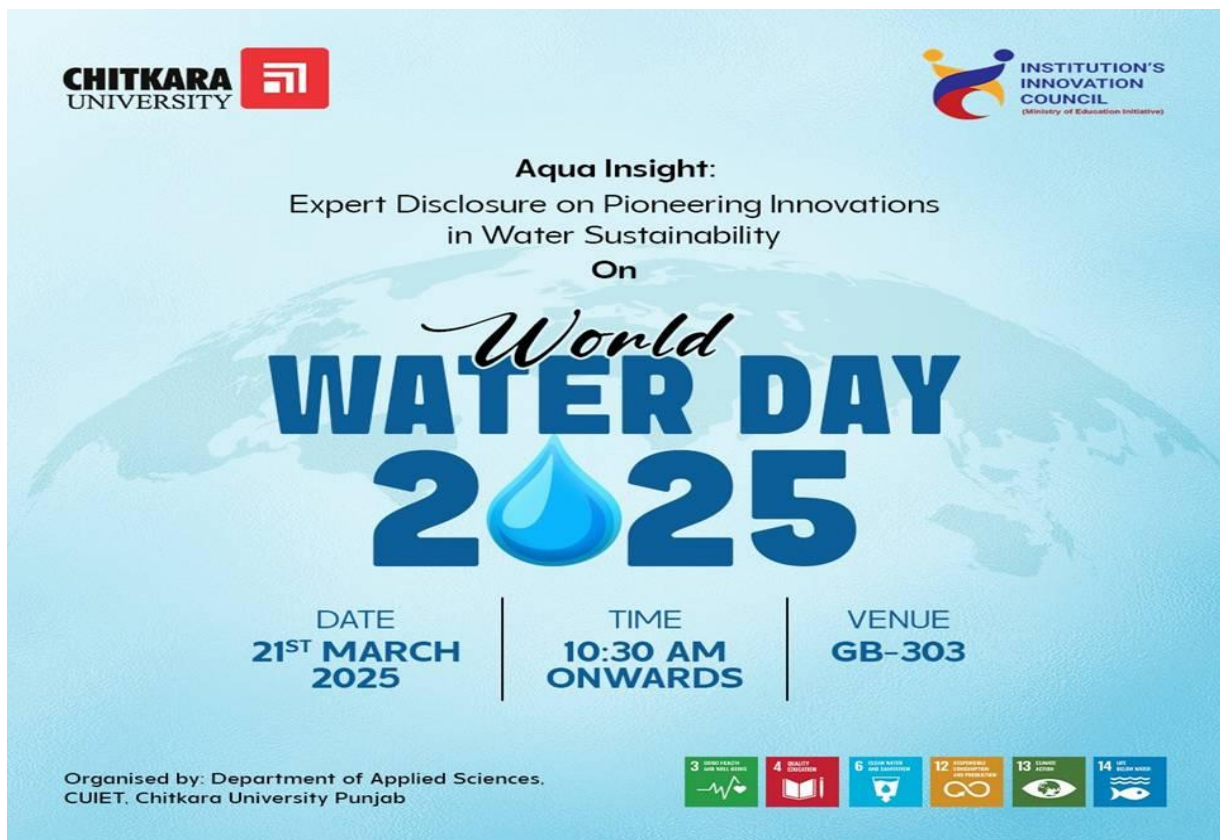
- To educate health science students on the critical role of water sustainability in public health and environmental well-being.
- To introduce pioneering innovations in water purification, conservation, and management relevant to healthcare settings.
- To encourage interdisciplinary discussions on the impact of water quality on disease prevention and healthcare outcomes.
- To equip students with knowledge to advocate for sustainable water practices within their professional fields.
- To inspire future research and innovation in water sustainability aligned with healthcare advancements.

Outcome or Key take away from the event

- Increased awareness among health science students about water-related health risks and solutions.

- Strengthened understanding of how sustainable water practices contribute to global health improvement.
- Greater engagement in collaborative efforts to integrate water sustainability into healthcare policies.
- Enhanced capacity to implement responsible water management strategies in medical and research settings.
- Motivated student-led initiatives and research projects focusing on water sustainability in healthcare.

Pictures:



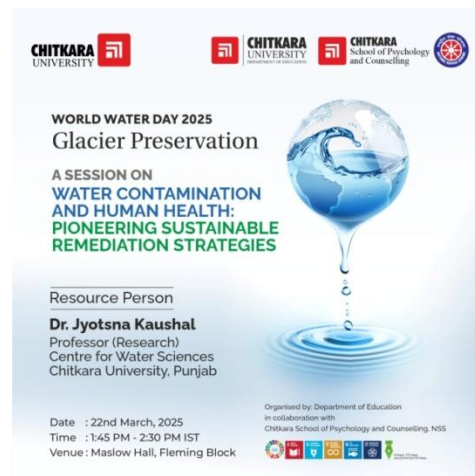


Event Name	World Water Day 2025 Glacier Preservation
Date	22 nd March 2025
Venue	Maslow Hall, CSPC, Fleming Block, Chitkara University, Punjab
Organizer	Department of Education
Resource Person	Dr. Jyotsna Kaushal, Professor (Research) at the Centre for Water Sciences, Chitkara University, Punjab
Number of Participants	39
SDGs Covered	4, 6, 12, 14, 17
Duration	One Hour

About the Activity

The Department of Education, in collaboration with Chitkara School of Psychology and Counselling (CSPC), proudly commemorated World Water Day under the theme Glacier Preservation on 22nd March 2025. This enlightening session featured esteemed resource person, Dr. Jyotsna Kaushal, Professor (Research) at the Centre for Water Sciences, Chitkara University, Punjab.

Dr. Kaushal shared her expert insights in the thought-provoking session titled "Water Contamination and Human Health: Pioneering Sustainable Remediation Strategies," which explored the profound impact of water contamination on human health and emphasized the importance of sustainable remediation techniques. Dr. Kaushal captivated the audience with her innovative insights, sparking thought-provoking discussions about safeguarding water resources and mitigating health risks. This initiative symbolized a collective stride toward quality education, environmental preservation, and sustainable living. With engaging discussions and actionable insights, this session fostered awareness and inspired participants to contribute meaningfully toward protecting our planet's precious water resources. Together, we move forward in safeguarding glaciers and ensuring a sustainable future.



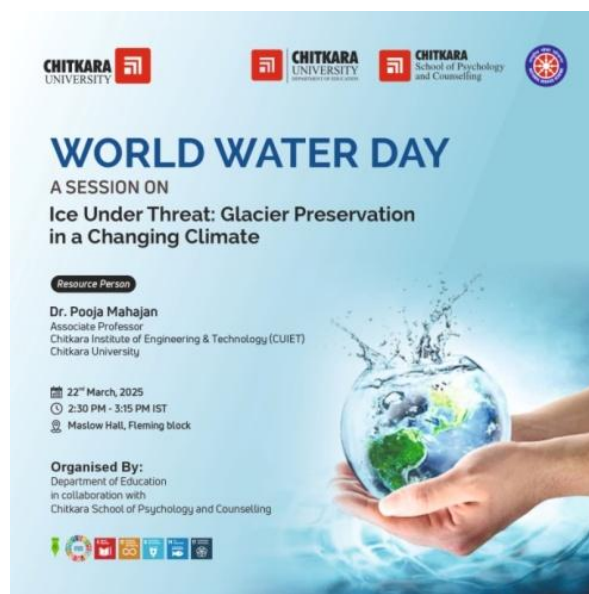


Event Name	World Water Day Ice Under Threat: Glacier Presentation in a Changing climate
Date	22 nd March 2025
Venue	Maslow Hall, CSPC, Fleming Block, Chitkara University, Punjab
Organizer	Department of Education
Resource Person	Dr. Pooja Mahajan, Associate Professor at the Chitkara Institute of Engineering & Technology (CUIET), Chitkara University
Number of Participants	39
SDGs Covered	4, 6, 12, 14, 17
Duration	One Hour

About the Activity

The Department of Education, in collaboration with the Chitkara School of Psychology and Counselling (CSPC) and the National Service Scheme, organized an insightful session on "Ice Under Threat: Glacier Preservation in a Changing Climate" as part of the World Water Day. This event brought to the forefront the urgent challenges of glacier preservation amidst a changing global climate.

The session was led by Dr. Pooja Mahajan, Associate Professor at the Chitkara Institute of Engineering & Technology (CUIET), Chitkara University. Dr. Mahajan captivated the audience with her comprehensive analysis of the alarming impacts of climate change on glaciers—our planet's essential water reservoirs. She delved into the critical consequences of glacial retreat on ecosystems and human livelihoods and proposed innovative strategies for conservation and sustainable practices. The session fostered profound discussions and heightened awareness about the fragile state of our glaciers. This initiative emphasized the collective responsibility to combat climate change and preserve these invaluable natural resources for future generations. The event exemplified



Chitkara University's unwavering commitment to quality education and sustainable development.

The session left participants inspired to take meaningful action and uphold environmental stewardship. Together, we strive for a sustainable future, protecting glaciers as a vital lifeline for humanity.



Title	Smart Water, Smart Future: Technology for Conservation
Type of Activity	Seminar/Case Studies
PROGRAM THEME (KEYWORDS)	R&D and Innovation
LINK (Pre Link)	Pre Link
LINK (Post Link)	Post Link
Program Type	level 2
Nomenclature	Smart Water, Smart Future: Technology for Conservation
Start and End date of the event	22/03/2025 to 22/03/2025
No of students	84
No of faculty	9
Video URL	https://drive.google.com/file/d/1Hbaa7Unu9Z0OZCSDt3aV5WZF96Ob0L5K/view?usp=sharing

Description

The Civil Engineering Department at Chitkara University organized the World Water Day 2025 Symposium, themed “Smart Water, Smart Future,” to emphasize water conservation and sustainable management. The event featured expert talks, including Mr. S.K. Rana’s insights on MSMEs' role in water technologies, Ms. Veenakshi Sharma’s discussion on water quality and health, and Dr. Jyotsna’s overview of university-led water research initiatives. Activities such as poster presentations, debates, and live demonstrations fostered dynamic exchanges on emerging water conservation technologies. The symposium inspired interdisciplinary collaboration and innovative solutions, marking a successful effort to promote awareness and action for a sustainable water-efficient future.

Kindly justify the activity conducted by your respective department will fit as IIC event

The "Smart Water, Smart Future: Technologies for Water Conservation" symposium was a one-day event held to commemorate World Water Day 2025. It aimed to explore and promote innovative technologies that significantly enhance global water conservation efforts. The event brought together industry leaders, scientists, academicians, policymakers, and students.

It featured technical talk sessions where experts shared insights on cutting-edge water conservation technologies, including smart metering, leak detection systems, water-efficient irrigation techniques, and data analytics for improved water management. Interactive activities

such as a poster-making competition and group discussions were organized to foster engagement and creativity. These activities encouraged participants to visually represent innovative ideas and collaboratively develop solutions for pressing water conservation challenges. By combining expert presentations with hands-on activities, the symposium created a dynamic environment that promoted learning, networking, and practical strategies for water conservation. The event emphasized the critical role of technology in addressing water scarcity and promoting sustainable water use across various sectors, including agriculture, urban planning, and industry. It inspired action and collaboration among stakeholders, contributing to the broader goal of ensuring sustainable water management for future generations. Through knowledge sharing and innovative thinking, participants were empowered to make meaningful contributions to global water conservation efforts.

Objective

- Raise awareness about global water conservation challenges and sustainable solutions.
- Facilitate knowledge exchange between industry leaders, researchers, and students.
- Showcase innovative water conservation technologies and research initiatives.
- Encourage student participation through poster presentations, debates, and project displays.
- Strengthening the academia-industry collaboration for sustainable water management solutions

Benefits of the activity

- Increased awareness of water quality and conservation strategies among participants.
- Encouraged student-led research and innovative water management solutions.
- Strengthened collaboration between academia, industry, and policymakers.
- Provided insights into cutting-edge water conservation technologies.
- Inspired participants to actively contribute to sustainable water initiatives.



Dappar, Punjab, India
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Lat 30.516962° Long 76.660449°
22/03/2025 12:08 PM GMT +05:30



Patiala, Punjab, India
Chitkara University Rd, Punjab 140506, India
Patiala, Punjab 140506, India
Lat 30.517239° Long 76.660376°
22/03/2025 12:06 PM GMT +05:30

Name of Department:	Department of Civil Engineering
Name of Organizer with Mail ID & Contact Number:	Akhil Shetty
Resource Person Details:	
Name:	Mrs. Veenakshi Sharma
Designation:	Director, Water Quality (Retired)
Organization:	Department of Water Supply and Sanitation, Punjab
Mail ID:	veenakshi_sharma@yahoo.com
Name:	Mr. S.K. Rana
Designation:	CEO
Organization:	Bio-Age Equipment & Services, Mohali, Punjab
Mail ID:	ceo@bioageindia.com
Name:	Mr. Gurharminder
Designation:	Joint Director
Organization:	Directorate of Climate Change, Chandigarh
Mail ID:	harminder1978@gmail.com

EVENT DETAILS	
EVENT TYPE	STUSTAINABLE DEVELOPMENT GOALS
TOPIC	WORLD WATER DAY 2025
DATE	2025-03-22 to 2025-03-22
MODE	OFFLINE
ORGANIZER NAME	CHITKARA SCHOOL OF PSYCHOLOGY AND COUNSELLING
RESOURCE PERSON	DR. POOJA MAHAJAN , ASSOCIATE PROFESSOR
NO. OF PARTICIPANTS	85
SDG NO	SDG 4: QUALITY EDUCATION, SDG 6: CLEAN WATER AND SANITATION, SDG 11: SUSTAINABLE CITIES AND COMMUNITIES, SDG 13: CLIMATE ACTION, SDG 14: LIFE BELOW WATER

OBJECTIVE

- To Raise Awareness regarding the ongoing Climate Action Water Crisis.
- To highlight the accelerating rate of glacial retreat due to climate change and its potential consequences.
- To Educate students on Preservation Strategies for a Sustainable Future.
- To analyze and present relevant case studies.
- Promote Collaborative Action

DESCRIPTION

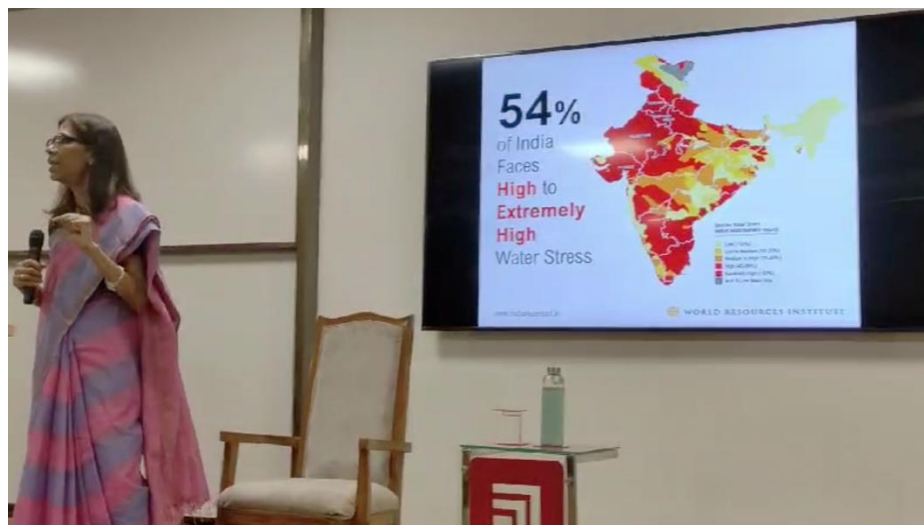
The Chitkara School of Psychology and Counselling (CSPC), in collaboration with the Department of Education and National Service Scheme (NSS), marked World Water Day 2025 with an insightful event on 22nd March 2025 at Maslow Hall, Fleming Block. Themed “Glacier Preservation”, the session brought together experts to discuss the urgent need for protecting the world’s glaciers in the face of climate change. The session was led by Dr. Pooja Mahajan, Associate Professor at the Chitkara Institute of Engineering & Technology (CUIET), Chitkara University, who presented key glacier preservation strategies. She analyzed various case studies showcasing innovative approaches to combat glacial retreats, including sustainable water management, artificial glacier techniques, and policy-driven conservation initiatives. Her talk emphasized the urgent need for collaborative efforts to slow down glacier loss and protect vital water reservoirs. The focus was on the drastic changes affecting glaciers, with particular emphasis on Nepal’s Yala Glacier, a critical case study that illustrates the impact of climate change on Himalayan ice reserves. Through in-depth discussions and knowledge exchange, the event heightened awareness of the fragile state of the planet’s glaciers and underscored the shared responsibility of individuals and institutions in combating climate change. The initiative reaffirmed Chitkara University’s commitment to sustainability, inspiring participants to take proactive steps toward preserving these invaluable natural resources. As we navigate an era of climate uncertainty, we must take decisive action to protect our glaciers. Together, we strive for a future where environmental stewardship ensures the survival of these critical lifelines for humanity.

OUTCOMES

- Enhanced Understanding of Glacial Dynamics
- Increased Awareness of Climate Change Impacts
- Knowledge of Practical Preservation Methods
- Reinforced Institutional Sustainability Commitment
- Motivation for Sustainable Action



Faculty and Student Audience | 22.03.25



EVENT DETAILS

EVENT TYPE	EXTENSION AND OUTREACH PROGRAMS
TOPIC	EDUCATIONAL AND PRACTICAL ORIENTATION
DATE	2025-04-04 to 2025-04-04
MODE	OFFLINE
ORGANIZER NAME	CHITKARA LAW SCHOOL, CHITKARA UNIVERSITY, PUNJAB
RESOURCE PERSON	PROF. (DR.) AJAY RANGA, PROFESSOR AND DEAN DR. AVNISH KUMAR SINGH, ASSISTANT PROFESSOR
NO. OF PARTICIPANTS	5
SDG NO	SDG 4: QUALITY EDUCATION, SDG 6: CLEAN WATER AND SANITATION, SDG 13: CLIMATE ACTION, SDG 15: LIFE ON LAND, SDG 16: PEACE, JUSTICE AND STRONG INSTITUTIONS

OBJECTIVE

- To Enhances Practical Knowledge and Understanding
- To Alleviate the Tedium of Classroom Learning
- To Encourages Independent Learning
- To Build Confidence and Professional Networking
- Hands-on Learning Experiences
- To Improve Communication Skills

DESCRIPTION

Punjab Pollution Control Board (PPCB, is a statutory body helps in implementing Environmental Laws in the state of Punjab) is the apex body created for the implementation of the provisions of the environmental laws and to preserve the wholesomeness of the water. With the aim to control pollution at the source with due regard to techno-economic feasibility for liquid effluents as well as gaseous emissions, to ensure that natural waters are not polluted by discharge of untreated city sewage, and to maximize reuse / recycling of sewage and trade effluents and to use the treated effluent on land for irrigation and for industrial purpose after appropriate treatment, PPCB was created in the year 1975. It is therefore become more important to apprise the students of Chitkara Law School about the practical application of the provisions of Environmental Laws in general, whereas, Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, in particular. Henceforth, educational visit was arranged on the above stated schedule. This scheduled event was successfully conducted under the learned and able guidance of Prof. (Dr.) Ajay Ranga and course coordinator Dr. Avnish kumar Singh, Assistant Professor, Chitkara Law School. The visit to the PPCB was an enlightening experience to the students. The visit was arranged to impart and understand practical functioning of the PPCB. On the scheduled day students of B.A.LL.B VIth Semester were taken to the above stated statutory authority. Therein they got chance to interact with Mr. Avtar Singh, Scientific Officer and Mr. Sumati Oswal, Law Officer to the PPCB. Students of law during their interactive session were given detailed instructions about the establishment, its structure and territorial jurisdiction, key responsibilities or functions, rules as to inspection and necessary legal actions taken by the Board. After having detailed interactive session with the experts, students visited the Water and Air laboratories. Therein students of law learned the procedure of sample collection, various methods and tests to determined nature of pollutants and source of pollution in the water bodies and in the air, respectively.

OUTCOMES

- The students will understand the functioning of the Board.
- The students understood the practical application of the provisions of the law alongside the theoretical knowledge.
- The students will be able to evaluate the various stakeholders in controlling and protecting the environmental pollution.
- The students understood the procedural formalities and administrative working of the Board.



Prof. (Dr.) Ajay Ranga Sir along with Dr. Avnish Kumar Singh at Chitkara Campus before the start of the educational visit to Punjab Pollution Control Board - 04.04.2025



A group photo with the students of Chitkara Law School and Scientific and Assistant Scientific Officers at PPCB (Right) Assistant Scientific Officer at newly constructed Water laboratories -



Assistant Scientific Officer apprising the student of Chitkara Law School, about the functioning and procedure to be followed in water laboratories set up under the Water (Prevention and Control of Pollution) Act, 1974) - 04.04.2025



Lab assistant apprising students of Chitkara Law School, about the test for Air laboratories set up under the Air (Prevention and Control of Pollution) Act, 1981 - 04.04.2025

Event Name	Medical Laboratory Professional week
Date	21 st –26 th April 2025
Venue	Pierre Hall, Le Corbusier block, Chitkara University Punjab
Organizer	Allied Health Sciences Department, Chitkara School of Health Sciences, Chitkara University, Punjab
Resource Persons	<ol style="list-style-type: none"> 1. Dr. Deepy Zohmangaihi, Additional Professor, PGIMER, Chandigarh 2. Dr. Manish Rai, Director, Blood Bank Center, Chandigarh. 3. Dr. Aashish Kumar, Nanotechnology laboratory, Chitkara School of Pharmacy, Chitkara University, Punjab 4. Dr. Sagar Juneja, Associate Director, CURIN Department, Chitkara University, Punjab
Number of Participants	60
SDG Number	3,4,6,17
Duration	18 hours in Offline mode

Description of the event

The Department of Allied Health Sciences, Chitkara School of Health Sciences, celebrated Medical Laboratory Professionals Week (MLPW) 2025 at Chitkara University from April 21–26 with the theme “Mystery Machine of Diagnostics: Another Case Solved by the Lab.” The week spotlighted the critical role of laboratory professionals and the advanced tools they use to decode medical mysteries. The event featured interactive sessions with experts from prestigious institutions like PGIMER and Blood Centre Society. Students participated in prototype demonstrations, field visits to animal houses, nanotechnology and water testing labs, and a “Diagnostic Hunt” that simulated real-life case solving. Talks from distinguished speakers such as Dr. Sagar Juneja, Dr. Deepy Zohmangaihi, and Dr. Manish Rai offered insight into how automation, artificial intelligence, and advanced machines are shaping the future of

diagnostics. The involvement of industry experts and field visits bridged academic learning with real-world applications, inspiring students to think creatively and adopt innovative approaches in healthcare.

Glimpse of the Event: -

Photograph-1: Flyer of the event (21st-26th April, 2025)



Photograph-2: Resource person (Dr. Deepy Z with attendees) (25/04/2025)






Photograph-3: Resource person Dr. Manish Rai interaction with attendees
(11/04/2025)



EVENT DETAILS	
EVENT TYPE	WORKSHOP
TOPIC	NATIONAL WORKSHOP ON " SUSTAINABLE SYNERGIES: SMART PATHWAYS TO CLEAN WATER CIRCULAR ECONOMY AND CLIMATE ACTION"
DATE	2025-01-20 to 2025-01-20
MODE	OFFLINE
ORGANIZER NAME	PROF. DR. THAKUR GURJEET SINGH
RESOURCE PERSON	PROF. AHMAD HOSSEINI- BANDEGHARAEI, PROFESSOR
NO. OF PARTICIPANTS	48
SDG NO	SDG 3: GOOD HEALTH AND WELL-BEING, SDG 4: QUALITY EDUCATION, SDG 6: CLEAN WATER AND SANITATION


OBJECTIVE

- To promote awareness and understanding of integrated approaches to water conservation, climate resilience, and sustainable resource management.
- To explore innovative technologies and smart solutions that support clean water access, wastewater recycling, and circular economy practices.
- To foster multidisciplinary collaboration among academia, industry, policymakers, and community stakeholders for environmental sustainability.
- To equip participants with actionable strategies for implementing climate-smart water management and sustainable development goals (SDGs).
- To inspire research, innovation, and entrepreneurial thinking in areas related to environmental protection and climate action.

National Workshop on

Sustainable Synergies: Smart Pathways to Clean Water Circular Economy and Climate Action



Resource Person

Prof. Ahmad Hosseini-Bandegharai
Semnan University
Semnan, Iran

Date : 20th January, 2025
Time : 10:00 AM Onward
Venue : LH-3, Third Floor, Fleming Block







Chairperson & Convener
Prof. (Dr.) Thakur Gurjeet Singh
Dean
Chitkara College of Pharmacy
Chitkara University, Punjab

Dr. Amit Mittal
Pro-Vice Chancellor
Research Program
Chitkara University, Punjab

Organising Secretary
Dr. Gagandeep Singh
Associate Professor
Chitkara College of Pharmacy

Dr. Rahul Pandey,
Assistant Professor | VLSI Centre of Excellence
Assistant Director | Research
Centre for Research Impact and Outcome (CRIO)

Organised by
Chitkara College of Pharmacy in association with CRIO

DESCRIPTION

A National Workshop on “Sustainable Synergies: Smart Pathways to Clean Water Circular Economy and Climate Action” was organized by Chitkara College of Pharmacy in association with CRIO on 20th January 2025 at LH-3, Third Floor, Flemming Block, Chitkara University, Punjab. The expert session was delivered by Prof. Ahmad Hosseini-Bandegharai from Semnan University, Iran, a renowned academician and researcher in environmental sustainability. Prof. Hosseini-Bandegharai shared deep insights into sustainable water management practices, emphasizing the integration of clean water technologies, circular economy principles, and climate resilience strategies. He highlighted real-world case studies showcasing the impact of eco-innovations and international collaborations in addressing water scarcity and environmental challenges. The session aligned with Sustainable Development Goals (SDGs), especially SDG 6 (Clean Water and Sanitation) and SDG 13 (Climate Action). The workshop provided an excellent platform for students, researchers, and faculty to engage in knowledge exchange and explore interdisciplinary approaches for a sustainable future.

OUTCOMES

- Enhanced participant knowledge of sustainable water management practices and climate-resilient infrastructure.
- Increased awareness of circular economy principles and their application in water reuse, waste minimization, and resource efficiency.
- Development of collaborative networks among academia, industry, and government for future sustainability initiatives.
- Identification of innovative and scalable solutions for local and national environmental challenges.
- Empowerment of students and professionals to contribute actively toward achieving SDG 6 (Clean Water and Sanitation) and SDG 13 (Climate Action).





EVENT DETAILS	
EVENT TYPE	WORKSHOP
TOPIC	NATIONAL WORKSHOP ON "DRINKING WATER QUALITY PARAMETERS AND MEASUREMENT METHODS"
DATE	2025-01-27 to 2025-01-27
MODE	OFFLINE
ORGANIZER NAME	DR. THAKUR GURJEET SINGH
RESOURCE PERSON	PROF.(DR.) MANMOHAN CHHIBBER, PROFESSOR IN CHARGE
NO. OF PARTICIPANTS	45
SDG NO	SDG 3: GOOD HEALTH AND WELL-BEING, SDG 4: QUALITY EDUCATION

OBJECTIVE

- To familiarize participants with key physicochemical and microbiological parameters that determine drinking water quality.
- To provide hands-on training in standard water testing techniques using modern analytical tools and field-based kits.
- To enhance understanding of national and international water quality standards, including BIS, WHO, and CPCB guidelines.
- To promote awareness about the public health implications of contaminated drinking water and the importance of regular monitoring.
- To encourage interdisciplinary research and collaboration in the field of water quality assessment and management.

DESCRIPTION

The National Workshop on "Drinking Water Quality Parameters and Measurement Methods" was organized to address one of the most pressing public health concerns—access to clean and safe drinking water. With increasing urbanization, industrialization, and environmental challenges, monitoring water quality has become more critical than ever. This workshop served as a comprehensive platform for students, researchers, academicians, and professionals to gain in-depth knowledge of drinking water quality parameters and their scientific evaluation. The workshop focused on educating participants about key physicochemical and microbiological parameters that define the safety of drinking water,

including pH, turbidity, total dissolved solids (TDS), hardness, fluoride, nitrate, and bacterial contamination. Emphasis was placed on national and international guidelines like BIS, WHO, and CPCB standards to help participants understand acceptable limits and their health implications. Hands-on training sessions were conducted using advanced laboratory instruments and field testing kits, offering experiential learning in sample collection, testing protocols, and interpretation of results. Experts from academia, water testing laboratories, and public health departments delivered technical sessions and case studies, enriching the participants' practical understanding. The workshop also highlighted emerging trends in water purification, community surveillance systems, and decentralized water quality monitoring techniques. Participants were encouraged to engage in interactive discussions, troubleshooting exercises, and collaborative networking to foster interdisciplinary solutions for clean water access.

OUTCOMES

- Improved technical skills in testing and interpreting key drinking water quality parameters such as pH, TDS, hardness, turbidity, and microbial load.
- Enhanced understanding of water quality standards and compliance requirements under BIS and WHO guidelines.
- Practical experience in using laboratory and field-based water testing methods, including spectrophotometry, titration, and microbiological assays.
- Increased awareness of the health risks associated with poor water quality and the role of regular monitoring in disease prevention.
- Capacity building of students and professionals for roles in environmental monitoring, public health, and water management sectors.





