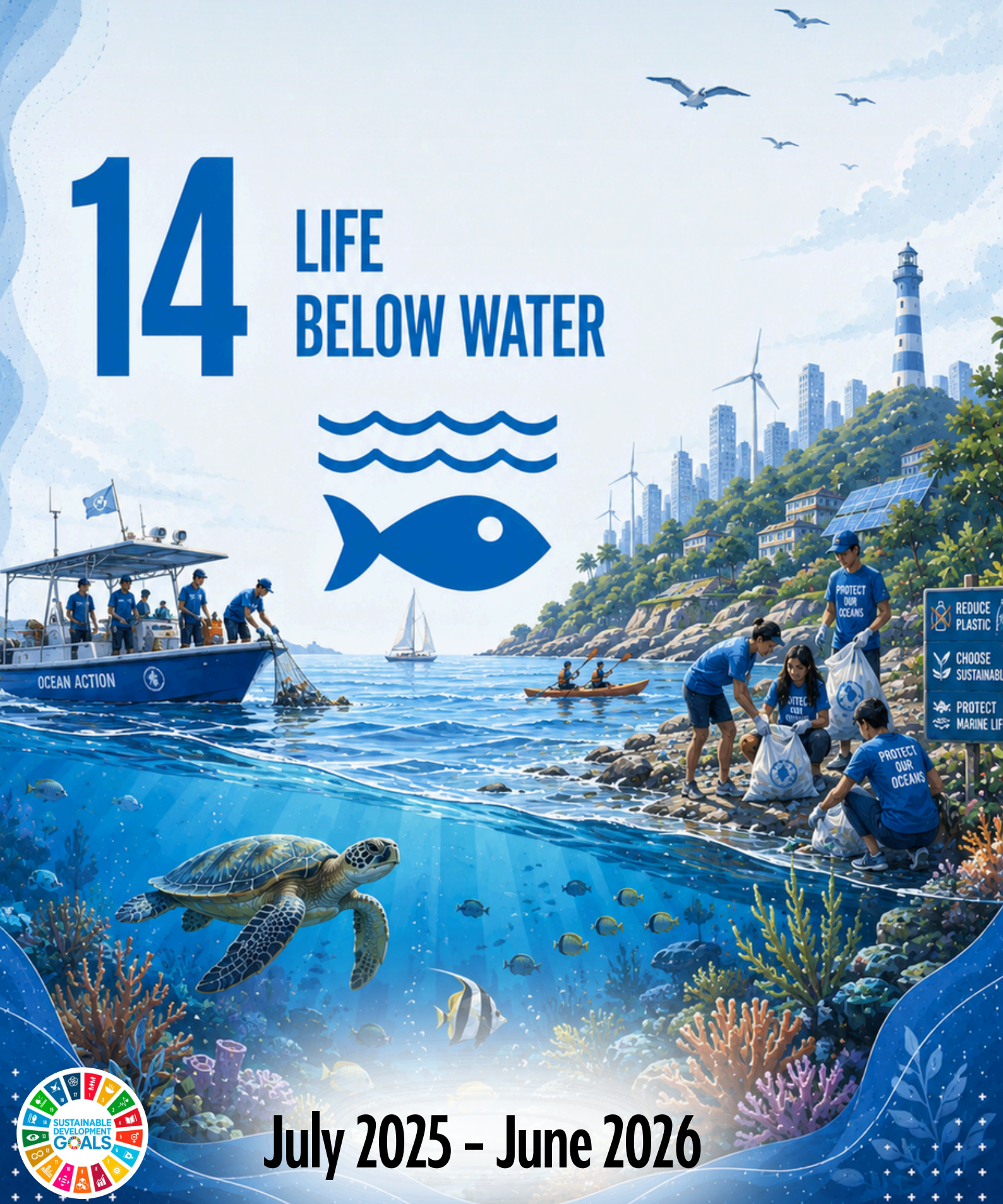
CHITKARA UNIVERSITY

CHITKARA UNIVERSITY
Centre of Excellence for Sustainability

# 14 LIFE BELOW WATER




SUSTAINABLE DEVELOPMENT GOALS

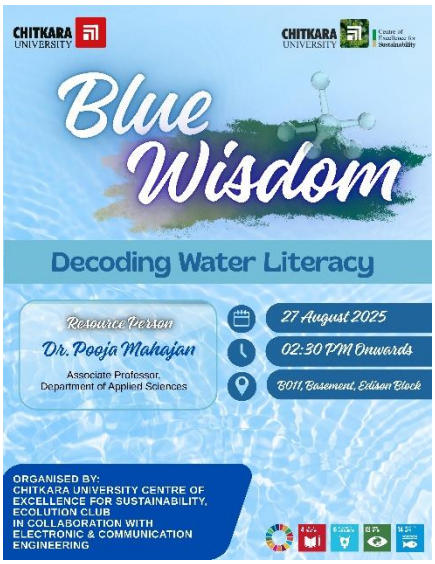
## July 2025 – June 2026

# INDEX

| | |
|---|---|
| Event Name | Blue Wisdom – Decoding Water Literacy |
| Date | 27 August 2025 |
| Venue | B 011, Basement, Edison Block |
| Organizer | CUCES (Chitkara University Centre of Excellence for Sustainability), Ecolution Club in Collaboration with Electronic & Communication Engineering |
| Resource Person | Dr. Pooja Mahajan, Associate Prof. Dept. of Applied Sciences |
| Number of Participants | 100 |
| SDGs Covered | 4, 6, 13, 14 |

## Objective

The primary objective of the session "Blue Wisdom: Decoding Water Literacy" was to enhance awareness and understanding of water literacy among students and faculty. The event aimed to educate participants about the importance of water conservation, sustainable water management, and responsible water usage. It sought to develop informed perspectives on water-related challenges and encourage sustainable practices aligned with environmental responsibility.




## Description of the Event

The academic session titled "Blue Wisdom: Decoding Water Literacy" was organized on 27th August 2025 at 02:30 PM onwards in B011, Basement, Edison Block, Chitkara University.

The event featured Dr. Pooja Mahajan, Associate Professor, Department of Applied Sciences, as the Resource Person. The session focused on decoding the concept of water literacy by highlighting the scientific, environmental, and social dimensions of water usage and conservation.

The event was organized by the Chitkara University Centre of Excellence for Sustainability and Ecolution Club, in collaboration with the Department of Electronic & Communication Engineering. The program aligned with global sustainability goals, emphasizing education, clean water and sanitation, climate action, and life below water.

## Outcome

The session successfully created awareness about the significance of water literacy and its role in sustainable development. Participants gained valuable insights into water conservation strategies, responsible consumption, and the broader impact of water management on ecosystems and society.

The event helped in:

- Enhancing understanding of water-related environmental issues
- Promoting sustainable thinking among students
- Encouraging responsible behavior toward water resources
- Strengthening awareness of global sustainability goals related to water and climate

The interactive nature of the session contributed to active participation and knowledge enrichment.

## Conclusion

The event "Blue Wisdom: Decoding Water Literacy" proved to be an informative and impactful initiative that effectively addressed the need for water awareness and sustainability education. The session highlighted the critical role of education in fostering environmentally responsible citizens.

By focusing on water literacy, the program reinforced the importance of sustainable practices and collective responsibility in conserving water resources. The successful execution of the event reflected the commitment of Chitkara University towards sustainability and environmental education, leaving participants better informed and motivated to contribute to water conservation efforts.

| Event Details | |
|---|---|
| Event Type | Social Event |
| Topic | SDGs Challenge - A Global Perspective |
| Date | 2025-10-13 To 2025-10-14 |
| Mode | Offline |
| Organizer Name | Chitkara School Of Psychology and Counselling |
| No. Of Participants | 125 |
| SDG No | SDG2: Zero Hunger, SDG 1: No Poverty, SDG3: Good Health And Well-Being, SDG 4: Quality Education, SDG5: Gender Equality, SDG 6: Clean Water And Sanitation, SDG 7: Affordable And Clean Energy, SDG 8: Decent Work And Economic Growth, SDG9: Industry, Innovation And Infrastructure, SDG 10: Reduced Inequalities, SDG 11: Sustainable Cities And Communities, SDG 12: Responsible Consumption And Production, SDG 13: Climate Action, SDG 14: Life Below Water, SDG 15: Life On Land, SDG 16: Peace, Justice And Strong Institutions, SDG 17: Partnership For The Goals |
| University Charter | Let's Educate Our Students for Brilliant Futures, Let's Empower Our Students with Great Communication Skills |

## OBJECTIVE

Understand the SDGs: Gain a deep understanding of the United Nations' Sustainable Development Goals (SDGs), including their targets and critical role.

Research and Analyze Implementation: Research and analyze the implementation strategies and progress of the SDGs by the Government of India and the UN.

Develop Communication Skills: Practice communicating complex information clearly through high-quality visual aids (PowerPoint presentations and posters).

## DESCRIPTION

"In commemoration of World Sustainability Day and Campus Sustainability Month, the Chitkara School of Psychology and Counselling, in collaboration with the Chitkara College of Pharmacy, successfully organized the two-day ""SDGs Challenge - A Global Perspective" event series on 13th and 14th October 2025. This enlightening event fostered a deeper understanding and appreciation of the United Nations' Sustainable Development Goals (SDGs) and their critical role in shaping a sustainable future. Students showcased their dedication by presenting in-depth research through engaging PowerPoint presentations and informative posters. Their work meticulously detailed the goals, targets, and the implementation steps taken by both the Government of India and the UN."

## OUTCOMES

SDG Knowledge: Students can identify, explain, and appreciate the significance of the 17 SDGs.

Contextual Application: Participants can detail and compare the implementation steps taken by national (India) and global (UN) bodies toward achieving the SDGs.

Presentation & Design: Students successfully created and delivered in-depth research using effective presentation and poster design skills.



CAUSES OF POVERTY
Unemployment and Underemployment
Climate changes and disasters
Inequality and discrimination
GPS Map Camera
Patiala, Punjab, India
Gm86+77g, Punjab 140417, India, Patiala, Punjab 140417, India
Lat 30.515816° Long 76.661115°
Tuesday, 14/10/2025 02:01 PM GMT +05:30
Google


GPS Map Camera
Patiala, Punjab, India
Gm86+77g, Punjab 140417, India, Patiala, Punjab 140417, India
Lat 30.515755° Long 76.661161°
Monday, 13/10/2025 01:54 PM GMT +05:30
Google


GPS Map Camera
Patiala, Punjab, India
Gm86+77g, Punjab 140417, India, Patiala, Punjab 140417, India
Lat 30.515766° Long 76.661127°
Monday, 13/10/2025 02:43 PM GMT +05:30
Google

| Event Details | |
|---|---|
| Event Type | Social Event |
| Topic | Global Hand-Washing Day |
| Date | 2025-10-15 To 2025-10-15 |
| Mode | Offline |
| Organizer Name | Dr. Thakur Gurjeet Singh |
| Resource Person | He, |
| No. Of Participants | 13 |
| SDG No | SDG3: Good Health and Well-Being, SDG 6: Clean Water and Sanitation, SDG14: Life Below Water |
| Po Number(S) | Po1 |
| University Charter | Let's Educate Our Students for Brilliant Futures, Let's Enthuse Patriotic Fervor & Pride for Our Heritage in Our Students, Let's Foster Civic Engagement in Our Students, Let's Install Discipline, Integrity and Honesty in Our Students, Let's Infuse Leadership Skills in Our Students |

## OBJECTIVE

- Educate children on the importance of hand hygiene in preventing infections and promoting overall health.
- Demonstrate the correct technique of handwashing using soap and water through interactive sessions.
- Instill lifelong hygiene habits among young students in a fun and engaging manner.
- Raise awareness about the role of clean hands in reducing the spread of communicable diseases.
- Encourage students to practice and promote hand hygiene within their families and communities.

## DESCRIPTION

On 15th October 2025, the NSS Unit of Chitkara College of Pharmacy organized a vibrant and educational event to mark Global Handwashing Day. The initiative was specifically designed for primary school students, aiming to instill the importance of hand hygiene from an early

age. Recognizing that proper handwashing is one of the most effective ways to prevent the spread of infections, the event focused on teaching children the correct technique and timing for washing hands. The session began with a brief introduction to the significance of Global Handwashing Day and how clean hands contribute to better health and well-being. Volunteers from the NSS Unit conducted interactive demonstrations, showing the seven steps of effective handwashing using soap and water. These demonstrations were made engaging through the use of colorful visuals, songs, and role-play activities that captured the attention of young learners. Students were encouraged to participate actively, practicing the handwashing steps themselves under supervision. The hands-on approach helped reinforce the learning and made the experience enjoyable and memorable. Informative posters and leaflets were also distributed to further emphasize the importance of hygiene in daily life. The event not only educated children but also empowered them to become ambassadors of hygiene in their homes and communities. By targeting primary school students, the NSS Unit aimed to build a foundation of healthy habits that would last a lifetime. Faculty members and student volunteers from Chitkara College of Pharmacy played a crucial role in organizing and executing the event smoothly. Their dedication and enthusiasm ensured that the message of hand hygiene was effectively communicated. Overall, the Global Handwashing Day celebration was a successful blend of education, engagement, and social responsibility. It highlighted the college's commitment to public health and its proactive role in shaping a healthier future through community outreach.

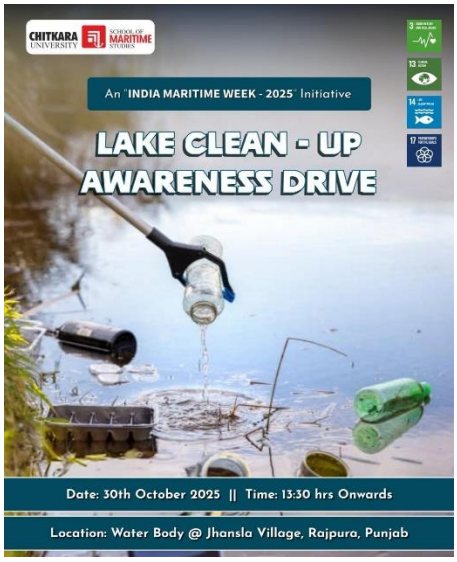
## OUTCOMES

- Increased awareness among primary school students about the importance of hand hygiene.
- Improved understanding and practice of proper handwashing techniques.
- Encouragement of healthy habits that can reduce the spread of infections.
- Strengthened community outreach and engagement by pharmacy students.
- Positive behavioral change observed in children, promoting hygiene within their homes and schools.


Global
HAND
WASHING DAY

| | | | |
|---|---|---|---|
| EVENT | Indian Maritime Week – Lake Clean-up awareness drive | | |
| Date/Time | 30th Oct 2025/1330 hrs. Onwards | Mode: | Offline |
| Location/Link | Water Body, Jhansla Village, Rajpura | | |
| Activity In-charge | Mr. Manohar Lal Bhardwaj | | |
| No. of Participants | 14 cadets + 03 Faculty | | |
| Resource Person (if any) | ---------- | | |
| SDG | 3-Good Health and well-Being, 13-Climate Action, 14-Life below water,17 – Partnership for the Goal | | |

## BRIEF DESCRIPTION




On 30th October 2025, at 1330 hrs, a Lake Clean-Up Awareness Drive was conducted at the water body in Jhansla Village, Rajpura, as an important activity under Indian Maritime Week 2025. The drive was organized by the Chitkara University School of Maritime Studies (CUSMS), with 14 cadets of Batch Year 2023 participating under the guidance of Mr. Manohar Lal Bhardwaj, the Activity In-Charge.

The lake at Jhansla is a key natural resource for the local community, but gradual waste accumulation had affected its cleanliness and environmental balance. Understanding their role as future maritime professionals, the cadets undertook the initiative to support environmental care and community responsibility, continuing the spirit of a previous clean-up held at the same site on 28th September 2024.

During the drive, the cadets collected plastic waste, bottles, wrappers, and other non-biodegradable materials from the lake and its surroundings. Their teamwork and coordinated efforts helped restore the lake's cleanliness and natural appearance. Alongside the cleaning, the cadets also interacted with villagers to raise awareness about the importance of proper waste disposal and maintaining shared natural spaces.

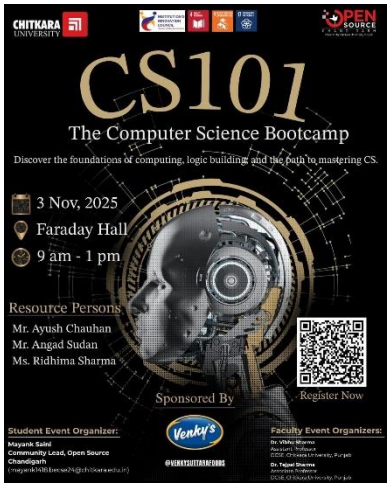
This activity reflects the commitment of CUSMS to instill values of discipline, civic responsibility, and environmental stewardship in its cadets. The drive concluded successfully,

making a positive impact on both the environment and the local community, while promoting the message of sustainability during Indian Maritime Week 2025.




| Event Details | |
|---|---|
| Event Type | Expert Talk |
| Topic | Cs101: The Computer Science Bootcamp |
| Date | 2025-11-03 To 2025-11-03 |
| Mode | Offline |
| Venue | Faraday Hall, Edison Block (Chitkara University, Punjab Campus) |
| Organizer Name | Open-Source Chandigarh |
| Resource Person | Dr Tejpal Sharma, Associate Professor, Chitkara University \| Dr Vibhu Sharma, Assistant Professor, Chitkara University |
| No. Of Participants | 164 |
| SDG No | SDG 7: Affordable and Clean Energy, SDG 9: Industry, Innovation and Infrastructure, SDG 14: Life Below Water, SDG11: Sustainable Cities and Communities |
| Po Number(S) | Po3 |
| University Charter | Let's Educate Our Students for Brilliant Futures |

## OBJECTIVE




• Build basic understanding of coding, algorithms, and core CS concepts.
• Introduce simple, hands-on Android app development.
• Help students use key developer tools in real workflows.
• Strengthen logical thinking and problem-solving skills.
• Guide students toward a clear learning path for future tech growth.

## DESCRIPTION

The Open-Source Community successfully organized "CS101: The Computer Science Bootcamp" on 3rd November 2025 at Faraday Hall, Chitkara University, offering first- and second-year students a comprehensive and engaging introduction to the world of computer science. Designed to transform curiosity into clarity, the bootcamp served as a •complete guide for beginners eager to understand the essence of technology, programming, and modern innovation. Expert speakers Mr. Ayush Chauhan, Mr. Angad Sudan, and Ms. Ridhima Sharma led the session with remarkable energy, taking

the audience through foundational concepts such as algorithms, problem-solving techniques, and live coding demonstrations, all presented in an easy-to-understand and interactive manner. The participants explored not only the basics but also emerging tech domains like Web3 and the latest advancements driving the future of computing, gaining a clearer picture of the rapidly evolving digital landscape. To ensure a highly engaging experience, the event featured interactive games, quizzes, and open discussions that helped students grasp complex ideas while building confidence and collaborative spirit. Another key highlight was the introduction to essential developer tools, coding environments, and professional platforms like GitHub and LinkedIn, equipping students with both the technical and personal development skills required to grow in the tech world.

## OUTCOMES

- Students will be able to apply basic coding and algorithmic concepts.
- They will build a simple Android app on their own.
- They will feel comfortable using essential developer tools.
- Their problem-solving and logical thinking skills will improve.
- They will gain clarity on how to continue learning and grow in tech.


| | |
|---|---|
| Event Name | SustainX Tech: Industry Leadership Forum on Integrated Waste Management Solutions |
| Date | 11th Nov., 2025 |
| Venue | Hyatt Centric, Sector -17 Chandigarh |
| Department | CURIN |
| Resource Person | Industry Leaders \| Chief Guest: Er. Pritpal Singh Executive Director unjab State Council for Science & Technology (PSCST), Chandīgarh |
| Number of Participants | 75 |
| SDGs Covered | 1,2,3,6,7,8,9,11,13,14,15,16,17 |
| Duration | One Day Event |

## Objective of the Event

SustainX Tech event aims to target the industry leaders to enable creativity in the products and target the niche marketplace. The event will bring together ISARG Partners (Industry, Service Providers, Aggregators, Researchers and Government Representatives). This event was being organised under the Centre of Excellence on Full Cycle Processing of Agriculture Waste to Wealth (PAWW) and hosted by CURIN, Chitkara University, Punjab.

Key Highlights of the Event

"SustainX Tech: Industry Leadership Forum on Integrated Waste Management Solutions"

SustainX Tech 2025 is a Unique platform from Chitkara University Research and Innovation Network (CURIN) where the ISARG (Industries, Service-providers, Aggregators, Researchers and Government-officials) brought together under one roof.

The event was hosted by Chitkara University, Punjab in partnership with NDRI Karnal, PAU Ludhiana, PSCST Chandigarh, and PRSC, Punjab was organised under CoE on Agriculture Residue Management. The industry academia networking event was held at Hyatt Centric Chandigarh on 11th November 2025 which witnessed 32 Industry Leaders, 14 Senior Government Officials and Policy Makers, 2 NGOs, 26 Researchers and with a total of 74 participants.

The event featured thought-provoking discussions, industry presentations, recognition of sustainability champions, and demonstrations of cutting-edge facilities. The event was graced by Hon'ble Pro-Chancellor Dr. Madhu Chitkara, who inspired everyone with her vision for sustainability and innovation.

## Event Outcomes

SustainX Tech has truly strengthened the bridge between researchers, industries and Government to co-create impactful, technology-driven waste management solutions. SustainX sparked new ideas and plenty of appreciation for impactful collaboration.

## Glimpse of the Event



CHITKARA
UNIVERSITY
SustainX Tech
Industry Leadership Forum on Integrated
Waste Management Solutions


CHITKARA
UNIVERSITY
CHITKARA
UNIVERSITY

| | | | |
|---|---|---|---|
| Event | MMS – "Voices of Tomorrow's Maritime Leaders" Elocution Competition 2025 | | |
| Date / Time | 28th Nov 2025 / 1500 Hrs. onwards | Mode: | Offline |
| Location / Link | Final: The Orchid, Vile Parle – Mumbai/ Preliminary: Tesla block Chitkara University, Punjab | | |
| Activity In-charge | Capt. Pratik Khatu | | |
| No. of Participants | 3 Cadets | | |
| Resource Person (if any) | --- | | |
| SDG | 4 – Quality Education; 8 – Decent Work and Economic Growth; 9 – Industry, Innovation and Infrastructure; 14 – Life Below Water; 17 – Partnerships for the Goals | | |

## REPORT


The MMS Group, in collaboration with SailorsHUB, organized the prestigious "Voices of Tomorrow's Maritime Leaders" Elocution Competition 2025, aimed at providing a national platform for aspiring seafarers to articulate their thoughts, dreams, and vision for the future of the maritime industry. From Chitkara University School of Maritime Studies, a total of ten cadets from BY 2023 and BY 2024 submitted their names for participation. To identify the best speakers for the national-level event, an internal shortlisting round was conducted on 1st November 2025. The preliminary evaluation was judged by Pro Vice Chancellor (Marine) Capt. Prabhat Nigam, Vice Principal Er. Jasjeet Suri, and Course In charge Capt. Ajay Bhardwaj. Cadets were assessed on two thought-provoking themes: "Sailing into 2030: Maritime Powering Viksit Bharat" and "Cadet to Captain/Chief Engineer: My Dream Voyage in Atmanirbhar Maritime India."

Conducted online, the preliminary round enabled the judges to evaluate clarity, depth of content, conceptual understanding, maritime awareness, and overall oratory skills. After a

competitive and insightful session, three cadets were shortlisted to represent Chitkara University at the national stage: Cadet Mohit (BY 2023), Cadet Shivanchal Sharma (BY 2024), and Cadet Swaranjeet Singh Walia (BY 2024).

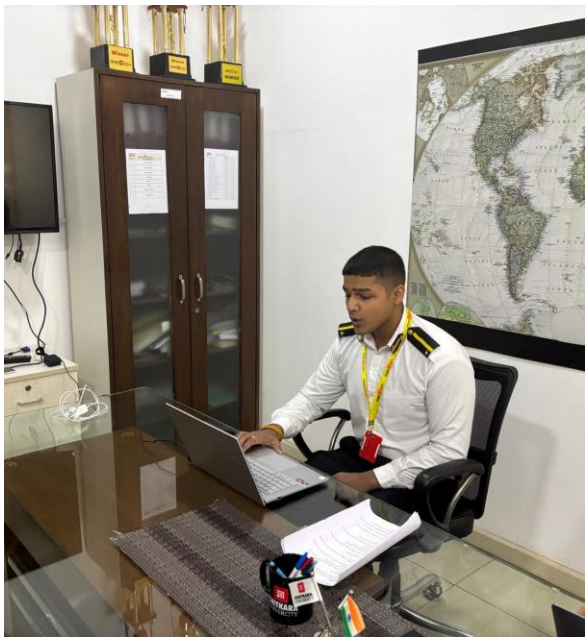
Among them, Cadet Swaranjeet Singh Walia advanced to the Grand Finale held on 28th November 2025 at The Orchid, Vile Parle, Mumbai, after successfully clearing the preliminary stages of the national competition. At the grand event, attended by eminent maritime professionals, industry leaders, and academicians, Swaranjeet delivered a powerful and emotionally resonant speech marked by clarity, depth, confidence, and visionary thinking. His impactful performance earned him Rank 3 at the national level, a remarkable accomplishment that brought immense pride to Chitkara University School of Maritime Studies.

The finale showcased outstanding communication skills and maritime awareness from cadets across the country, highlighting the growing importance of leadership, articulate expression, and forward-thinking perspectives in shaping the future of India's maritime domain.

Chitkara University extends heartfelt congratulations to Cadet Mohit, Cadet Shivanchal Sharma, and Cadet Swaranjeet Singh Walia for their commendable participation and representation. A special note of pride goes to Cadet Swaranjeet for securing the 3rd Rank nationally, an achievement that stands as a source of inspiration for all aspiring maritime professionals and reinforces the university's commitment to nurturing confident, competent, and visionary leaders for the maritime industry.

**Photos of the Event**


MMS Group in collaboration with SAILORSHUB
announces an
"ELOCUTION COMPETITION"
2025
VOICES OF TOMORROW'S MARITIME LEADERS
MEET THE TOP 10 FINALISTS
Aekam Gill
AEMA
Swarnjeet Walia
Chitkara
Anandhu P S
HIMT
Kshitig Gupta
TMI
Mukta Purandare
TS Rahaman
Aaruz Munz
IMU Chennai
Isham Ahmed
IMU Kolkata
Mohammed Landge
TS Rahaman
Riddhi Poojary
Ganpat University
Arshita Arya
TMI




ANCHORED IN LEGACY

| | | | |
|---|---|---|---|
| Event | A One-Day Seminar on "Sustainability and Innovations / Advancements in Marine Technology" | | |
| Date / Time | 13th Dec 2025 / 1030 Hrs. onwards | Mode: | Offline |
| Location / Link | Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh | | |
| Activity In-charge | Er. Jasjeet Suri | | |
| No. of Participants | 17 Cadets B.Sc. NS & 2 Faculty | | |
| Resource Person (if any) | --- | | |
| SDG | 4 – Quality Education;9 – Industry, Innovation and Infrastructure;13 – Climate Action; 14 – Life Below Water;17 – Partnerships for the Goals | | |

**REPORT**

A One Day Seminar on "Sustainability and Innovations / Advancements in Marine Technology" was successfully organized on Saturday, 13th December 2025, at Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh. The seminar was jointly organized by the Punjab and Chandigarh State Centre of The Institution of Engineers (India) under the aegis of the Marine Engineering Division Board, IEI, in collaboration with the Institute of Marine Engineers (India), Chandigarh Chapter. The programme commenced with registration and tea, followed by the inaugural function, which began with the garlanding of the bust of Sir Mokshagundam Visvesvaraya, symbolizing reverence for engineering excellence. Prof. (Dr.) Baljit Singh Khehra, FIE, Chairman, IEI Punjab & Chandigarh State Centre, delivered the welcome address and highlighted the growing importance of sustainability and innovation in the marine and maritime sectors.

The inaugural session was graced by the Guest of Honour, Capt. (Dr.) Nitin Agarwala, Indian Navy, who shared valuable insights on emerging marine technologies, operational challenges, and sustainability initiatives within naval and marine engineering. The Chief Guest, Er. Manoj Kumar Sinha, General Manager (Lubes), IOCL Punjab, emphasized the role of industry-driven innovation, green technologies, and efficient lubrication systems in achieving sustainable marine operations. An address by Er. Iqbal Singh, Chairman, IMEI Chandigarh Chapter, followed by the presentation of mementoes to the dignitaries, marked the conclusion of the inaugural session.

The seminar then progressed into an engaging technical session, featuring expert lectures from academia and industry. Among the key speakers, Er. Jasjeet Suri, Vice-Principal, Chitkara University School of Maritime Studies (CUSMS), delivered a thought-provoking lecture titled "From Resilient Materials to Resilient Minds – Sailing Towards Sustainability at Sea." His lecture focused on sustainability and innovation in marine technology, beginning with a clear explanation of what sustainability and innovation truly mean. Sustainability was explained using the Triple Bottom Line approach—Planet, People, and Profit, along with its alignment to the United Nations Sustainable Development Goals (SDGs), emphasizing measurable performance indicators such as the Carbon Intensity Indicator (CII). Innovation was clearly distinguished from mere invention, highlighting that real progress in marine technology is driven by practical application, adaptability, and continuous improvement.

A key emphasis of his session was the transition from a traditional safety-focused mindset to a broader sustainability- and innovation-oriented mindset. While safety primarily addresses immediate risk prevention, sustainability encourages long-term thinking related to environmental impact, efficient resource utilization, and responsibility towards future generations. Participants were encouraged to critically reflect on how present-day actions influence the health of future oceans. The lecture further discussed emerging innovations such as advanced anti-fouling coatings, resilient materials, and clean energy propulsion systems, reinforcing the idea that true maritime sustainability depends not only on technological advancements but also on an evolved, forward-looking human mindset.

Other invited speakers included Dr. Manpreet Kaur, HOD Research & Innovation, BBSBEC Fatehgarh Sahib; Er. Arjun G. Singh Tuteja, Technical Service Manager, Indian Oil Corporation; Capt. Prabhat Nigam, Vice-Chancellor, Chitkara University School of Maritime Studies; and Er. Munish Sharma, Technical Director, Royal Marine Ship Management Pte. Ltd. Their sessions covered diverse topics related to sustainable practices, research innovations, fuel efficiency, leadership in maritime operations, and modern ship management.

Faculty members Er. Jasjeet Suri, Vice-Principal, Mr. Manohar Lal Bhardwaj, Marine Swimming Instructor CUSMS, and Er. Tirlochan Singh, Ex-Faculty of Chitkara University School of Maritime Studies (CUSMS) actively participated in the seminar along with 17 cadets of Batch Year 2023. Their participation provided valuable academic and practical exposure to the cadets, enhancing their understanding of real-world maritime challenges, current industry practices, and sustainable marine technologies, while fostering meaningful interaction between academia and industry professionals.

The seminar concluded with a Vote of Thanks proposed by Dr. Jatinder Singh Saini, FIE, Honorary Joint Secretary, IEI Punjab & Chandigarh State Centre, followed by the National Anthem. A networking lunch was organized thereafter. Overall, the seminar proved to be highly informative and impactful, serving as an effective platform for knowledge sharing, industry–academia collaboration, and discussion on sustainable and innovative solutions in marine technology.

## Photos of the Event




The Institution of Engineers (India)
Punjab & Chandigarh State Centre, Chandigarh

| | | | |
|---|---|---|---|
| Event | Global Summit on Technology, R&D, and IP | | |
| Date / Time | 16–17 December 2025/ 1000 Hrs. onwards | Mode: | Offline |
| Location / Link | Hotel Le Meridien, New Delhi | | |
| Activity In-charge | Confederation of Indian Industry (CII) | | |
| No. of Participants | 1 Cadet (Aryan Thakur Academic Delegate) | | |
| Resource Person (if any) | --- | | |
| SDG | 4 – Quality Education; 8 – Decent Work and Economic Growth; 9 – Industry, Innovation and Infrastructure; 14 – Life Below Water; 17 – Partnerships for the Goals | | |

**REPORT**

The Global Summit on Technology, R&D, and IP, titled *"From Dependence to Dominance: Research, Deep Tech, and IP for AtmaNirbhar Bharat"*, was held from 16 to 17 December 2025 at Hotel Le Meridien, New Delhi. The summit was organized by the Confederation of Indian Industry (CII) and focused on strengthening India's research, innovation, deep technology, and intellectual property ecosystem in alignment with the vision of AtmaNirbhar Bharat. The event brought together policymakers, industry leaders, researchers, academicians, and students to deliberate on India's transition from technological dependence to global dominance. Aryan Thakur, an academic delegate from Chitkara University, participated in the summit and gained valuable exposure to contemporary discussions on innovation policy, R&D funding, deep-tech advancements, and intellectual property strategy.

The first day of the summit commenced with an opening session featuring eminent representatives from CII, NITI Aayog, and the Government of India. Several flagships reports on deep technology, artificial intelligence, robotics, and women in STEM were launched, setting the tone for the event. The initial sessions focused on developing a technology and IP roadmap for AtmaNirbhar Bharat, highlighting India's growing patent ecosystem, startup innovation, and sectoral advancements in areas such as artificial intelligence, defence, electronics, green energy, robotics, and automation. Further discussions examined global technology trends and India's position in the international innovation landscape, emphasizing

opportunities in next-generation technologies and the adoption of best practices from global ecosystems.

A special ministerial plenary address was delivered by Dr. Jitendra Singh, Hon'ble Minister of Science and Technology, who highlighted the significance of the Research, Development, and Innovation (RDI) Scheme with a ₹1 lakh crore corpus aimed at promoting industry-led research and innovation. Subsequent sessions explored the deep-tech frontier, focusing on the role of robotics, drones, and automation in transforming manufacturing, healthcare, agriculture, and defence sectors. Discussions on emerging technologies and Standard Essential Patents (SEPs) emphasized the importance of robust intellectual property frameworks, FRAND commitments, and India's growing role in shaping a fair and future-ready SEP ecosystem. The day concluded with the felicitation of CII Industrial Innovation Awards followed by a networking dinner, which provided opportunities for interaction with industry professionals and policymakers.

The second day of the summit focused on inclusivity, intellectual property strategy, and strengthening industry–academia collaboration. The felicitation of CII Awards for Women in STEM recognized the significant contributions of women leaders in science, technology, and innovation. Sessions highlighted intellectual property as a strategic asset in the deep-tech era, emphasizing its role in attracting investment, enabling global partnerships, and scaling emerging technologies such as artificial intelligence, quantum computing, and biotechnology. Panel discussions on reimagining industry–academia collaboration explored innovative models involving universities, industry, and government to accelerate research and development, nurture skilled talent, and translate academic research into market-ready solutions.

In addition to the main sessions, parallel engagements such as the IP Masterclass and the CII–DSIR Round Table on Industrial R&D and Funding provided deeper insights into global intellectual property systems and industrial R&D financing mechanisms. The summit concluded with the felicitation of CII Industrial IP Awards, recognizing organizations and professionals who have made significant contributions to India's IP-driven innovation ecosystem.

Overall, the Global Summit on Technology, R&D, and IP proved to be an intellectually enriching and professionally valuable experience. Participation in the summit enabled Aryan Thakur to gain a comprehensive understanding of India's research and innovation policy

landscape, develop insights into deep-tech domains such as robotics, automation, and artificial intelligence, and acquire practical knowledge of intellectual property strategy and valuation. The exposure to industry–academia collaboration models and networking with policymakers, industry leaders, researchers, and innovators will significantly contribute to his academic growth and future professional pursuits.

## Photos of the Event

## *GREEN BHARAT – 2 WEEKS IMPACT CHALLENGE ACTIVITY REPORT FORMAT*

Name of Institution: CHITKARA UNIVERSITY, PUNJAB
Affiliated University: CHITKARA UNIVERSITY, PUNJAB
District/State: PATIALA/ PUNJAB
Institution Official Email ID: ces@chitkara.edu.in

Principal Name: Sqn Ldr (Dr.) Rina Angel
Principal Email ID: rina.angel@chitkara.edu.in

Nodal Officer Name: Mr. Mohit Kumar
Nodal Officer Email: mohit.1491@chitkara.edu.in
Nodal Officer Mobile No.: 9103441979

Coordinator (1) Name: Dr. Pooja Mahajan
Coordinator (2) Name: Dr. Shivani Malhotra

Coordinator (3) Name: Dr. Deeksha Thakur

Coordinator (4) Name: Mr. Brij Kishore

Total Students Participated: 164
Duration of Challenge: 14 Days
Submission Date:

### Introduction

The Green Bharat 14-Day Impact Challenge engaged students in sustainability activities including plantation, waste management awareness, energy conservation, water conservation, and environmental education to promote responsible environmental behavior.

### Objectives of the Program

1. To create environmental awareness among students regarding sustainability and climate change.
2. To promote responsible waste management practices on campus.
3. To encourage water and energy conservation habits among students.
4. To engage students in practical sustainability initiatives through field visits and activities.
5. To promote community participation in environmental protection.

6. To develop innovative ideas for sustainable campus practices.

**Summary of Activities Conducted**

| Sr. No. | Activity Name | Date | No. of Students | Key Outcome |
|---|---|---|---|---|
| 1 | Green Pledge | 23 Feb 2026 & 12 March 2026 | 164 | Students committed to adopting eco-friendly habits such as reducing waste and conserving resources. This created a sense of responsibility towards environmental protection. It also encouraged long-term behavioral change in daily life. |
| 2 | Waste Audit | 27 Feb 2026 & 19 March 2026 | 159 | Students learned to identify and segregate different types of waste effectively. This improved their understanding of waste management systems. It also promoted responsible disposal practices on campus |
| 3 | Plastic-Free Day | 26 Feb 2026 & 20 March 2026 | 161 | Students reduced the use of single-use plastics by adopting reusable alternatives. This activity raised awareness about plastic pollution. It also encouraged sustainable lifestyle choices. |
| 4 | STP Visit & Practical Learning | 11 March 2026 & 17 March 2026 | 156 | Students observed wastewater treatment processes. This provided practical exposure to environmental systems. It also helped them understand water management techniques. |
| 5 | Substation Visit | 25 Feb 2026 & | 148 | Students observed electricity distribution systems and identified energy wastage points. This improved |

| | | | | |
|---|---|---|---|---|
| | | 16 March 2026 | | their understanding of energy management. It also encouraged practical solutions for saving electricity. |
| 6 | Plantation & Biodiversity | 13 March 2026 | 161 | Students participated in plantation drives and learned about environmental benefits of plants. This strengthened their connection with nature. It also promoted biodiversity conservation on campus. |
| 7 | Cleanliness Drive | 14 March 2026 & 18 March 2026 | 164 | Students actively cleaned campus areas and maintained hygiene. This activity promoted teamwork and shared responsibility. It also improved the overall campus environment. |
| 8 | Medicinal Plant Identification & Documentation | 16 March 2026 | 80 | Students identified and documented medicinal plants along with their uses. This enhanced their knowledge of traditional medicine and biodiversity. It also improved their research and documentation skills. |
| 9 | Environmental Survey | 21 March 2026 | 80 | Students conducted surveys to identify local environmental issues. This improved their analytical and observation skills. It also helped them understand real-world environmental challenges. |
| 10 | E-Waste Awareness | 25 March 2026 | 79 | Students learned about harmful effects of electronic waste and proper disposal methods. They were encouraged to separate e-waste from regular waste. This activity helped in preventing environmental pollution caused by toxic materials. |

| | | | | |
|---|---|---|---|---|
| 11 | Paper Recycling Plant Visit | 18 March 2026 & 27 March 2026 | 164 | Students observed how wastepaper is recycled into usable products. This increased awareness about resource conservation. It also encouraged recycling practices in daily life. |
| 12 | Organic Farm Visit | 24 & 25 March 2026 | 84 | Students learned about organic farming and sustainable agriculture practices. This enhanced their understanding of eco-friendly food production. It also encouraged sustainable lifestyle choices. |
| 13 | Awareness Rally, Quiz & Poster Presentation | 21 March 2026 & 22 March 2026 | 164 | Students participated in rallies and poster making on environmental topics. This improved engagement and knowledge dissemination. It also helped in spreading awareness among a larger audience. |
| 14 | Session on Rainwater Harvesting | 23 March 2026 | 84 | The session on Rainwater Harvesting provided students with practical knowledge about the importance of conserving water and utilizing natural resources efficiently. They were guided on how rainwater can be collected, stored, and reused at homes or workplaces through simple and cost-effective methods. |
| 15 | Green Innovation Ideas | 3 April 2026 | 164 | Students proposed innovative solutions to environmental problems. This activity enhanced creativity and problem-solving skills. It also encouraged students to think about sustainable development. |

## Detailed Activity Report

The Green Bharat 14-Day Impact Challenge was organized at Chitkara University to encourage students to actively participate in sustainability initiatives and develop environmentally responsible behaviour.

## Green Pledge

The Green Pledge initiative marked the beginning of the sustainability drive, wherein students committed to adopting eco-friendly practices in their daily lives. They pledged to reduce waste generation, conserve natural resources, and promote sustainable living. This activity instilled a strong sense of environmental responsibility and encouraged long-term behavioural transformation among students.

## Waste Audit

The Waste Audit activity provided students with practical exposure to waste identification and segregation. A detailed session was conducted by **Dr. Pooja Mahajan**, who elaborated on types of waste, segregation techniques, color-coded waste bins, and the principles of the **6Rs (Refuse, Reduce, Reuse, Recycle, Recover, Redesign)**. Students actively participated in analysing campus waste, which enhanced their understanding of waste management systems and promoted responsible disposal practices.

## Plastic-Free Day

Plastic-Free Day was observed to emphasize the reduction of single-use plastics and promote sustainable alternatives. A special session titled **"Rethink, Reduce, Recycle Plastic & Circular Economy"** was conducted by experts from the Indian Plastics Institute (IPI), including **Dr. Sanjeev Gupta (Honorary Secretary)** and **Dr. Amit Chawla (Chapter President)**. Their insights helped students understand the environmental impact of plastic and the importance of circular economy practices.

Students actively engaged by using cloth vending machines and switching to reusable alternatives such as cloth bags and metal bottles. The activity significantly raised awareness about plastic pollution and encouraged environmentally responsible lifestyle choices.

## STP Visit & Practical Learning

Students visited the Sewage Treatment Plant (STP) to observe wastewater treatment processes and understand the functioning of environmental management systems. This hands-on experience provided valuable insights into water conservation and treatment techniques.

Additionally, a session on **"Catch the Rain: Rainwater Harvesting Awareness"** was conducted by **Dr. Jyotsna Kaushal**, where students learned about groundwater recharge methods and practical techniques for constructing rainwater harvesting systems. The combined exposure strengthened their understanding of sustainable water management practices.

**Substation Visit**

During the substation visit, students observed electricity distribution systems and identified areas of energy wastage. They were also introduced to solar energy solutions used on campus, enhancing their understanding of energy efficiency and conservation. The session was conducted by **Mr. Kulbir Singh**, Superintending Engineer.

The visit also provided practical insights into how renewable energy can be integrated into existing infrastructure. Students developed a better appreciation of real-time energy management and the importance of adopting sustainable practices. This experience encouraged them to think critically about energy use in their daily lives.

**Plantation & Biodiversity**

Students actively participated in plantation drives and gained knowledge about the ecological and environmental benefits of trees and plants. They were guided on how vegetation contributes to biodiversity conservation, climate regulation, and ecological balance. This activity strengthened their connection with nature and promoted environmental stewardship.

**Cleanliness Drive**

The Cleanliness Drive engaged students in maintaining hygiene and cleanliness both on campus and in surrounding areas. Activities included campus cleaning and lake cleanliness drives, as well as initiatives in students' local communities. This fostered teamwork, discipline, and a shared sense of responsibility while contributing to a cleaner and healthier environment.

**Medicinal Plant Identification & Documentation**

Students participated in identifying medicinal plants and documenting their uses. This activity enhanced their understanding of traditional medicine and biodiversity. It also improved their research, observation, and documentation skills, encouraging a deeper appreciation for natural resources.

**Environmental Survey**

Students conducted environmental surveys to identify local environmental issues and challenges. This activity enhanced their analytical and observational skills while providing practical exposure to real-world environmental concerns. It also encouraged critical thinking and problem-solving abilities.

**E-Waste Awareness**

An awareness session on electronic waste management was conducted by **Mr. Pawan Kumar Gupta**, who shared his expertise on the harmful effects of e-waste and proper disposal techniques. Students learned about recycling, reusing, and safe disposal of electronic waste. This activity emphasized the importance of segregating e-waste and reducing environmental pollution caused by hazardous materials.

**Paper Recycling Plant Visit**

Students visited a paper recycling plant to understand the process of converting wastepaper into reusable products. **Mr. Sanjeev Bhardwaj** provided detailed insights into the recycling process. Students also observed various products made from recycled paper, such as notepads, file covers, and sustainable trophies. This visit reinforced the importance of recycling and resource conservation.

**Organic Farm Visit**

The Organic Farm Visit provided students with exposure to sustainable agricultural practices and eco-friendly food production methods. They learned about initiatives such as composting, biogas plants, and organic farming techniques, enhancing their understanding of environmental sustainability. The session was conducted by **Mr. Hamid Raza**, Senior Horticulturist.

**Awareness Rally, Online Quiz & Poster Presentation**

Students actively participated in awareness rallies and poster presentations on environmental themes, helping spread awareness within the community. Additionally, an online quiz competition was conducted to assess and enhance students' knowledge of environmental issues. These activities promoted creativity, engagement, and knowledge dissemination.

**Green Innovation Ideas**

In this activity, students presented innovative solutions to environmental challenges. They showcased ideas developed during the 14-day activity series and shared key learnings and outcomes. This initiative fostered creativity, critical thinking, and problem-solving skills while encouraging students to contribute actively to sustainable development.

**Measurable Impact**

Total Trees/Plants Planted: **85**
Plastic Usage Reduced (Approx.): **10-12 kgs**
Cloth Bags Distributed: **164**

E-Waste Collected: **1.5 kg**
Water Leakage Points Identified: **2**
Students Using Sustainable Transport: **76**
Community Members Reached: **180+**

**Green Innovation Highlights**

1. Students proposed innovative and practical solutions to address real-world environmental challenges such as waste management, energy conservation, and water sustainability.
2. Several ideas focused on promoting a **circular economy**, including recycling models, reuse strategies, and sustainable product design.
3. Innovative concepts like **smart waste segregation systems**, eco-friendly alternatives to plastics, and low-cost water conservation techniques were presented.
4. Students integrated technology with sustainability by suggesting solutions such as **IoT-based energy monitoring** and efficient resource management systems.
5. The activity encouraged **interdisciplinary thinking**, combining environmental science with engineering, technology, and social awareness.
6. Students showcased creativity through presentations demonstrating their problem-solving and analytical skills.
7. The initiative fostered a spirit of innovation and responsibility, motivating students to actively contribute toward sustainable development and green practices.

## Proposed Long-Term Green Initiatives

1. **Expansion of Campus Tree Plantation Programs:** Increasing plantation drives will enhance green cover and improve air quality on campus, while also supporting biodiversity conservation. It will contribute to creating a healthier and more sustainable ecosystem.
2. **Establishment of a Zero-Waste Campus Initiative:** Implementing a zero-waste system will promote waste reduction, segregation, and recycling practices across campus. This will minimize landfill waste and encourage responsible consumption habits.
3. **Installation of Additional Rainwater Harvesting Systems:** Expanding rainwater harvesting infrastructure will help conserve water and recharge groundwater levels. It will also ensure efficient and sustainable water management on campus.
4. **Expansion of Composting and Organic Waste Management Units:** Enhancing composting facilities will enable effective conversion of organic waste into nutrient-rich manure. This will reduce waste disposal issues and support sustainable landscaping practices.
5. **Promotion of Sustainable Transportation such as Cycling:** Encouraging cycling and other eco-friendly transport options will reduce carbon emissions and traffic congestion. It will also promote a healthier and more active lifestyle among students and staff.
6. **Regular Sustainability Awareness Workshops and Campaigns:** Conducting regular awareness programs will educate students about environmental challenges and sustainable solutions. This will foster long-term behavioural change and active participation.
7. **Integration of Sustainability Activities into Student Learning Programs:** Incorporating sustainability into academic and co-curricular activities will enhance experiential learning. It will equip students with the knowledge and skills to address real-world environmental challenges effectively.

## Student Testimonials

https://drive.google.com/drive/folders/14DwYFieVbdFvhp5i0W0gBxCo3DW4ICY5?usp=sharing

## Institutional Outcomes

1. Enhanced environmental awareness and responsibility among students and staff, leading to the adoption of sustainable practices in daily life.

2. Strengthened integration of theoretical knowledge with practical learning through field visits, surveys, and hands-on activities.
3. Improved campus sustainability through initiatives such as waste management, energy conservation, and water management practices.
4. Increased student engagement and participation in environmental activities, fostering teamwork, leadership, and problem-solving skills.
5. Development of innovation and critical thinking through green initiatives and solution-oriented projects.
6. Contribution towards achieving institutional sustainability goals and alignment with national and global frameworks such as SDGs.

## Conclusion

The Green Bharat 14-Day Impact Challenge successfully engaged students in a wide range of practical environmental activities, fostering sustainability awareness and responsible behaviour. The program not only enhanced students' knowledge and skills but also encouraged active participation in environmental protection and the adoption of sustainable practices across the campus, contributing to long-term ecological responsibility.

It also created a deeper understanding of environmental challenges and the importance of sustainable living among students. The initiative strengthened awareness about resource conservation, waste management, and climate action, inspiring students to become proactive ambassadors of sustainability in their communities

## ANNEXURE

Photographs (Minimum 5 – Maximum 10)s


**SDG 14 (Life Below Water) JULY 25 – JUNE 26**


IPI Introduction
Indian Plastics Institute (IPI)


CHITKARA UNIVERSITY




**SDG 14 (Life Below Water) JULY 25 – JUNE 26**

**Verified by:**

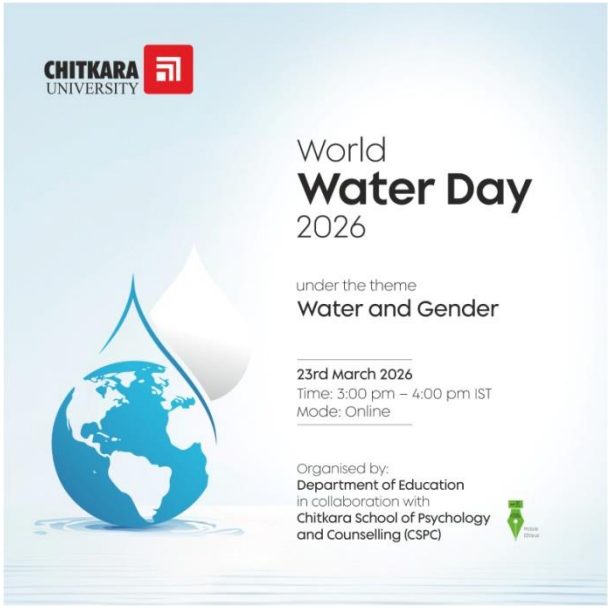
| | | |
|---|---|---|
| | | |
| **Coordinator (1)** | **Coordinator (2)** | **Coordinator (3)** |

**Head of the Institution**

**Sign and Stamp**

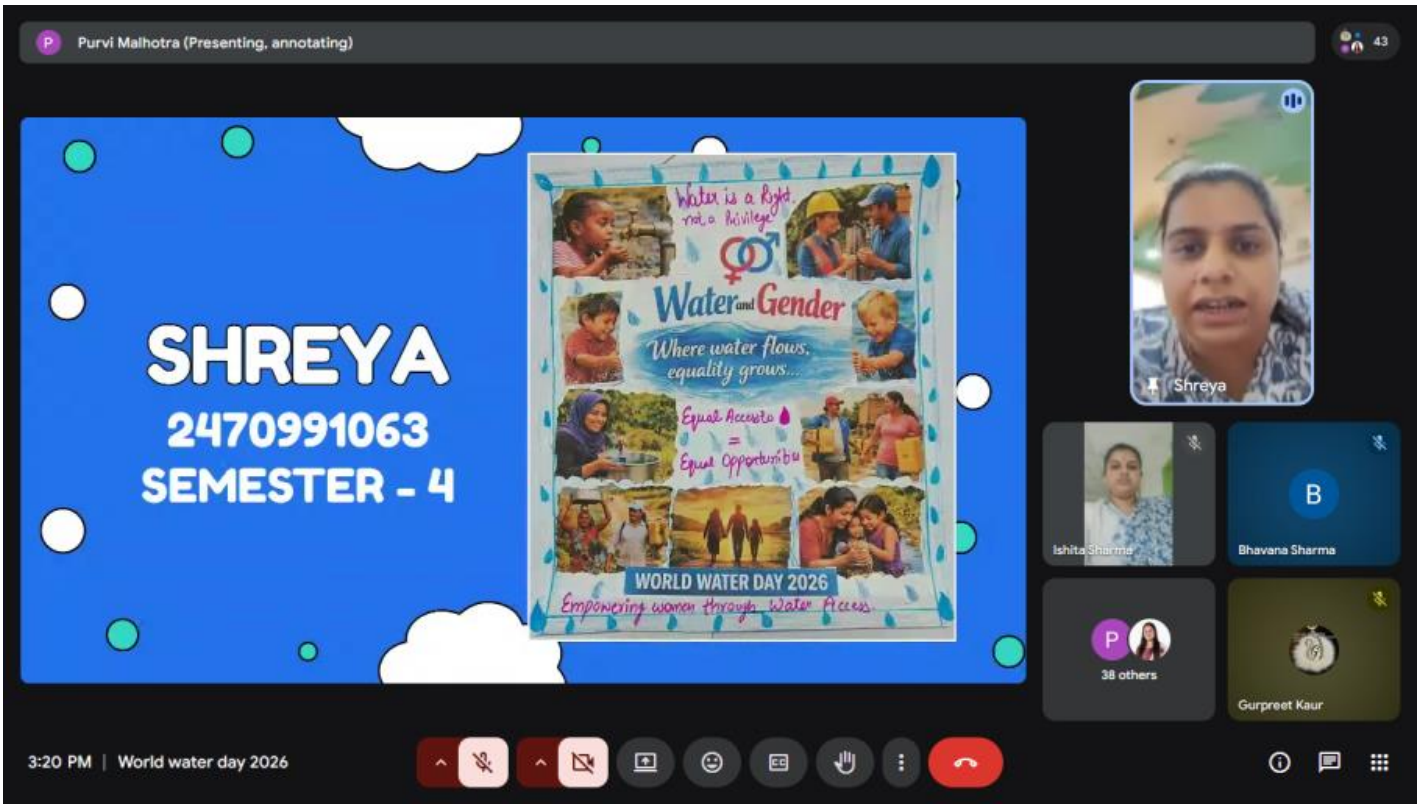
| | |
|---|---|
| Event Name | World Water Day 2026: Water and Gender |
| Date | 23rd March 2026 |
| Venue | Google Meet |
| Organizer | Department of Education |
| Resource Person | Dr Sangeeta Pant, Dean, Department of Education |
| Number of Participants | 36 |
| SDGs Covered | 4, 5, 6, 12, 14 |
| Duration | One Hour |

## About the Activity




To mark the global observance of ***World Water Day*** on 23rd March 2026, the Department of Education, in collaboration with the Chitkara School of Psychology and Counseling, Chitkara University, Punjab, organized an engaging online co-curricular event centered on the theme "Water and Gender." The event aimed to highlight the critical relationship between water accessibility and gender equality while promoting awareness about sustainable water practices.

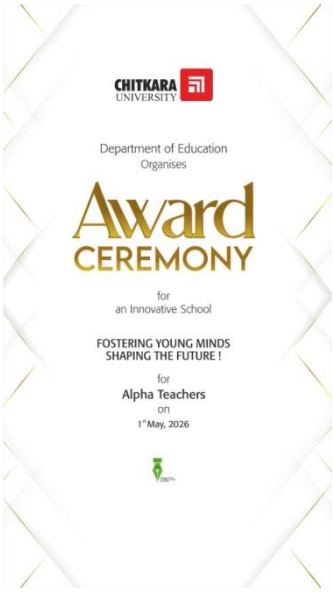
Students actively participated in a variety of creative and thought-provoking activities. The *"Water Through the Lens" Photography Activity* beautifully captured real-life perspectives on water and gender, while the *"Water Mosaic" Collage Activity* reflected artistic expressions of water conservation and community responsibility. The *Creative Writing Competition—"Echoes of Water"*—provided a platform for participants to express their ideas through essays, poems, and short stories on topics like "A Day Without Water" or "Women as Guardians of Water."


Purvi Malhotra (Presenting, annotating)
43
SHREYA
2470991063
SEMESTER - 4
Water is a Right, not a Privilege
Water and Gender
Where water flows, equality grows...
Equal Access = Equal Opportunity
WORLD WATER DAY 2026
Empowering women through Water Access
Shreya
Ishita Sharma
B
Bhavana Sharma
P
38 others
Gurpreet Kaur
3:20 PM | World water day 2026


Purvi Malhotra (Presenting, annotating)
39
PHALGUNI
2570991021
SEMESTER - 2
Phalguni Tewari Kumar
D
Deepika Sharma
Ishita Sharma
P
34 others
Gurpreet Kaur
3:11 PM | World water day 2026

| | |
|---|---|
| Event Name | Award Ceremony<br>*"Fostering young minds – Shaping the Future!"* |
| Date | 1st May 2026 |
| Venue | Carnegie Hall, Rockefeller Building, Chitkara University, Punjab |
| Organizer | Department of Education |
| Resource Person | Ms. Alka Thapa Principal, Chitkara International School, Panchkula & Ms. Vandana Saggi, Associate Vice Principal, Junior Wing, Chitkara International School, Chandigarh |
| Number of Participants | 36 |
| SDGs Covered | 4, 5, 6, 12, 14 |
| Duration | One Hour |

## About the Activity



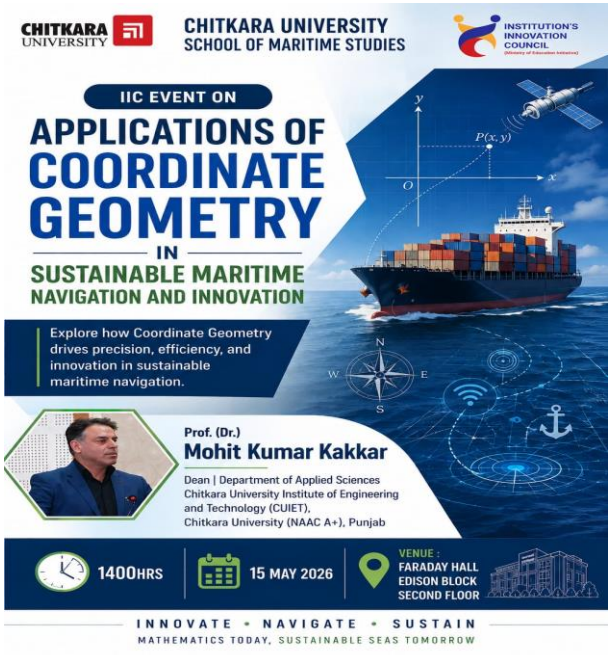

To mark the global observance of ***World Water Day*** on 23rd March 2026, the Department of Education, in collaboration with the Chitkara School of Psychology and Counseling, Chitkara University, Punjab, organized an engaging online co-curricular event centered on the theme "Water and Gender." The event aimed to highlight the critical relationship between water accessibility and gender equality while promoting awareness about sustainable water practices.

Students actively participated in a variety of creative and thought-provoking activities. The *"Water Through the Lens" Photography Activity* beautifully captured real-life perspectives on water and gender, while the *"Water Mosaic" Collage Activity* reflected artistic expressions of water conservation and community responsibility. The *Creative Writing Competition—"Echoes of Water"*—provided a platform for participants to express their ideas through essays, poems, and short stories on topics like "A Day Without Water" or "Women as Guardians of Water."


AWARD
CEREMONY

| | | | |
|---|---|---|---|
| Event | Applications of Coordinate Geometry in Sustainable Maritime Navigation and Innovation | | |
| Date / Time | 15th May 2026 / 1400 Hrs. onwards | Mode: | Offline |
| Location / Link | Faraday Hall, Edison Block, Second Floor,CUPB | | |
| Activity In-charge | Ms. Reetika Sharma | | |
| No. of Participants | 84 Cadets & 15 Faculty | | |
| Resource Person (if any) | Prof. (Dr.) Mohit Kumar Kakkar | | |
| SDG | 4 – Quality Education; 9 – Industry, Innovation and Infrastructure;<br>14 – Life Below Water | | |

## REPORT




The School of Maritime Studies, Chitkara University, under the aegis of the Institution's Innovation Council (IIC), successfully organized an expert talk on **"Applications of Coordinate Geometry in Sustainable Maritime Navigation and Innovation"** on **15th May 2026 at 1400 hrs onwards** in **Faraday Hall, Edison Block, Second Floor**. The event was conducted with the objective of enhancing students' understanding of the practical applications of mathematical concepts, particularly coordinate geometry, in the field of maritime navigation, marine technology, and sustainable shipping operations. The expert session was delivered by **Prof. (Dr.) Mohit Kumar Kakkar**, Dean, Department of Applied Sciences, Chitkara University Institute of Engineering and Technology (CUIET), Chitkara University, Punjab. Prof. Kakkar shared valuable insights into how coordinate geometry forms the foundation of various modern navigation and positioning systems used in the maritime industry. He explained the role of mathematical models in determining ship positioning, route optimization, satellite navigation, radar plotting,

marine communication systems, and efficient voyage planning. During the session, the speaker elaborated on the importance of coordinate systems in Global Positioning Systems (GPS), Electronic Chart Display and Information Systems (ECDIS), and maritime surveillance technologies. He highlighted how mathematical calculations are essential for safe navigation, collision avoidance, tracking of vessels, and sustainable maritime operations. The session also emphasized the growing importance of technological innovation and data-driven navigation systems in the modern shipping industry.

Prof. Kakkar further discussed the integration of mathematics with emerging maritime technologies such as autonomous ships, smart navigation systems, satellite-based monitoring, and digital mapping. He explained how coordinate geometry contributes to improving navigational accuracy, operational efficiency, fuel optimization, and environmental sustainability in maritime transportation. Real-world examples and practical applications were presented to help cadets understand the relevance of mathematical concepts in their future professional careers at sea.

The event witnessed active participation from cadets of **Batch 2023, Batch 2024, and Batch 2025** of the School of Maritime Studies. A total of **84 cadets** and **15 faculty members** attended the expert talk. The students actively interacted with the speaker during the session and gained a deeper understanding of the practical implementation of mathematical concepts in navigation and marine operations. An interactive question-and-answer session was conducted at the end of the lecture, where cadets discussed various topics related to navigation technologies, maritime innovation, and career opportunities in technologically advanced maritime sectors. The speaker addressed students' queries and motivated them to develop analytical and problem-solving skills essential for modern maritime professionals.

The expert talk proved to be highly informative, interactive, and academically enriching for all participants. The session successfully promoted innovation, interdisciplinary learning, and awareness regarding the role of mathematics in sustainable maritime development. The School of Maritime Studies expressed its sincere gratitude to Prof. (Dr.) Mohit Kumar Kakkar for delivering an insightful session and inspiring the cadets toward the practical applications of mathematics in the maritime industry.





| Event Details | |
|---|---|
| Event Type | NSS Activity |
| Event Name | Tree Plantation Drive on World Environment Day |
| Topic/Theme | Inspired by Nature. For Climate. For Our Future |
| Date | 5th June, 2026 |
| Mode | Offline |
| Venue | Yellow Point Farm |
| Organizer Name | Ms. Preetika (Nursing Tutor), Ms. Reepika (Assistant Professor) |
| No. of Participants | 08 |
| Number of impacted people | |
| SDG No. | SDG 6: Clean Water and Sanitation, SDG 7: Affordable and Clean Energy, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production, SDG 13: Climate Action, SDG 14: Life Below Water, SDG 15: Life on Land |
| PO | PO3, PO5, PO9, PO12 |
| University Charter | Let's Prepare our students for the industry, Let's inculcate team spirit and camaraderie among our students, Let's Educate our students for brilliant futures, Let's encourage our students to think out of the box. |

**Objectives**

1. To promote awareness about the importance of trees in maintaining ecological balance.
2. To encourage active participation of students and community in environmental conservation.
3. To reduce carbon footprint by increasing green cover through plantation drives.
4. To instill a sense of responsibility towards sustainable living and resource protection.
5. To support global efforts aligned with SDGs for climate action and biodiversity preservation.

On **5th June 2026**, a **Tree Plantation Drive** was organized on **World Environment Day** at the campus of **Chitkara University, Punjab**, by the students of **B.Sc. Nursing 2nd Semester, Department of Nursing, Chitkara School of Health Sciences**, in collaboration with the **National Service Scheme (NSS)**. The celebration aimed to emphasize the importance of

environmental conservation and sustainable living, while fostering collective responsibility in protecting natural resources, in alignment with the global theme of World Environment Day.

The program began with a brief introduction highlighting the significance of World Environment Day and the urgent need to address environmental challenges such as deforestation, climate change, and biodiversity loss. Faculty members and NSS coordinators motivated students to actively participate in the plantation activity as a step towards creating a greener and healthier campus environment.

The central activity of the day was the **plantation of saplings within the university premises**, symbolizing a commitment to restoring ecological balance and reducing carbon emissions. Students, guided by faculty and NSS volunteers, enthusiastically planted trees in designated areas of the campus. Proper instructions regarding care and maintenance of the saplings were shared to ensure their healthy growth and long-term sustainability.

The active involvement and enthusiasm of the nursing students, supported by NSS collaboration, were highly appreciated by faculty and peers. The plantation drives not only enhanced the beauty of the campus but also instilled a sense of responsibility among students towards environmental stewardship. This initiative served as a meaningful platform for practical engagement in sustainability, allowing students to contribute directly to ecological restoration and global efforts for climate action. It reinforced the message that small collective actions, like planting trees, can lead to significant positive impacts on the environment.

## Outcomes

1. Enhanced greenery and improved air quality in the local environment.
2. Increased community engagement and ownership in environmental initiatives.
3. Strengthened awareness about climate change and sustainable practices.
4. Development of eco-friendly habits among participants, fostering long-term impact.
5. Contribution to national and global environmental goals through collective action.



Tree Plantation Drive on WORLD ENVIRONMENT DAY
Patiala,Punjab,India
NH 7, Rajpura, Patiala, Punjab 140601, India
Lat 30.511454, Long 76.662039
06/05/2026 12:17 PM GMT+05:30
Note : Captured by GPS Map Camera


GPS Map Camera
Patiala,Punjab,India
NH 7, Rajpura, Patiala, Punjab 140601, India
Lat 30.511473, Long 76.662028
06/05/2026 12:17 PM GMT+05:30
Note : Captured by GPS Map Camera


GPS Map Camera
Patiala,Punjab,India
NH 7, Rajpura, Patiala, Punjab 140601, India
Lat 30.511443, Long 76.662053
06/05/2026 12:19 PM GMT+05:30
Note : Captured by GPS Map Camera