

FROM **GREEN** ACTIONS TO SUSTAINABLE LIVING



IMPORTANT DATES

LAST DATE FOR
REGISTRATION

5 MARCH 2026

FINAL DATE FOR
CHALLENGE COMPLETION

5 APRIL 2026

GREEN BHARAT

14 DAYS IMPACT CHALLENGE



**SUSTAINABILITY CHAMPION
2025-26 (E-Certificates)**



SCAN FOR MORE DETAILS



Organised by:
Centre of Excellence For Sustainability
in collaboration with Department of
Electronic & Communication Engineering &
Chitkara University School of Maritime Studies

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
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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 & 16 March 2026	148	Students observed electricity distribution systems and identified energy wastage points. This improved 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



**Session on Waste
Management**





Visit to STP (Sewage Treatment Plant)





Plantation Drive



Session on Plastic Management



Session on Rainwater Harvesting



Visit to Paper Recycling Plant



Awareness Rally



Cleanliness Drive



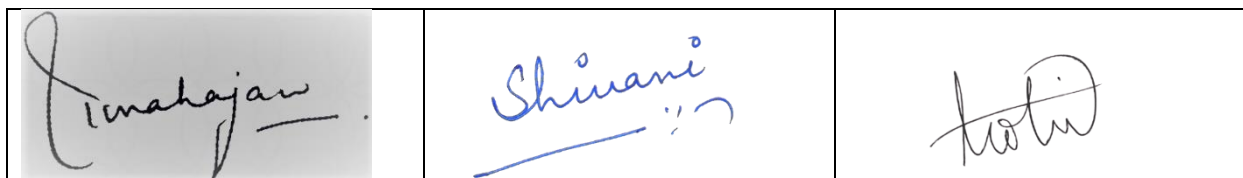
**Session on E Waste
Management**

Participating Students List (Excel Format): - Attached with email

Media Coverage (If Any)

https://youtu.be/PCwNu_wbUGo

Verified by:



Coordinator (1)

Coordinator (2)

Nodal Officer



Head of the Institution

Sign and Stamp

