

13 CLIMATE
ACTION



Jul 2023 - June 2024

At Chitkara University, Sustainable Development Goal 13 (SDG 13) – Climate Action – is a central focus of its commitment to environmental sustainability. Through a series of dedicated activities, workshops, and awareness programs, the university actively promotes initiatives to reduce greenhouse gas emissions, conserve natural resources, and educate students and staff on the importance of climate resilience. By fostering a culture of environmental responsibility, Chitkara University not only addresses the pressing challenges of climate change but also empowers its community to contribute to a sustainable, low-carbon future. Each activity aligns with global climate goals, aiming to inspire impactful changes within and beyond the university.

Total Participants: 2,139

Key Initiatives:

- 1. Publications: - 71**
- 2. MOUs: - 1**
- 3. Patent: - 8**
- 4. Courses mapped: - 59**
- 5. International Paper Bag Day:** Organized by the Department of Computer Applications, this online event emphasized reducing reliance on plastic and promoting eco-friendly paper bags, which can lower carbon emissions and help in climate mitigation efforts.
- 6. World Nature Conservation Day:** A poster-making competition held by the Computer Applications Department focused on nature conservation, addressing the ecological footprint and climate change by promoting sustainable practices and awareness of CO2 reduction.
- 7. Tree Plantation on Independence Day:** Organized by NSS, this event planted 75 saplings, which helps reduce atmospheric CO2 and combats global warming. It aligned with India's "**Meri Maati Mera Desh**" initiative, merging patriotism with climate action.
- 8. World Ozone Day:** A virtual event hosted by the College of Education discussed the importance of ozone protection and climate action, focusing on reducing greenhouse gas emissions as per the Montreal Protocol to counter global warming.
- 9. National Energy Conservation Day:** Organized by Chitkara College of Education, this event promoted energy conservation under the "MISSION

LIFE" theme, stressing the reduction of carbon footprints and greenhouse gas emissions through sustainable energy practices.

- 10. World Water Day:** Through the theme "Leveraging Water for Peace," this event highlighted climate change impacts like droughts and floods, advocating for sustainable water management as a response to these challenges.
- 11. Earth Day:** Multiple events, including tree planting and poster-making competitions, focused on environmental sustainability and reducing carbon footprints. Activities emphasized creative climate action and sustainability solutions through artistic expression and hands-on environmental initiatives.
- 12. Innovation for Combating Climate Change:** This session discussed climate change impacts, with cadets learning about emissions, carbon footprint reduction, and pollution-curbing strategies. Emphasis was on India's initiatives to reduce pollution and the importance of individual and collective climate action.
- 13. Demonstration of Vertical Farming of Turmeric:** Held in Kurukshetra, this demonstration focused on vertical farming as a climate-friendly agricultural method that reduces greenhouse gas emissions, utilizing less land and resources, thus contributing to sustainable agriculture and lowering CO₂ emissions.
- 14. Training on Organic Farming:** This program covered organic greenhouse farming, promoting eco-friendly cultivation to reduce CO₂ emissions and minimize the carbon footprint. Organic practices, emphasized during the training, contribute to climate resilience by avoiding harmful chemicals.
- 15. Plantation Drive led by Dr. V. P. Sharma:** Dr. Sharma led a plantation drive at Chitkara University's Yellow Point Farm, which focused on increasing tree cover to absorb carbon dioxide, thus helping mitigate climate change and promoting environmental health.
- 16. Debate Competition - Environmental:** This debate explored the role of technological innovations in reducing marine pollution, addressing climate change impacts on marine ecosystems, and highlighting the necessity of new solutions to protect ocean environments.
- 17. Sustainable Development and Environmental Pollution Seminar:** Organized by Chitkara Law School, this seminar discussed global warming, climate change mitigation, and reducing greenhouse gas emissions. It included an MoU signing with the Green Planet Society to encourage sustainable environmental practices.
- 18. Training on Sustainable and Green Products:** This four-day program educated participants on sustainable product development and eco-friendly

business practices, focusing on reducing carbon footprints, energy conservation, and lifecycle assessments to promote climate resilience.

- 19. World Water Day: "H2O Architects, Designing a Drought-Resilient Future":** A workshop by the Department of Architecture emphasized sustainable water management to combat climate impacts, including droughts and rising sea levels, promoting water-efficient architectural solutions for climate adaptability.
- 20. International Mother Earth Day:** This hands-on workshop on sustainable lifestyles included activities like bio-enzyme preparation, highlighting practices that reduce environmental impact and mitigate climate change by promoting sustainable living choices and reducing carbon footprints.
- 21. Tree Plantation Drive on World Earth Day:** Conducted by the Department of Nursing, this tree plantation drive encouraged students to participate in climate action by planting trees to reduce CO₂ levels and promote biodiversity, contributing to a healthier environment.
- 22. 62nd All India Wheat & Barley Workers Meet:** Held in Udaipur, this meet addressed the impacts of climate change on agriculture. Experts discussed sustainable practices, including emissions reduction and climate adaptation techniques to support future farming resilience in India.
- 23. World Environmental Health Day:** Hosted by Chitkara Business School, this day was marked by a tree plantation activity and awareness drive on environmental sustainability. It emphasized the reduction of greenhouse gases and carbon footprint to promote climate action.
- 24. World Nature Day:** Organized by the National Service Scheme (NSS), this event included a "Best Out of Waste" competition to highlight recycling's role in reducing waste and greenhouse gas emissions. It encouraged students to make eco-conscious choices to combat climate change.
- 25. Spawn Run Compost Demonstration:** At Yellow Point Farm, students learned about sustainable mushroom farming using greenhouse methods. This approach reduces energy use and CO₂ emissions, aligning with climate-friendly agricultural practices.
- 26. Plantation Drive led by Mr. Kanwardeep Singh:** In collaboration with the Punjab Forest Department, this plantation drive at Chitkara University planted 2,000 native trees, contributing to CO₂ reduction and promoting climate resilience.
- 27. Environmental Protection Practices Session:** Cadets were trained on marine pollution management, discussing waste treatment and the protection of coastal ecosystems. This activity connected climate action with the preservation of marine health and water resources.

28. National Fire Safety Drill: This drill, conducted by Chitkara's Infrastructure Office, emphasized fire prevention and safety, indirectly addressing climate action by reducing the risk of emissions from uncontrolled fires and fostering community resilience.

29. World Water Day Poster Competition: In recognition of World Water Day, students showcased posters on water conservation, drought resilience, and the climate impact on water resources, underscoring sustainable management as crucial to climate adaptation.

30. Innovative Approaches to Environmental Sustainability Poster Competition: Held for Earth Day, this competition inspired cadets to create artwork on sustainability, with themes highlighting greenhouse gas reduction, pollution control, and biodiversity preservation.

These events represent Chitkara University's commitment to SDG 13 through diverse initiatives aimed at promoting climate awareness, conservation practices, and reducing environmental impacts associated with greenhouse gas emissions.

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Event Details	
Title of the Event:	INTERNATIONAL PAPER BAG DAY
Date of the Event:	12 th July 2023
Venue	ONLINE
SDG No.	4: Quality Education 13: Climate Action
No. of Student Attended	28

Objective

- To create a collective consciousness to take steps toward reducing reliance on plastic bags and promoting sustainable alternatives
- To achieve a cleaner and healthier environment

On the 12th of July, Chitkara University, Punjab, witnessed a remarkable event that aimed to promote environmental consciousness and creativity among students. The Department of Computer Applications, under the aegis of the National Service Scheme (NSS), organized **the International Paper Bag Day Making Competition** online on **12th July 2023**. This event brought together 28 talented students from various departments who showcased their skills in designing and crafting eco-friendly paper bags.



The International Paper Bag Day Making Competition aimed to emphasize the importance of paper bags as an eco-friendly alternative to plastic bags. The event helped participants understand the detrimental effects of plastic on the environment, including pollution, waste accumulation, and harm to wildlife. The promotion of paper bags as a viable alternative to plastic is a step towards reducing carbon emissions and fostering a healthier planet for future generations.

All participants received participation certificates as a token of appreciation for their commitment to environmental sustainability.

This competition was a resounding success. By bringing together students from different departments and fostering their creativity, the event not only promoted sustainable practices but also showcased the university's commitment to environmental responsibility. Such initiatives play a vital role in nurturing a generation of conscientious individuals who are dedicated to protecting the planet and fostering a greener future for all. In the end, by implementing effective strategies to reduce emissions and promote sustainable practices, it is possible to mitigate the environmental impact of climate change and work towards a more resilient future.

Winners

1st position

Muskan-BCA

2nd position

Dhriti Gandhi -BCA

3rd position

Ishita Mahajan -BBA

Nimarta Gupta -BCA



Event Name	Fire Fighting
Date	20/7/2023
Venue	IHM BLOCK
Organizer	Mr. Sanjeev Bhardwaj (Fire Officer)
Resource Person	--
Number of Participants	100
SDGs Covered	3, 8, 11, 13, 17
Duration	1-day training

About the Activity

A Building evacuation drill was held within the different blocks of the Chitkara University to check the response of faculty in case of fire and any other disasters. Four teams made for this mock up practice were firefighting, search and rescue, Quick Response Team (Q.R.T.) and Medical Team. Each Building faculty members and their staff have participated in this mock up drill, and also teach rescue techniques and basic firefighting.

SDG 3 highlights that fires are a major cause of accidental injuries and deaths. Training people in how to prevent fires, create escape plans, and use extinguishers helps them respond safely, which can lower the number of casualties. Smoke from fires can lead to breathing issues, such as asthma and lung diseases. Effective fire safety practices can also lower greenhouse gas emissions from uncontrolled fires. This is crucial for fighting climate change since fires can release large amounts of carbon dioxide and other harmful gases into the air. Measures like proper ventilation and fire drills can decrease smoke exposure, leading to better health.

SDG 8 states that fire safety training helps create safer workplaces, which reduces the number of workdays lost due to fire-related injuries and illnesses, benefiting both workers and companies.

SDG 11 points out that fires can harm buildings, roads, and other essential structures. Following fire safety practices, such as using proper building codes and making fire prevention plans, can lessen this damage, helping communities become more sustainable and resilient.

Finally, SDG 13 mentions that big fires release a lot of carbon dioxide and other greenhouse gases. By preventing fires, we can help lessen the effects of climate change.



Event Details

Title of the Event:	WORLD NATURE CONSERVATION DAY
Date of the Event:	28 th July, 2023
Venue	Online
SDG no	4:Quality Education, 13: Climate Action 15:Life on Land
No. of Student Attended	22

Objective

- i) To conserve trees and animals that are on the verge of going extinct from the planet.
- ii) To create awareness about the need to preserve the environment and natural resources in order to keep the world healthy.
- iii) To spread awareness regarding the protection of nature and biodiversity for a healthy environment.

The Department of Computer Applications, under the aegis of the National Service Scheme (NSS), organized the **Poster Making**

Competition in online mode to celebrate **World Nature Conservation Day on 28th July 2023**. The preservation of the natural environment is a critical concern in the context of global climate change, particularly regarding the reduction of carbon dioxide emissions and the overall ecological footprint. The ongoing challenges posed by climate change necessitate a concerted effort to address the various factors contributing to environmental degradation. This competition aimed to engage students in artistic expression while promoting awareness



about the importance of conserving nature and preserving the environment. Participants from various disciplines showcased their creativity and passion for nature conservation through their artwork.

The posters featured powerful messages and striking visuals, highlighting the need for sustainable practices, biodiversity preservation, and the protection of wildlife.

The event provided a platform for students to channel their artistic talents towards a noble cause. The competition fostered a sense of responsibility and commitment among participants, inspiring them to play an active role in environmental preservation.

The efforts in organizing this competition demonstrated its dedication to nurturing environmentally conscious individuals and fostering a greener and healthier world. The event served as a reminder that every small action counts and that art can be a powerful tool in advocating for positive change.

In conclusion, the **World Nature Conservation Day** poster-making competition successfully combined creativity with environmental advocacy. The competition inspired participants and viewers alike to take an active stand in protecting nature and preserving the planet for future generations.

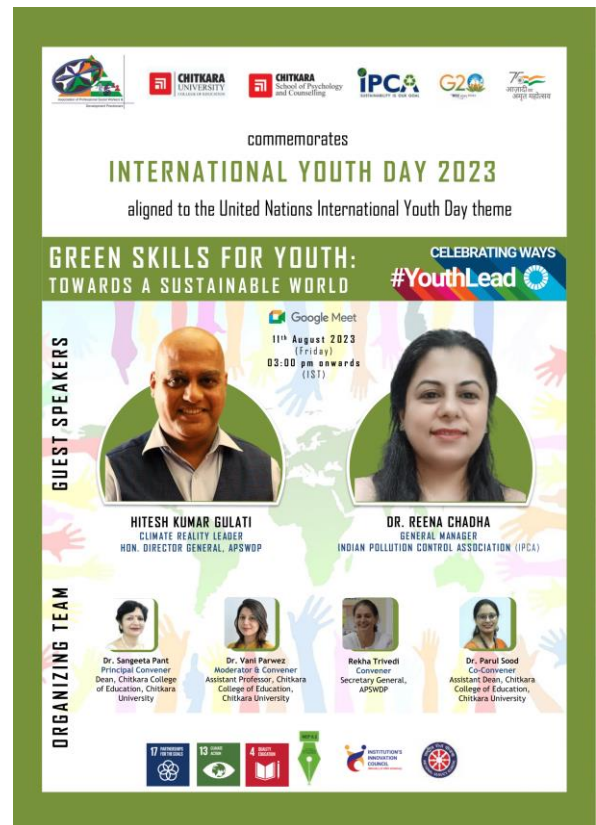


SDG 13 (CLIMATE ACTION) JULY 23 – JUNE 24

Event Name	International Youth Day Green Skills for Youth: Towards a Sustainable World
Date	11 th August 2023
Venue	Google Meet
Organizer	Chitkara College of Education
Resource Person	Mr Hitesh Kumar Gulati, Climate Reality Leader, Hon Director General, APSWDP, Dr Reena Chadha, General Manager, Indian Pollution Control Association
Number of Participants	11
SDGs Covered	4
Duration	One Hour

About the Activity

International Youth Day"(IYD) is observed annually on August 12th and is an opportunity for governments and others to draw attention to youth issues worldwide. During IYD, concerts, workshops, cultural events, and meetings involving national and local government officials and youth organizations take place around the world. The year 2023 theme for International Youth Day is "Green Skills for Youth: Towards a Sustainable World". In alignment with the aforementioned subject, and to commemorate "International Youth Day" Chitkara College of Education, Chitkara University organized a virtual session on 11th August, 2023 (Friday) from 3 pm onwards (IST) in partnership with Chitkara School of Psychology and Counselling, Chitkara University; Association of Professional Social Workers and Development Practitioners (APSWDP) and Indian Pollution Control Association(IPCA) wherein we have two guest speakers namely Mr.Hitesh Kumar Gulati, Climate Reality Leader and Hon.



Director General, APSWDP and Dr. Reena Chadha, General Manager, IPCA. They respectively spoke on the topics, "Instilling & Designing the Green Skill Matrix" and "Innovative Career Options in Environment and Waste Management". They stressed that the world is embarking on a green transition and the shift towards an environmentally sustainable, climate-friendly world is critical not only for responding to the global climate crisis but also for achieving the Sustainable Development Goals (SDGs). They explained that Sustainable Development Goal 13 addresses the critical issue of global warming and climate change, emphasizing the urgent need to mitigate the impact of human activities on the environment. This goal highlights the importance of reducing carbon footprints and minimizing the emission of greenhouse gases, which are significant contributors to the ongoing climate crisis. Efforts to achieve this objective involve implementing strategies that promote sustainability, enhance energy efficiency, and encourage the use of renewable resources, thereby fostering a healthier planet for future generations. All the Alpha teachers, Alpha Masters, Alpha Counsellors and Alpha Master Counsellors attentively attended the session and gained immensely about the green skills for youth, various green job opportunities and a positive global effect we together the youth can bring in towards protecting, preserving and safeguarding our mother Earth. Altogether, the session was highly informative, engaging and enlightening.



Dr Reena Chadha and Mr. Hitesh Kumar Gulati (Resource Persons)

Event Name:-	Tree Plantation Drive on Independence Day
Venue:-	Opposite of Tesla Block
Date:-	15 th August, 2023
SDG Number, Name and NEP:-	15-Life on Land, 13- Climate Action, NEP-1
Organized By:-	National Service Scheme, Chitkara University, Punjab
Number of Saplings:-	75
Duration:-	One Day

Description of Event

“Maati ko Naman, Veeron Ka Vandan”

As the nation gathered to celebrate its hard-fought freedom, the significance of the environment in this Independence Day, 15th August, 2023 event shone ever brighter. Beyond the grand parades and patriotic fervor, there's a deeper resonance that binds our soil and souls. Under the campaign "Meri Maati Mera Desh," an initiative undertaken by the Indian Government, a heartfelt tribute was paid to the very mitti of our motherland.

In the veins of this land courses the blood of countless martyrs who laid down their lives for its liberation. The stories of their sacrifice are immortalized in the very earth that bore witness to their struggle. As we stand on this sacred ground, it's our solemn responsibility to ensure that their devotion lives on. Just as they protected the honor of this soil, so must we preserve its purity and vitality.

Taking charge of this noble campaign was the NSS department, an embodiment of social responsibility and change. On this auspicious occasion of India's freedom, Hon'ble Dr. Madhu Chitkara, the Pro-Chancellor of Chitkara University, and respected Dr. Archana Mantri, the Vice-Chancellor, stood as paragons of leadership. Alongside other dignitaries, they collectively planted the seeds to promote a greener environment. This effort seeks to address climate change by lowering greenhouse gas emissions.

However, the initiative wasn't confined to the dignitaries alone. Students, the heartbeat of the nation's future, played an active role. With determination in their hearts and spades in their hands, they embarked on this green endeavor. Planting 75 saplings significantly benefits the environment and combats climate change. Increasing the number of trees helps lower CO2 levels in the atmosphere, which is a key factor in global warming.

As the nation's flag unfurls and patriotic fervor takes flight, let us remember that our duty extends beyond the visible boundaries. In conclusion, the \Meri Maati Mera Desh\ campaign organized by the NSS at Chitkara University stands as a powerful testament to our collective responsibility toward environmental sustainability and national pride. The campaign emphasizes how climate change affects our planet and urges people to take action against these problems. By showcasing the consequences of climate change, it motivates individuals to make eco-friendly choices to safeguard our planet for future generations.





Topic	A Moment for our Motherland - Innovative Ways of Calligraphy
Date	16-08-2023
Venue	Chitkara Design School
Organizer	Department of Communication Design, Chitkara Design School
Resource Person	Gagandeep Singh, Independent Artist
No. of Participants	40
SDG No.	4,13,14 & 15
Duration	1 Day

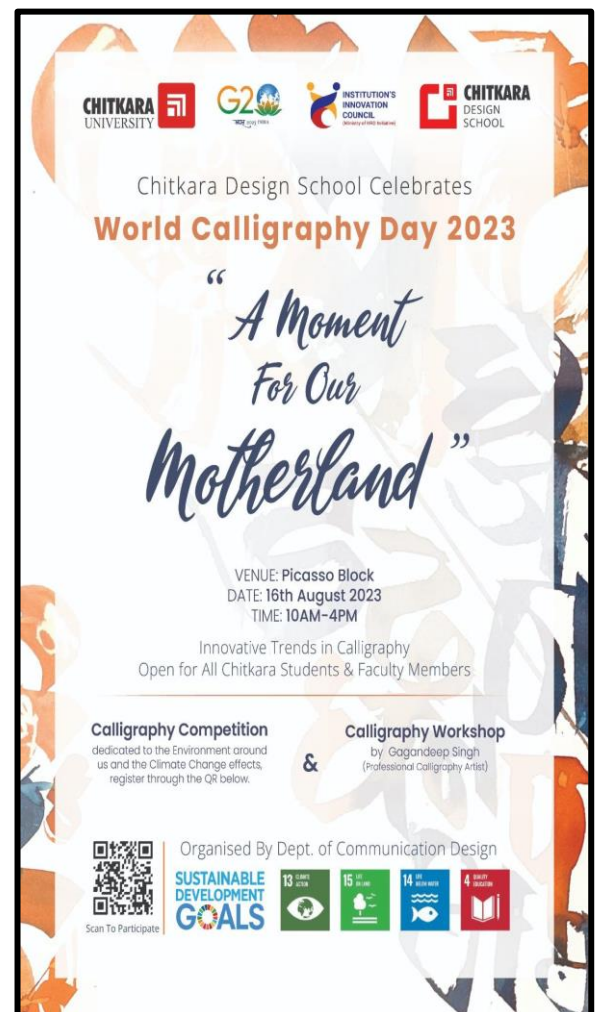
About the Activity

Department of Communication Design, Chitkara Design School is Celebrating World Calligraphy Day 2023 on theme "A Moment for Our Motherland" Innovative ways of Calligraphy, by organizing a calligraphy competition and workshop on 16th of August, 2023 from 10:00 Am to 4:00PM at Pulitzer Hall at Picasso Building, Chitkara University, Punjab.

The event highlights the issues to raise awareness about the urgency of Climate Change and Harmful effects on Mother land.

Climate change poses significant threats to our planet, particularly in relation to the detrimental impacts it has on our environment. The urgency of addressing this issue is underscored by Sustainable Development Goal 13, which emphasizes the need

to combat global warming and its associated consequences. The increasing carbon footprint resulting from human activities contributes to the accumulation of greenhouse gases in the



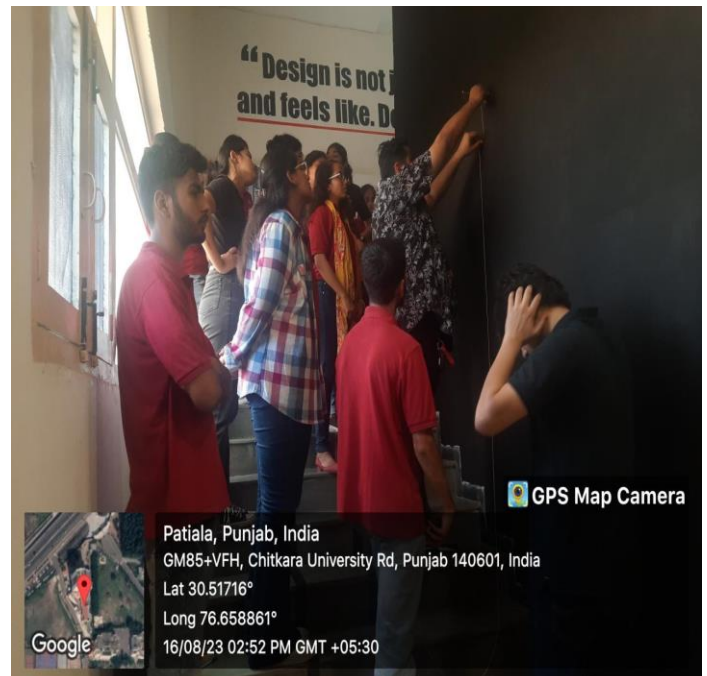
atmosphere, exacerbating climate-related challenges. To mitigate these harmful effects, it is imperative to adopt strategies aimed at reducing energy consumption and transitioning towards more sustainable practices that prioritize environmental preservation.

Beginners to seasoned artists, everyone is welcome to partake in this momentous celebration of art and sustainability. To inspire a world of positive change with their creative strokes. This event was organized to highlight the Innovations in the world of Calligraphy.

Day started with the Judgment of the calligraphy competition and felicitation ceremony.

-Guest of honor of this event was Professional Calligrapher Gagandeep Singh. He was awarded with the *AMIT KHARSANI AWARD* 2023 for his contribution in the field of teaching Calligraphy.

A 3 hour Calligraphy painting workshop was also organized. During the workshop Mr Gagan spoke about the innovations in the field of Calligraphy and gave a demo to students. Students also tried their hands on the wall painting using Calligraphy tools.



Event Name	Guru-Dakshata (Faculty Induction Program) Conduct of Training Session on Environment Consciousness and Sustainable Development Goals (Module - 9)
Date	19-Aug-23
Venue	Pierre Hall (Le Corbusier Block)
Organizer	Office of the Talent Management
Resource Person	Dr. Gurpreet Singh Saggu, Sustainability Manager
Number of Participants	56
SDGs Covered	SDG 6,7,11,12,13,15
Duration	4 hrs

The Learning and Development Cell of the Office of Talent Management conducts a number of training programs to educate and sensitize the staff members about the SDGs and to contribute to the achievement of these goals. This session emphasized practical strategies for promoting environmental consciousness within communities and workplaces.

To help new teachers in higher education become more effective, the University Grants Commission has issued guidelines for colleges to run a faculty induction program called ‘GURU DAKSHATA’. This program includes training on environmental awareness and sustainable development goals. The goal is to inspire participants to adopt sustainable habits in their everyday lives and to support policies that promote climate resilience and sustainability. The program consists of ten modules, with several directly tied to achieving the Sustainable Development Goals (SDGs). The activities in this training play an important role in reaching these goals.

EVENT:	62 nd All INDIA Wheat & Barley Workers Meet 2023 in Udaipur		
Date / Time:	31 st Aug. /1100-1430 hrs	Mode:	Offline
Location / Link:	MAHARANA PRATAP AGRICULTURE UNIVERSITY, UDAIPUR, RAJASTHAN		
Activity In-charge:	Dr Anurag Tewari & Mr. Sube Singh		
No. of Participants:	500 Participants		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	1, 2, 3, 4, 5, 8, 9, 11, 12, 13, 15, 16, & 17		

Event Details

The All India Wheat and Barley Workers Meet aimed to tackle the effects of climate change on agriculture. Attendees shared ideas on how to lower emissions and adapt to the shifting climate to secure the future of wheat and barley farming in India.

Over three days, Maharana Pratap University of Agriculture and the Indian Institute of Wheat and Barley Research (IIWBR) hosted the 62nd All India Wheat and Barley Workers Meet 2023. Dr. Himanshu Pathak, Director General of the Indian Council of Agricultural Research (ICAR), attended and advocated for the use of Nano Fertilizers and Nano Pesticides in Indian agriculture. He highlighted that these innovative technologies can help farmers increase their crop yields while minimizing environmental impact. Dr. Pathak encouraged scientists to focus on



developing high-yield and superior-quality wheat and barley varieties, contributing to a more sustainable agriculture sector in India.

Dr. Anurag Tiwari delivered a 20-minute presentation on Chitkara University, sharing updates on various programs and receiving positive feedback about the university's unique features. The event brought together around 500 scientists, including four Deputy Director Generals from ICAR, who shared their research findings. The discussions and decisions made during this meeting will play a crucial role in achieving climate goals and promoting sustainable farming practices across the nation.



Event Name	World Ozone Day 2023
Date	15 th September 2023
Venue	Google Meet
Organizer	Chitkara College of Education
Resource Person	Dr. Anshu Kumar, Cold Chain Specialist, UNICEF, Bhutan, Dr Kemala Intan, Lecturer at Medical Faculty, University of North Sumatera, Medan, Indonesia
Number of Participants	39
SDGs Covered	4, 13, 17
Duration	One Hour

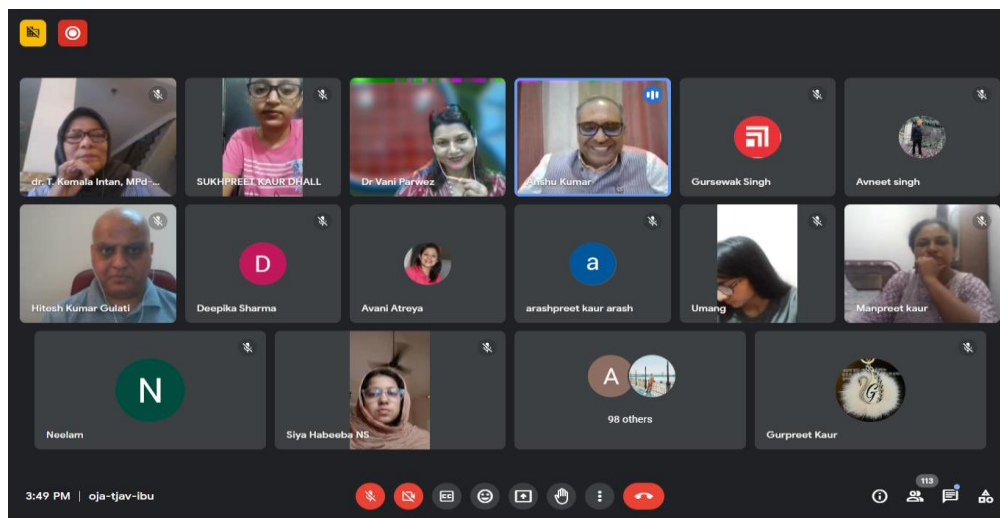
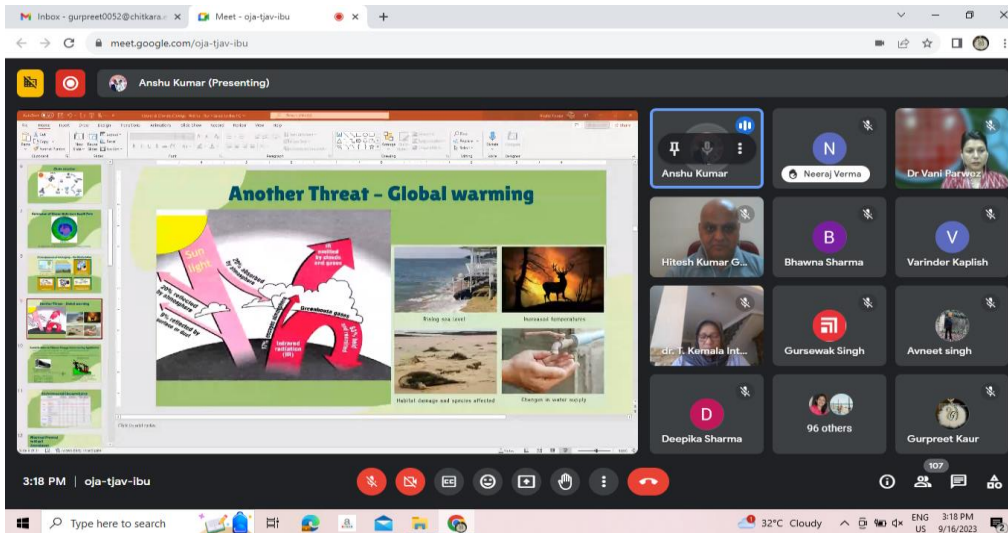
About the Activity

To commemorate the World Ozone Day 2023, Chitkara College of Education organized a virtual session in partnership with Chitkara School of Psychology and Counselling, Association of Professional Social Workers and Development Practitioners and The Climate Reality Project India and South Asia, with a goal to educate and raise awareness about the need of safeguarding the ozone layer. For the event, we had two eminent guest speakers namely Dr. Anshu Kumar, Cold Chain Specialist, UNICEF, Bhutan and Dr. Kemala Intan, Lecturer at the Medical Faculty, University of North Sumatera, Medan, Indonesia. They enlightened on this year's United Nations theme of World Ozone Day 2023, marked on 16 September, observed under Montreal Protocol@35 with the global theme "Fixing the Ozone Layer and Reducing Climate Change". The theme recognizes the wider impact the Montreal Protocol has on climate change and the need to act in collaboration, forge partnerships and develop global cooperation to address climate challenges and protect life on earth for future generations. This event offered a platform to educate our Alpha Teachers and Masters on the significance of protection of the ozone layer and to acknowledge the importance of this day. This event is in alignment with the National



Education Policy 2020, para no 6.2, and Sustainable Development Goals no 4-Quality Education, 11- Sustainable Cities and Communities, 13- Climate Action and 17- Partnership for the Goals. Overall, it was highly informative, insightful, enriching and of immense learning.

World Ozone Day serves as a significant reminder of the urgent need to address the challenges posed by global warming and climate change, particularly in relation to Sustainable Development Goal 13. This day emphasizes the importance of reducing our carbon footprint and mitigating the impact of greenhouse gases on the environment. It calls for collective action to enhance awareness and promote strategies that contribute to the preservation of the ozone layer, ultimately fostering a healthier planet for future generations.



Event Name	World Environmental Health Day
Date	26 th September, 2023
Venue	Chitkara University, Punjab
Organizer	Dr. Neha
Resource Person	Dr. Neha
Number of Participants	22
SDGs Covered	3, 13
Duration	1day

About the Activity

Chitkara Business School celebrated World Environmental Health Day on September 26,2023, by planting trees at a government school in Ram Nagar, promoting environmental awareness and sustainability. This initiative engaged students and faculty in nurturing a greener planet and educating young minds about environmental responsibility.

World Environmental Health Day emphasizes the critical importance of addressing Sustainable Development Goal 13, which focuses on combating global warming and climate change. This day serves as a reminder of the urgent need to mitigate our carbon footprint and reduce the emission of greenhouse gases. By raising awareness and promoting actionable strategies, it encourages individuals, communities, and governments to take significant steps towards environmental sustainability and the preservation of our planet for future generations.



Event Name:-	World Nature Day
Venue:-	Govt. Sr. Sec. School, Jhansla
Date:-	3 rd October, 2023
SDG Number, Name and NEP:-	4-Quality Education, 13-Climate Action NEP-1
Organized By:-	National Service Scheme, Chitkara University, Punjab
Number of Attendees:-	23
Duration:-	One Day

Description of Event

"Look deep into nature, and then you will understand everything better." – Albert Einstein

On **October 3rd, 2022**, **Chitkara University, Punjab** celebrated the essence of **World Nature Day**. With a vision of proactive environmental awareness, Chitkara University, Punjab in partnership with **Gov. Sr. Sec. School, Jhansla (Chitkara University's adopted village)**, hosted an ingenious **"Best Out of Waste" and Slogan Writing Competition**, fueled by the dedication of **NSS Volunteers**.

World Nature Day encourages us to think about how climate change and global warming affect our planet. We should pay attention to our carbon footprint and its role in these challenges. Simple actions in our everyday lives, like taking public transport or using less energy, can help us create a healthier environment for future generations.

With sketch pens in their hands, the students unleashed their creative linguistic potential onto the paper, advocating powerful slogans for environmental change. Students used colors and images to show how the environment affects the world and highlight the urgent need for action. Students were encouraged to come up with creative and impactful slogans that highlight the urgency of addressing climate change and the need for collective action. It is encouraging to witness young individuals harnessing their creativity to raise awareness and push for a more sustainable future.

But their creative outburst knew no bounds as the students became torchbearers of change, reimagining discarded articles into practical treasures. Students used items typically like newspaper, cardboard boxes that are seen as waste to encourage sustainability and highlight

the significance of recycling and reusing materials. By taking part in this competition, students were able to present their artistic abilities and contribute to the global effort to address environmental issues and encourage a more sustainable future.

The day resonated with creativity and a profound connection to nature. Each piece crafted by the students carried a message, a reminder that even the most ordinary things can be transformed into extraordinary works of art.

As the sun touched the horizon, the event drew to a close, but not without recognition of the students' dedication. They were rewarded, not just materially, but with the promise of a greener, cleaner world. Their commitment to preserving our environment became an example for all, proving that even in the simplest acts of creativity, there lies a path to profound change.



EVENT:	Spawn Run Compost from Maharana Pratap Horticulture University		
Date / Time:	14 th Oct 23 /1100-1430 hrs	Mode:	Offline
Location / Link:	YELLOW POINT FARM		
Activity In-charge:	Dr Anurag Tewari & Mr. Sube Singh		
No. of Participants:	500 Students		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	3, 4, 5, 11, 12, 13 & 17		

Event Details

Mushroom production offers a sustainable way to grow food with less harm to the environment. Using greenhouses allows us to manage temperatures and create the best conditions for mushrooms to thrive. This approach not only leads to greater yields but also lowers energy use compared to conventional farming. By adopting these methods, we are actively participating in efforts to address climate change and its effects..

Dr. Anurag Tiwari would like to share that YELLOW POINT FARMS has launched a new initiative, the Mushroom Production Unit at the Rajpura Campus. Mushrooms have been recognized as a key focus in the government's recent efforts to promote vegetable and fruit production throughout the country. By increasing mushroom farming and consumption, we can contribute to lowering carbon dioxide levels in the atmosphere, thereby helping to combat climate change. Additionally, mushrooms are now included in the mid-day meals for school children, which will further boost their demand nationwide. Currently, India produces only 201,000 tons of mushrooms each year. In contrast, China produces about 33 million tons, highlighting the significant growth potential in mushroom production within Indian agriculture.

Why Mushroom Cultivation

- A. We can recycle abundant agro-waste for food in a profitable and environmentally sustainable way.(Zero Waste Technology).
- B. To reduce pressure on arable land (grown indoors, utilizing space),.
- C. Excellent medicinal value (diabetes, cardiac diseases, anticancer, etc.)
- D. Labor-intensive, providing gainful employment.
- E. Earning foreign exchange via exports.

Maharana Pratap Horticulture University in Karnal, Haryana, provided the spawn run compost. A total of 200 bags, each weighing 10 kg, was delivered to the sustainable mushroom production unit at Yellow Point Farm. From this, 4.5 quintals of button mushrooms were harvested and supplied to a local dhaba and guest house.



Meeting with Dr Ajay Yadav, Director Maharana Pratap Horticulture University, Murthal, Haryanas

EVENT:	Plantation drive led by Mr. Kanwardeep Singh, Divisional Forest Officer, Mohali, Punjab		
Date / Time:	16th October, /1100-1430 hrs	Mode:	Offline
Location / Link:	Yellow Point Farm, Chitkara University, Punjab		
Activity In-charge:	Dr Anurag Tewari, Mr Sube Singh, and Mr Hamid Raza		
No. of Participants:	205 Students		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	2, 3, 5, 9, 11, 13, 15, & 17		

Event Details

Plantation drives benefit the environment by lowering carbon dioxide levels in the air. Trees play a crucial role in this process; they absorb carbon dioxide while they grow, which helps fight against climate change. By increasing the number of trees we plant, we are taking important steps to address climate change and its effects.

On November 16, 2023, Mr. Kanwardeep Singh, the Divisional Forest Officer from Mohali, Punjab, visited Chitkara University in Rajpura, Punjab, where he led a tree-planting event with 205 students. He toured various areas of the Rajpura campus and praised the university's initiative to develop a Miyawaki forest at Yellow Point Farm. The Punjab Government's Forest Department generously donated 2,000 native plants to Chitkara University at no cost. These plants were planted in the Miyawaki forest at a density of four plants per square meter.



Event	A Session on Environmental Protection Practices		
Date/Time	27-10-2023	Mode:	Offline
Location	Tesla Block, Chitkara University Punjab		
Activity In-Charge	Mr. Brij Kishore		
No. of Participants:	21 Cadets		
Resource Person (if any)	--		
SDGs	4 – Quality Education, 6 – Clean Water and sanitation, 13- Climate Action, 14 – Life below water, 15 - Life of Land, 17 - Partnerships for the Goals		

BRIEF DESCRIPTION

This workshop was conducted to spread awareness about Marine Pollution.

Cadet Saksham Rana and Cadet Brahmpreet Singh conducted this event; they explained various topics related to Marine Pollution.

Cadet Saksham Rana explained regarding the Garbage Management System and various colored dustbins used onboard.

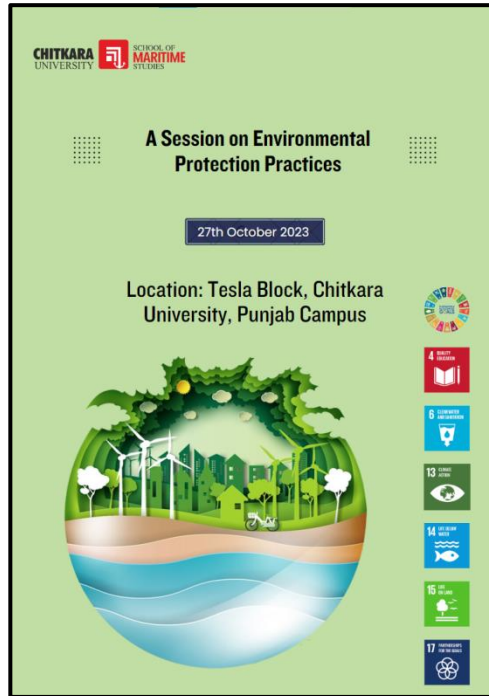
Cadet Brahmpreet Singh then explained the principle & working of Sewage Treatment Plant (STP), while Cadet Kritin Kamboj explained regarding the Fresh Water Generator.



The event was conducted under the supervision of Mr. Brij Kishore.

Marine pollution represents a significant environmental challenge, particularly in the context of Sustainable Development Goal 13, which emphasizes the urgent need to combat climate change and its impacts. The degradation of marine ecosystems is exacerbated by rising sea levels, which threaten coastal communities and biodiversity. Additionally, the

increasing frequency and intensity of droughts and floods disrupt water resources, further complicating the management of marine environments. Addressing these interconnected issues requires a comprehensive approach that integrates climate action with the preservation of marine health, ensuring the sustainability of water resources for future generations.



EVENT:	Innovation for Combating Climate Change for a Better Future.		
Date / Time:	04th Nov 2023 / 2 pm onwards	Mode:	Offline
Location / Link:	Faraday Hall, Chitkara University, Punjab		
Activity In-charge:	Ms. Simranpreet Kaur		
No. of Participants:	110 (Cadets) + 11 (Faculty)		
Resource Person (if any)	Dr. Gurpreet Singh Saggu		
SDG:	4 - Quality Education; 11 - Sustainable Cities and Communities; 13 - Climate Action; 17 - Partnership for the Goals		

Brief Description

The event spotlighted the dire consequences of climate change on the environment, ecosystems, and human societies, underscoring the imperative of addressing this pressing global dilemma. Attendees actively engaged in dialogues elucidating the root causes of climate change, with a particular focus on the myriad gaseous emissions exacerbating the crisis. Recognizing these underlying factors is paramount for formulating robust mitigation plans.

A pivotal concept explored during the discussions was that of the carbon footprint, serving as a metric to gauge the total greenhouse gas emissions attributable to an individual or organization. Cadets were enlightened on practical measures to shrink their carbon footprint, accentuating the significance of both individual and collective actions in combating climate change.

Furthermore, the session delved into the proactive initiatives undertaken by India and Chitkara University, exemplifying concerted efforts towards pollution reduction. Attendees gained insights into innovative strategies aimed at curbing pollution, highlighting the pivotal



role of technological advancements and sustainable practices in mitigating environmental degradation.

As discussions unfolded, participants gleaned a deeper understanding of the interconnectedness between human activities and environmental repercussions, fostering a sense of responsibility towards fostering a greener, more sustainable future. By fostering a culture of environmental stewardship and championing proactive measures, the event echoed a resounding call to action in the global fight against climate change.



EVENT:	Demonstration of Vertical Farming of Turmeric		
Date / Time:	16 th Nov 23 /1100-1430 hrs	Mode:	Offline
Location / Link:	Village Amin, Kurukshetra		
Activity In-charge:	Dr Anurag Tewari & Mr. Sube Singh		
No. of Participants:	52 Farmers		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	1, 2, 3, 9, 12, 13, & 17		

Event Details

Growing turmeric on vertical farms is an eco-friendly agricultural method that can help lower carbon dioxide emissions and benefit the environment. This approach requires less land, water, and chemicals compared to conventional farming techniques. As a result, it can significantly decrease greenhouse gas emissions, playing a role in combating climate change.

The goal of vertical farming is to produce higher-quality crops in a smaller space. Turmeric, known for its high curcumin content, is typically grown in these systems under controlled conditions. This method allows us to yield the same amount of produce as 50 acres from just one acre. To advance this initiative, a small demonstration program was held at a vertical farming unit in Kurukshetra, Haryana.



SDG 13 (CLIMATE ACTION) JULY 23 – JUNE 24

EVENT:	Training Program on ORGANIC FARMING in Mi LIFESTYLE Pvt Ltd		
Date / Time:	16 th Nov /1100-1430 hrs	Mode:	Offline
Location / Link:	Kurukshetra, Haryana		
Activity In-charge:	Dr. Anurag Tewari and Mr. Sube Singh		
No. of Participants:	800 Participants		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	1, 2, 3, 4, 5, 9, 12, 13, 15, & 17		

Event Details

Organic Vegetable Production

Organic farming in greenhouses is a sustainable approach to cultivating crops that contributes to lower CO₂ emissions and a reduced carbon footprint. This method relies on natural practices, minimizing the use of harmful chemicals and pesticides that could contaminate air and water. Additionally, greenhouses create a controlled environment, which can help lessen the effects of climate change on crop yields.

In addition to being a great source of easy-to-digest carbohydrates and complete proteins, vegetables also provide essential nutrients like glucosinolates, antioxidants, fiber, and important vitamins such as niacin, riboflavin, thiamin, and vitamins A and C. Green leafy vegetables, including amaranth, bathua, and spinach, are affordable sources of folic acid. Growing these nutritious vegetables in controlled environments helps reduce harmful chemicals and lower greenhouse gas emissions. Vegetables play a crucial role in addressing micronutrient deficiencies. A thoughtful combination of different vegetables can fulfill the daily requirements for vitamins and folate, along with significant amounts of other vital minerals needed for good health.

Lifestyle is a direct marketing company that focuses on cosmetics and agricultural products. All their agricultural offerings are NOP and NPOP certified, which aligns with promoting environmentally friendly farming practices. Using certified products is a promising approach to addressing climate change challenges. To support their sales team, Mi Lifestyle regularly holds training sessions. Dr. Aanurag Tiwari is often the main speaker at these events, sharing his insights and experiences with their products.

Incorporating these vegetables into greenhouse agriculture is a positive step toward combating climate change.



Mi Lifestyle visits Chitkara University
Dr Anurag Tewari trains the sales team



EVENT:	Plantation drive led by Dr. V P Sharma, Director, Directorate of Mushroom Research		
Date / Time:	26 th November 23 /1100-1430 hrs	Mode:	Offline
Location/LLink:	Yellow Point Farm, Chitkara University, Punjab		
Activity In-charge:	Dr Anurag Tewari		
No. of Participants:	225 Students		
Resource Person	Dr. Anurag Tewari		
SDG:	2, 3, 5, 9, 11, 13, 15, & 17		

Event Details

The tree planting initiative focuses on addressing climate change through increased tree growth. Trees play a crucial role in absorbing carbon dioxide from the air, which helps lessen the greenhouse effect. By getting involved in this initiative, people can help create a healthier environment and support a more sustainable future.

Chitkara University has prioritized the signing of Memorandums of Understanding (MoUs) for some time. We have already established a MoU in the area of Agri-Tourism. Progressing in this direction, we are moving closer to signing additional MoUs with several like-minded organizations. Among these prominent institutions is the Directorate of Mushroom Research (DMR), located in Solan, Himachal Pradesh. On November 26, 2023, Dr. V. P. Sharma, the Director of DMR, graciously visited Chitkara University's Rajpura campus in Punjab. During his visit, he spoke to the students at Yellow Point Farm and led a planting initiative featuring fruit saplings like guava, pomegranate, and dragon fruit.



Event Name	NSS
Date	7/12/2023
Venue	Picasso Block
Organizer	Mr. Sanjeev Bhardwaj (Fire Officer)
Resource Person	S. Gurpreet Singh (Station Fire Officer)
Number of Participants	100
SDGs Covered	3, 8, 11, 13, 17
Duration	1 day

About the Activity

A fire and safety mock drill was conducted at Chitkara University, Punjab, on 7 December 2023. The event was organized by the Office of Infrastructure and led by Mr. Sanjeev Bhardwaj, Fire Officer. S. Gurpreet Singh, Station Fire Officer, served as the resource person, providing valuable insights and practical demonstrations.

The primary objectives of the fire and safety mock drill were:

- To raise awareness and educate participants on fire safety procedures.
- To practice safe and efficient evacuation techniques in the event of a fire emergency.
- To familiarize participants with the location and proper use of fire extinguishers.
- To assess the university's preparedness for fire emergencies and identify areas for improvement.

The event commenced with an informative presentation delivered by S. Gurpreet Singh. He covered crucial aspects of fire safety, including:

- Fire prevention measures
- Early detection of fire
- Evacuation plans and procedures
- Proper use of fire extinguishers

Following the presentation, a simulated fire scenario was enacted. The alarm system was activated, prompting participants to evacuate the designated building in a calm and orderly manner. The evacuation process was monitored and evaluated to ensure adherence to established protocols.

After the evacuation, participants reconvened at a safe assembly point. S. Gurpreet Singh then demonstrated the proper operation of fire extinguishers, highlighting the different types and their appropriate use for various fire situations.

Alignment with Sustainable Development Goals (SDGs):

The fire and safety mock drill directly addressed the following SDGs:

- **SDG 3: Good Health and Well-Being:** By promoting fire safety awareness and preparedness, the drill contributes to creating a safer environment for the university community, potentially reducing fire-related injuries and fatalities.
- **SDG 8: Decent Work and Economic Growth:** Ensuring fire safety in the workplace reduces the risk of property damage and disruptions to operations, thereby contributing to economic well-being.
- **SDG 11: Sustainable Cities and Communities:** Fire safety measures are crucial for building sustainable and resilient communities, and this drill aligns with this objective.
- **SDG 13: Climate Action:** Fires can contribute to climate change by releasing greenhouse gases. The focus on fire prevention can indirectly contribute to mitigating climate change impacts.

Conclusion

Chitkara University conducted a successful fire and safety drill that improved participants' understanding of fire safety and how to respond in emergencies. The exercise also helped identify ways to enhance the university's fire safety plans. By focusing on fire safety, Chitkara University shows its dedication to creating a safe environment for everyone, including staff, students, and visitors. Effective fire safety practices not only save lives and protect property but also support environmental sustainability by reducing harmful emissions that can come from uncontrolled fires.



Event Name	National Energy Conservation Day" under the theme "MISSION LIFE- A LOW CARBON PATHWAY VIA ENERGY CONSERVATION
Date	15 th December 2023
Venue	Google Meet
Organizer	Chitkara College of Education
Resource Person	Mr. Bhavesh Swami, National Manager, Clean Energy, The Climate Reality Project India, Mr, Sunil Mysore, Civil Engineer, Expert Renewable Energy and Water Consercation
Number of Participants	63
SDGs Covered	4
Duration	Two hours

About the Activity

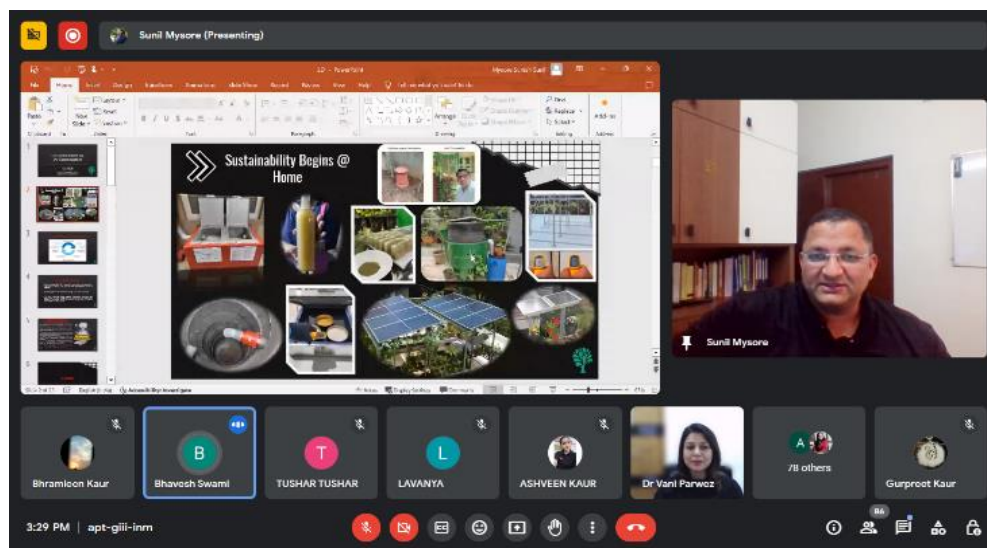
Chitkara College of Education(CCE) in collaboration with The Climate Reality Project, India(TCPI),Lifestyle for Environment, Association of Professional Social Workers and Development Practitioners(APSWDP) and Chitkara College of Psychology and Counseling observed "National Energy Conservation Day" under the theme "MISSION LIFE- A LOW CARBON PATHWAY VIA ENERGY CONSERVATION", aligned to the initiatives of TCPI to demand real climate action, CCE, CSPC and the Virtual Center of Excellence for Social Welfare Administration (VCoE-SWA),had conceived a dialogue/Virtual Program; with an aim to work together with academic institutions and organizations, government and communities, the private sector and all relevant stakeholders, for creating sustainable, carbon-neutral, inclusive cities and towns. The resource person was Mr. Bhavesh Swami, Lead-Clean Energy Policy and Engagements, The Climate Reality Project, India and Mr. Sunil Mysore, Civil Engineer, Expert-Renewable Energy and Water conservation, Lifestyle for Environment who enlightened all about the mass awareness regarding the importance of energy efficiency and conservation in India, present and future trends as well as related relevant subject. It was an immense learning experience, highly informative, and illuminating



National Energy Conservation Day is being observed with the theme "MISSION LIFE - A LOW CARBON PATHWAY THROUGH ENERGY CONSERVATION," which aligns with Sustainable Development Goal 13 focused on combating global warming. This initiative emphasizes the importance of reducing carbon footprints and minimizing greenhouse gas emissions through effective energy conservation practices. The overarching goal is to promote a sustainable lifestyle that contributes to a healthier planet by encouraging individuals and communities to adopt energy-efficient measures and reduce their overall energy consumption.



Mr. Bhavesh Swami explains about the energy conservation



EVENT:	DEBATE COMPETITION - ENVIRONMENTAL		
Date / Time:	06.01.2024/ 3:30 PM Onwards	Mode:	Offline
Location / Link:	Einstein Hall, Chitkara University, Punjab		
Activity In-charge:	Ms. Robynpreet Kaur		
No. of Participants:	70 cadets		
Resource Person	----		
SDG:	4-Quality Education; 9-Industry, Innovation and Infrastructure; 13-Climate Action; 14-Life below water		

BRIEF DESCRIPTION

On 6th January, 2024, a spirited debate unfolded among students, centering on the pivotal issue, ‘**Are Recent Innovations playing a role in mitigating Marine Pollution?**’ The event was well organized and highlighted different viewpoints on technology, waste management, and sustainable practices. Students shared strong arguments about how new inventions affect our oceans. They highlighted that the Arctic is especially at risk from climate change, with melting ice caps showing the serious effects of global warming. This situation threatens the unique animals that live there and could impact sea levels and weather around the world. The lively discussions encouraged students to think critically and highlighted the need for new solutions to protect our oceans for the future.

The debate was justified within the current trend of prioritizing environmental sustainability. It provided a crucial platform for students to analyze and discuss cutting-edge solutions, aligning with the global focus on eco-friendly practices. In the face of pressing environmental challenges, the activity fostered awareness and critical thinking, emphasizing the role of innovation in addressing marine pollution.



It resonated with contemporary trends by highlighting how technological advancements and forward-thinking approaches are essential for a sustainable future. The debate served as a timely and relevant exploration of innovation's role in tackling environmental issues.

After a rigorous and intellectually engaging debate, it was the **Starboard House that ultimately secured triumph** in the competition, showcasing their exceptional prowess in argumentation and articulation.



Event details	
Name of the School/Department	Chitkara Law School
Date of Event	20 th January 2024
Title of the Event	Sustainable Development and Environment Pollution: Issues and Challenges
Mode	Offline
Type of participation	Organised
Number of Faculty participation	09
Number of Student participation	49
Number of Guests participants	08

Chitkara Law School initiated its efforts towards Sustainable development goals as part of United Nations Goals by organizing an address on Sustainable Development and Environment Pollution: Issues and Challenges. Mr. Sumit Bhardwaj, President, Green Planet Society, Chandigarh along with the team graced the Occasion.



The students were enriched with the practical exposure of different endeavors taken by society to help towards Sustainable development. Further, the students were encouraged to sustain the Environment through their individual efforts. They were enlightened about Sustainable Development Goal 13 which addresses the critical issue of global warming and climate change, emphasizing the urgent need to mitigate the impact of human activities on the environment. This goal highlights the importance of reducing carbon footprints and minimizing the emission of greenhouse gases, which are significant contributors to the ongoing climate crisis. Efforts to achieve this objective involve implementing strategies that promote sustainability, enhance energy efficiency, and encourage the use of renewable resources, thereby fostering a healthier planet for future generations.



Moving ahead with this objective, Chitkara Law School signed an MOU with "Green Planet Society" with a view to ignite the spirit of Environment protection through internship. Plantation Drive was undertaken with a view to take first step towards collaboration with Green planet society.



Event Name:-	Tree Plantation Drive
Venue:-	Alpha Zone
Date:-	26 th January, 2024
SDG Number, Name, and NEP:	13-Climate Action & 15-Life on Land, NEP-1
Organized By:-	National Service Scheme, Chitkara University, Punjab
No. of Participants:	65
Duration:-	One Day

Description of Event

On Republic Day, January 26, 2024, the National Service Scheme at Chitkara University in Punjab held a grand event that combined celebration with a focus on nature. This initiative sought to address climate change by planting trees that absorb carbon dioxide from the air. As a way to honor our country and its values, NSS organized a tree plantation drive that linked patriotism with environmental care. The NSS team at Chitkara University is dedicated to promoting a greener and healthier planet through these meaningful activities.

At the wheel of this initiative stood Dr. Madhu Chitkara, Pro-Chancellor, of Chitkara University, Punjab, whose visionary leadership has not only built an institution of academic excellence but also fostered a culture of social responsibility and environmental consciousness. Dr. Madhu Chitkara, the Pro-Chancellor, planted a sapling to demonstrate her commitment to climate action. By doing so, she emphasizes her dedication to fighting climate change and safeguarding the environment for future generations. This act serves as a motivating example for others to take simple actions toward a more sustainable and greener future.

Dr. Archana Mantri, Vice-Chancellor of Chitkara University in Punjab, along with other respected guests, participated in a meaningful tree plantation drive that honored the country's greatness. As each sapling was planted, it symbolized the nurturing bond between our nation and its people. By planting more trees, Chitkara University aims to prevent soil erosion and enhance the health of the ecosystem.

Republic Day celebrates India's sovereignty and core values of unity, diversity, and progress. Planting trees symbolizes new beginnings and growth, mirroring India's journey

of nurturing its citizens. Honoring this day with tree planting signifies respect for India's development.

In the end, the tree plantation drive held by Chitkara University in collaboration with NSS highlights a strong dedication to protecting the environment and involving the community. This initiative boosts biodiversity and helps fight climate change while encouraging students and residents to take responsibility. By joining forces to plant trees, we are making a meaningful contribution to creating a greener future for generations to enjoy.



One-week Management Development Program on Sustainable and Green Products

EVENT:	Training on Sustainable and Green Products		
Date / Time:	13-16 Feb /10.00-11.30 hrs	Mode:	Offline
Location / Link:	Yellow Point Farm, Chitkara University, Punjab		
Activity In-charge:	Dr Anurag Tewari		
No. of Participants:	30 students		
Resource Person	Mr. Krishan Kumar Prof. Anurag Tewari Prof. Antony Boity Dr. Gurpreet Singh		
SDG:	8, 9, 12, 13, 15, 17		

Training on sustainable and green products emphasizes the importance of environmental awareness and responsible consumption. By teaching people about sustainable practices and the advantages of using eco-friendly products, we can work towards lowering our carbon footprint and addressing climate change. These training programs provide participants with knowledge about environmentally friendly alternatives, energy-efficient technologies, and strategies to support sustainable development goals.

About the Activity

- This dynamic 4-day training program provided an in-depth exploration of sustainable and green product development, empowering participants with the knowledge and tools to launch or enhance eco-conscious businesses.
- **Day 1: Setting the Stage** MSME officials introduced various schemes and grants available to support sustainable business ventures, laying the foundation for entrepreneurial success.



CHITKARA School of Psychology and Counselling

MSME Ministry of MSME, Govt. of India

YELLOW POINT FARM

SUSTAINABLE AND GREEN PRODUCTS

Resource persons

Krishan Kumar MSME official
Dr. Anurag Tewari (Dean-Agriculture | Yellow Point Farm)

Dr. Gurpreet Singh Saggu (Sustainability Manager)
Prof. Antony Boity (Professor CSPA)

Date: 13th -16th Feb, 2024
Time: 10:00 am - 11:30 am

Valedictory Function
20th February 2024

For joining, kindly contact
Dr. Gurpreet Singh 9041733378

Faculty coordinator – Dr. Anurag Tewari

- **Day 2: The Sustainability Imperative** The sustainability manager delved into the critical topics of climate change, carbon footprint, and Life Cycle Assessment (LCA). Participants gained a deep understanding of the environmental impacts of products and the importance of sustainable design.
- **Day 3: Experiencing Sustainability in Action** An immersive field visit to Yellow Point Farm showcased organic farming practices and innovative recycling techniques. This hands-on experience solidified the principles of sustainable agriculture.
- **Day 4: Building Green Infrastructure** The day focused on the potential of green infrastructure. Experts discussed its role in mitigating environmental impact, promoting resource efficiency, and enhancing overall sustainability.
- **Day 5: Valedictory function**
This program is crucial for aspiring entrepreneurs who want to start or improve environmentally friendly businesses. It provides participants with important knowledge and practical tools, helping them understand the challenges and opportunities related to sustainability.

Day-1



Mr. Krishan Kumar, an MSME official, told the audience about various MSME schemes for young entrepreneurs to start their businesses.



From left to right, the faculty members – Dr. Amit Gupta, Dr. Gurpreet Singh, Prof. Antony Boity, Prof. Anurag Tewari, and Mr. Krishan Kumar (an MSME official)

Mr. Krishan Kumar, a representative from the Ministry of Micro, Small, and Medium Enterprises (MSME), delivered an informative presentation about different schemes and grants for entrepreneurs. He also introduced a new framework for student training that emphasizes sustainable and eco-friendly products.

The discussion began with an overview of the various schemes and grants offered by MSME to support entrepreneurship and business growth. These programs include financial aid, technology upgrades, marketing assistance, and skill development initiatives tailored for small and medium enterprises. Specific programs, like the Prime Minister's Rozgar Yojana and the Credit-Linked Capital Subsidy Scheme, highlighted the government's dedication to creating a supportive environment for business development.

Key Features of MSME Schemes:

1. **Accessibility:** The schemes are designed to be accessible to a wide spectrum of entrepreneurs, irrespective of their socio-economic background.

2. **Financial Support:** MSME provides substantial financial assistance through loans, subsidies, and grants, thereby mitigating the capital constraints faced by startups and small businesses.
3. **Capacity Building:** Emphasis is placed on enhancing the capabilities of entrepreneurs through skill development initiatives, training programs, and mentorship support.
4. **Sector-Specific Focus:** The schemes cater to diverse sectors, ranging from manufacturing to services, ensuring inclusivity and sectoral growth.
5. **Regulatory Support:** MSME offers guidance and support in navigating regulatory frameworks, facilitating ease of doing business for budding entrepreneurs.

Structure for Student Training on Sustainable and Green Products: The session not only detailed MSME schemes but also established a structured training framework for students that prioritizes sustainable and eco-friendly product initiatives. With an awareness of the necessity for environmentally responsible solutions, this framework is crafted to provide students with the fundamental knowledge and skills essential for the development and design of products that follow sustainable practices.

Key Components of the Training Structure:

1. **Curriculum Integration:** Incorporating modules on sustainability within existing academic programs to instill environmental consciousness among students from diverse disciplines.
2. **Practical Workshops:** Organizing hands-on workshops encompassing sustainable product design, material sourcing, and life cycle assessment to foster experiential learning.
3. **Industry Collaborations:** Facilitating partnerships with eco-conscious industries to provide students with real-world exposure and industry insights.
4. **Research Initiatives:** Encouraging students to undertake research projects focusing on sustainable solutions, thereby fostering innovation and problem-solving capabilities.
5. **Entrepreneurial Mentoring:** Providing mentorship and guidance to students aspiring to venture into sustainable entrepreneurship, nurturing their ideas from conception to implementation.

The presentation given by the MSME official provided a clear overview of the numerous opportunities for entrepreneurs and highlighted an innovative approach to training students

in sustainable methods. By taking advantage of MSME programs and focusing on sustainability, students and aspiring entrepreneurs can foster positive change, promote economic development, and protect the environment for future generations.

Day-2



Dr. Gurpreet Singh is talking about the concepts of the circular economy and how to introduce them into any business.



Dr. Gurpreet Singh (Sustainability Manager) enlightening students about the concepts of carbon footprint and life cycle analysis of different products.



Dr. Gurpreet Singh gave a talk to the students on how they can make business and products sustainable and green.

Dr. Gurpreet Singh, the Sustainability Manager of Chitkara University, delivered an enlightening talk on the imperative of sustainable and green products. Addressing critical topics such as climate change, business impact on the environment, carbon footprint reduction strategies, and the application of Life Cycle Analysis (LCA), Dr. Singh provided invaluable insights into fostering a more sustainable future.

Climate Change and Business Responsibility: Dr. Singh initiated the discussion by emphasizing the urgency of addressing climate change and the pivotal role of businesses in mitigating its impacts. Highlighting the interconnection between individual business practices and global environmental degradation, he underscored the importance of corporate responsibility in driving sustainable development.

Understanding Carbon Footprint: Central to Dr. Singh's discourse was the concept of a carbon footprint – the total greenhouse gas emissions produced

directly or indirectly by an individual, organization, event, or product. Drawing attention to the significance of quantifying and reducing carbon emissions, he elucidated methodologies for calculating and assessing the carbon footprint of businesses and products.

Strategies for Carbon Footprint Reduction: In elucidating ways to reduce carbon footprint, Dr. Singh offered a multifaceted approach encompassing operational, supply chain, and product-level interventions. From adopting energy-efficient technologies and optimizing resource utilization to implementing sustainable procurement practices and promoting circular economy principles, his recommendations aimed to catalyze meaningful reductions in carbon emissions across the value chain.

Life Cycle Analysis (LCA) for Sustainability: A key highlight of Dr. Singh's talk was the application of Life Cycle Analysis (LCA) as a holistic approach to evaluating the environmental impact of products throughout their entire life cycle – from raw material extraction and production to use, disposal, and beyond. By considering the cumulative environmental burdens associated with each stage, LCA enables informed decision-making and the identification of opportunities for enhancing product sustainability.

Dr. Gurpreet Singh's talk on sustainable and green products provided a comprehensive framework for addressing pressing environmental challenges and fostering sustainable business practices. By integrating principles of climate action, carbon footprint reduction, and Life Cycle Analysis, businesses can embark on a transformative journey towards environmental stewardship, resilience, and long-term viability.

Day-3



Prof. Anurag Tewari gave insights to the attendees about sustainable farming.



Students get hands-on experience with the life cycle analysis of farming products.

Day 3 of the sustainable and green products training program marked a significant milestone as students embarked on a transformative field visit to the renowned Yellow Point Farm area of Chitkara University. Led by a senior agriculturist, Prof. Anurag Tewari, the day offered hands-on experience in organic farming practices, life cycle analysis, and active participation in sustainable agriculture initiatives.

Organic Farming Showcase: Upon arrival at Yellow Point Farm, students were greeted by a vibrant landscape teeming with a variety of organically grown crops. From lush green vegetables to vibrant fruits, the farm served as a living testament to the principles of sustainable agriculture. The senior agriculturist provided insightful commentary on the cultivation techniques employed, emphasizing the importance of soil health, biodiversity, and natural pest management in organic farming.

Life Cycle Analysis Demonstration: A highlight of the field visit was the demonstration of life cycle analysis (LCA) in action. Students were guided through the process of assessing the environmental impact of various crops, from seedling to harvest and beyond. They gained firsthand insights into how wasted crops and food residues were meticulously converted into compost using an organic waste composter, thus closing the loop on nutrient recycling and minimizing waste.

Hands-On Experience in Green Onion Cultivation: As part of the immersive experience, students were given the opportunity to actively participate in the cultivation process. Armed with gardening tools and green onion seedlings, they enthusiastically sowed the saplings with their own hands, symbolizing their commitment to nurturing sustainable practices and contributing to the creation of a greener future. The act of planting served as a powerful reminder of the transformative potential of individual actions in fostering environmental stewardship.

Key Learnings and Reflections: Throughout the day, students gained invaluable insights into the intricate interplay between agriculture, sustainability, and environmental conservation. They witnessed firsthand the tangible benefits of organic farming practices, from soil enrichment to biodiversity preservation, and experienced the empowering effect of active participation in sustainable initiatives. Moreover, the field visit served as a catalyst for deeper reflection on the

interconnectedness of food systems, waste management, and ecosystem health, inspiring a renewed sense of purpose and commitment to driving positive change.

Day 3 of the training program proved to be a transformative journey into the heart of sustainable agriculture, as students explored the principles of organic farming, life cycle analysis, and hands-on cultivation techniques. The field visit to Yellow Point Farm provided fertile ground for experiential learning, fostering a deeper appreciation for the intricate web of relationships that sustain life on our planet. Armed with newfound knowledge and inspiration, students left the farm with a renewed sense of purpose and a commitment to championing sustainability in their personal and professional endeavors.

Day-4



Prof. Antony Boity is sharing his experience and insights into sustainability and its involvement in our daily lives.



Prof. Antony Kumar Boity made the attendees aware of the concepts of green buildings, the role of buildings, and processes in making your products green.

Day 4 of the sustainable and green products training program witnessed a profound discussion led by Prof. Antony Boity, a distinguished Professor at the School of Planning and Architecture, Chitkara University. Dr. Boity's presentation focused on the critical influence of climate change on the environment and the necessity of lowering CO2 emissions. He stressed the immediate need for worldwide efforts to combat the escalating dangers of climate change and pointed out how vital it is to reduce our carbon footprint to lessen its impacts. In conclusion, he underscored the urgency of this issue and discussed possible solutions that can help create a more sustainable and resilient future.

Understanding Sustainability in Building Design: Dr. Boity commenced the session by elucidating the fundamental principles of sustainability in building design. Emphasizing the interconnectedness between the built environment and environmental conservation, he underscored the imperative for adopting holistic approaches that prioritize resource efficiency, energy conservation, and environmental stewardship.

Minimizing Embedded Carbon: A key highlight of Dr. Boity's talk was the concept of embedded carbon—the total carbon emissions associated with the entire life cycle of a building or product, including material extraction, manufacturing, transportation, construction, and disposal. He elucidated strategies for minimizing embedded carbon, such as utilizing sustainable materials, optimizing construction processes, and promoting circular economy principles to reduce waste generation.

Reducing Carbon Footprint: Dr. Boity underscored the significance of reducing the carbon footprint of buildings and products through innovative design strategies and technology interventions. He highlighted the role of energy-efficient building systems, renewable energy integration, and passive design principles in mitigating operational carbon emissions and enhancing overall energy performance.

Promoting Green Building Certification: In advocating for sustainable building design, Dr. Boity emphasized the importance of green building certification programs, such as LEED (Leadership in Energy and Environmental Design) and

GRIHA (Green Rating for Integrated Habitat Assessment). These certification frameworks provide guidelines and benchmarks for evaluating and promoting the environmental performance of buildings, fostering market transformation towards sustainable practices.

Encouraging Collaboration and Innovation: Throughout the session, Dr. Boity encouraged collaboration and innovation as catalysts for driving sustainable building design initiatives. He underscored the need for interdisciplinary collaboration among architects, engineers, policymakers, and industry stakeholders to address complex sustainability challenges and leverage emerging technologies and best practices.

Dr. Antony Boity's insightful talk on sustainability and sustainable building design provided a comprehensive framework for advancing environmental stewardship and resilience in the built environment. By prioritizing strategies to minimize embedded carbon, reduce carbon footprint, and promote green building certification, stakeholders can collectively work towards creating healthier, more sustainable communities and ecosystems.



Day – 5

The valedictory function served as a platform to acknowledge the participants' dedication and their successful completion of the program. Certificates were distributed, and a sense of accomplishment filled the room. The program fostered a vibrant learning environment, encouraging participants to ask questions, share ideas, and build connections with fellow eco-conscious individuals.

This intensive training program has equipped participants with the knowledge, tools, and network to launch or enhance their sustainable businesses. The future of green product development looks promising with this new generation of empowered individuals leading the charge.

Event Name	Fire fighting
Date	14/02/2024
Venue	Star Explore Hub
Organizer	Mr. Sanjeev Bhardwaj (Fire Officer)
Resource Person	Mr. Sukhminder Singh (Station Fire Officer, Mohali)
Number of Participants	60
SDGs Covered	3, 11, 13, 17
Duration	1 day

About the Activity

Fires can lead to injuries, deaths, and breathing issues. By practicing fire safety, we can lower these dangers and make our communities safer. This supports the goals of Sustainable Development Goal 3, which focuses on health, and Sustainable Development Goal 11, which aims for sustainable cities. Fire safety is crucial for creating safe and strong resilient cities. Following building codes, installing fire alarms, and ensuring fire extinguishers are easy to access can help prevent fires and protect people and property. Large fires can release greenhouse gases, making climate change worse. These fires, often fueled by fossil fuels, harm ecosystems and human health. By preventing fires, we can also help fight climate change and work toward Sustainable Development Goal 13.



Event Name	Expert Talk
Topic	International world Water Day 2024 : leveraging water for peace
Date	2024 - 03 - 22 to 2024 - 03 - 22
Mode	Offline
Venue	Pierre Hall
Organiser	Dr. Payal Sachdeva
Resource Person	Teejdeep Singh
No. of Participants	16
SDG	13

Objective

The event will increase the awareness among students about the importance of water for peace and sustainable development. Students will be able to creatively illustrate the role of water as a catalyst for peace focusing on equitable access, efficient management and collaboration in trans boundary waters.

Description

On the occasion of International World Water Day 2024, the Nirmaan Club of the Department of Civil Engineering, CUIET- AE organized a Poster Making competition for the students on March 22, 2024. Event took place in TB- 308 from 1:30 - 3:00 pm and a total of 16 participants showcased their poster making skills as per the theme allotted to them i.e "Leveraging water for Peace". Students had to creatively illustrate the role of water as a catalyst for peace, focusing on equitable access, efficient management and collaboration in trans - boundary waters.

Outcomes

Sixteen participants from the Department of Civil Engineering at CUIET- AE showcased their poster - making skills on the theme "Leveraging Water for Peace." Participants creatively illustrated the role of water in promoting peace through equitable access, efficient management, and collaboration in trans - boundary waters. The competition highlighted the importance of water as a catalyst for peace. International World Water Day 2024 focuses on the critical theme of utilizing water as a catalyst for peace, addressing the multifaceted challenges posed by marine flooding and drought. This observance emphasizes the importance of sustainable management of water resources in alignment with Sustainable Development Goal 11, which aims to

make cities and human settlements inclusive, safe, resilient, and sustainable. By fostering cooperation and dialogue around water-related issues, the initiative seeks to promote stability and harmony among communities, highlighting the essential role that equitable access to water plays in fostering peace and resilience in the face of environmental challenges.



CHITKARA UNIVERSITY **NIRMAAN**

International World Water Day 2024: Leveraging Water for Peace

Poster making competition

22nd March, 2024

1:30 PM to 3:00 PM @ TB-308 (3rd Floor, Testa Block)

Rules of the event:

1. The poster must be made on the A3 size sheet with firmly drawn margins.
2. The poster can be prepared using any tools such as pencil, crayon, watercolor, etc. Usage of ready made materials such as photographs, print-outs, wires, other such objects, is prohibited.
3. Name, Roll Number, batch of the participant must be clearly mentioned on the right hand side at the bottom of the sheet.
4. During the visit of Jury, each participant has to present about his/her poster for 1 Minute.

Prizes:
Winner: Gift worth of Rs. 1000/-
Runner up: Gift worth of Rs. 500/-

Faculty Coordinators:
 Dr. Akshay Chaudhary - 0209997529
 Dr. Pooja Sachdeva - 9876906596
 Nirmaan Gupta - 9779711111

Student Coordinator:
 Parvati Sharma - 9010105029

Scan for Registration



Last date of Registration: 20th March, 2024

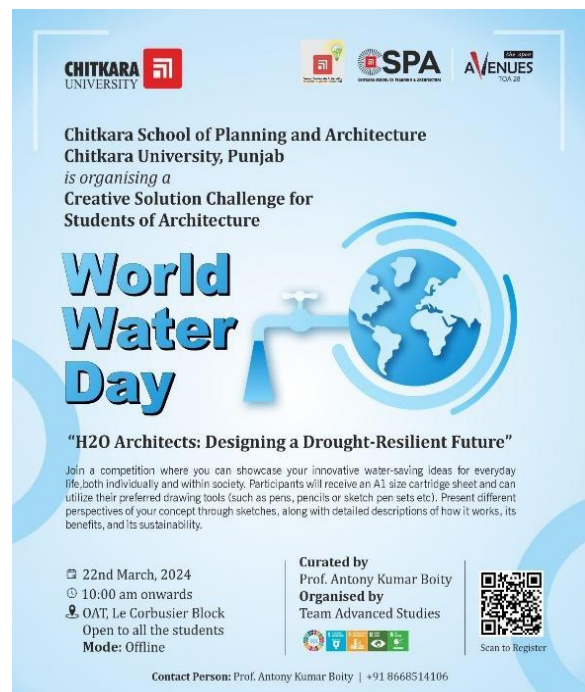
Organized by: Nirmaan Club, Department of Civil Engineering, CUET-AB



Event Name	World Water Day: “H2O Architects, Designing a Drought - Resilient Future.”
Date	25/03/2024
Venue	OAT, Le Corbusier Block, Chitkara University
Organizer	Department of Architecture, CSPA
Resource Person	Prof. Antony Boity
Number of Participants	50 Students and 05 Faculty member
SDGs Covered	4,8,9
Duration	1 Day

About the Activity

In observance of World Water Day, celebrated globally on March 22nd, the Chitkara School of Planning and Architecture (CSPA) organized a workshop to raise awareness about the importance of water conservation. The resource person for this workshop was Prof. Antony Kumar Boity, who enlightened the students about the critical need to save water. Following the workshop, the students participated in a poster-making competition, applying their newfound knowledge to create compelling visual messages about water conservation. The competition was held at the Open-Air Theatre (OAT) in the Le Corbusier block, and fifty students showcased their creativity and commitment to environmental sustainability through their poster designs.



The posters encompassed various themes, including water conservation, the implications of water scarcity, and innovative water management strategies. The faculty members from CSPA, including Dr. Kanika Bansal, Dean of Advanced Studies, judged the competition. They were impressed by the vivid imagery and compelling messages on the posters, which reflected the students’ understanding of the importance of saving water. The top three performers were selected based on their creativity, originality, and the impact of their posters. This event underscored CSPA’s dedication to promoting environmental awareness

among its students. By facilitating discussions around water conservation and encouraging creativity, the students were inspired to take an active role in promoting a more sustainable future.

World Water Day: "H2O Architects, Crafting a Future Resilient to Drought." This theme emphasizes the critical importance of sustainable water management in the face of climate change, particularly under Sustainable Development Goal 13, which addresses the urgent need to combat climate-related impacts. The focus on marine environments, rising sea levels, and the increasing frequency of droughts and floods highlights the necessity for innovative architectural solutions that prioritize the conservation and efficient use of water resources. By integrating advanced design principles with ecological awareness, H2O Architects aim to create infrastructures that not only withstand the challenges posed by climate variability but also promote the sustainable use of water for future generations.



Students during the competition

Event	Innovative Approaches to Environmental Sustainability – Poster Making Competition		
Date/Time	21-04-2024 to 22-04-2024/9 a.m. onwards	Mode:	Offline
Location	Tesla Block, Chitkara University, Punjab		
Activity In-Charge	Mr. Brij Kishore		
No. of Participants:	45(Cadets) + 5(Faculty)		
Resource Person(if any)	Capt. Prabhat Nigam and Dr. Pooja Mahajan		
SDG	4 – Quality Education; 9- Industry, Innovation and Infrastructure; 13-Climate Action; 14-Life below Water; 15- Life on Land.		

BRIEF DESCRIPTION

In commemoration of **Earth Day on April 22, 2024**, a poster- making competition was held to promote innovative approaches to environmental sustainability. The event aimed to raise awareness about pressing environmental issues and inspire creative solutions through art. The competition was conducted for all the batches of B.Sc. (Nautical Science).

Mr. Brij Kishore oversaw this event, with Capt. Prabhat Nigam and Dr. Pooja Mahajan served as judges for the competition. It took place in the Tesla Block at Chitkara University in Punjab. Cadets were asked to create posters that share messages about taking care of the environment, practicing sustainability, and protecting our planet for future generations. This competition helps participants show their understanding of the climate footprint, which refers to the total greenhouse gas emissions caused by human actions, both directly and indirectly.

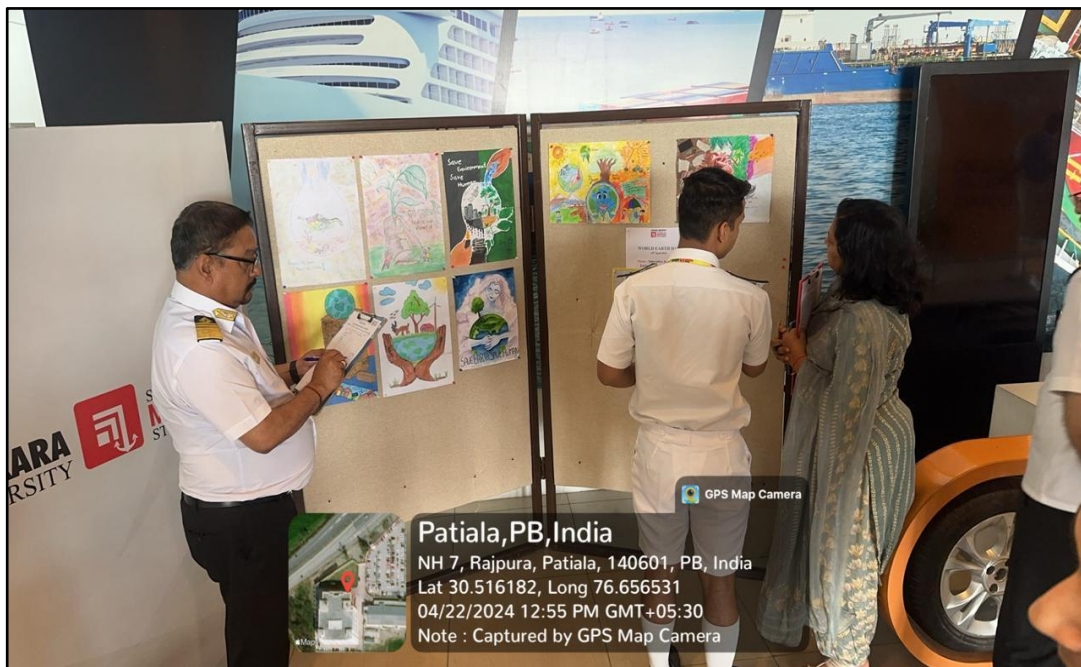


Cadets were encouraged to explore innovative ideas and solutions to address environmental challenges such as climate change, pollution, deforestation, and biodiversity loss. The competition followed an open format, allowing participants to express their creativity using various artistic mediums, including painting and drawing.

Winner *Yuvraj Prashar's* artwork stood out for its impactful portrayal of sustainability issues, while *Kartik Matta* secured second place with a compelling poster on alternative conservation methods.

The event successfully raised awareness and inspired participants and viewers to reflect on environmental footprints, fostering a commitment to a greener future.

The Earth Day poster painting competition was a resounding success, bringing together members of the CUSMS family to celebrate the beauty of our planet and advocate for its preservation. By harnessing the power of art, the event fostered creativity, innovation, and a shared commitment to building a sustainable future for all.



Judges for the competition held on 21st & 22nd April 2024 - Capt. Prabhat Nigam and Dr. Pooja Mahajan



Posters made by Cdt. Yuvraj Singh (BY2023) & Cdt. Kartik Matta (BY2022) declared as Winners on 22nd April 2024



Group photo of the Finalists with Judges on 22nd April 2024

Event Name	International Mother Earth Day
Date	22 nd April 2024
Venue	Picasso Block, Chitkara University, Punjab
Organizer	Chitkara College of Education
Resource Person	Prof. Manpal Setia, Dean Department of Communication Design, Chitkara University, Punjab and Ms. Divya Raghuvanshi
Number of Participants	24
SDGs Covered	3, 4, 11, 12, 13, 15
Duration	2.5 Hours

About the Activity

To sensitize the Alpha Teachers of the need of adopting a sustainable lifestyle and enable them to apply concepts of sustainable development in their daily life, Chitkara College of Education in collaboration with Chitkara Design School organized a hands-on-training session on ‘**Sustainable Lifestyle**’ celebrating **International Mother Earth Day 2024**, on **22nd April 2024**. The resource persons for the workshop were **Prof. Manpal Setia**, Dean Department of Communication Design, Chitkara University, Punjab and **Ms. Divya Raghuvanshi**, a sustainable lifestyle practitioner and low-waste lifestyle advocate. Considering the carrying capacity of ecosystems as related to providing for human needs, the workshop focussed on the healthy practices to be adopted in the contemporary times to address sustainability challenges in a global context. As a part of the environmental movement, the session created awareness on identifying the sustainable challenges and how an individual can contribute to protect Earth's natural resources for future generations. This day serves as a tribute to the accomplishments of the environmental movement and underscores the imperative of safeguarding Earth's ecological assets for posterity. This workshop was powered by Earthy Tales Services Pvt Ltd., a faculty startup with Chitkara Innovation Incubator Foundation, Chitkara University, Punjab. The session sensitized the participants of the actions towards sustainable living practices through interactive discussions and hands-on experiences. During the workshop, Prof. Manpal Setia and Ms. Divya Raghuvanshi delved into the concept of the "**shift campaign**," highlighting a series of interactive activities and hands-on experiences (e.g Preparing BIO-ENZYMES using the kitchen waste). The session actively engaged the participants in discussions and activities promoting a shift from traditional approach to sustainable approach navigating ways leading

to a healthy and sustainable lifestyle. They stressed on composting as a prime example, referring to it as "**black gold**" due to its immense benefits for the environment. Notably, they mentioned their ongoing development of a board game centred around composting, which aims to make learning the sustainable alternatives engaging and enjoyable. Using simple ingredients such as jaggery, water and peels of lemon and orange, the Alpha teachers embarked on the process of creating bio-enzymes. Additionally, a competition on the topic '**Letter to Mother Earth**' was organized, open to all students and faculty of Chitkara University. About 35 participants attended the workshop which included 24 Alpha Teachers of B.Ed Sem 2 & 4 (2023-25 & 2022-24 Batch) and two Faculty members as well as the students of design school. Overall, the session was very informative and interactive giving a strong message. The message conveyed throughout the workshop was that sustainability operates in a loop, where sustainable practices serve as a means of returning to our roots and nurturing the sustainable environment. International Mother Earth Day focuses on Sustainable Development Goal 13 which addresses the critical issue of global warming and climate change, emphasizing the urgent need to mitigate the impact of human activities on the environment. This goal highlights the importance of reducing carbon footprints and minimizing the emission of greenhouse gases, which are significant contributors to the ongoing climate crisis. Efforts to achieve this objective involve implementing strategies that promote sustainability, enhance energy efficiency, and encourage the use of renewable resources, thereby fostering a healthier planet for future generations. In conclusion, the Earth Day celebration served as a platform for promoting awareness and action towards sustainable living practices.

Glimpse of the Event



Event Name	NSS Activity
Topic	Tree Plantation on World Earth Day
Date	22 nd April, 2024
Venue	Chitkara University, Punjab
Organizer	Ms. Preetika, Ms. Lakshita, Nursing Tutor, Department of Nursing, CSHS
No. of Participants	07
No of Impacted Individuals	-
Under SDG no.	13,15
SDG Details	Climate Action, Life on Land

Objective

To raise awareness about environmental issues and inspire action to protect and preserve the planet for future generations. Earth day is observed every year on 22nd April. To create awareness about environmental issues and inspire action to protect and preserve the planet for future generations.

NSS Volunteers of class B.Sc. (N) 4th semester from Department of Nursing, CSHS Chitkara University, Punjab in collaboration with Centre of Excellence for Sustainability organized a Tree Plantation activity on 22nd April, 2024 organized by Ms. Preetika and Ms. Lakshita Nursing Tutor, Department of Nursing, CSHS. The aim behind the event was to combat deforestation, mitigate climate change, promote biodiversity by increasing green cover and restoring ecosystems, fostering a healthier planet for current and future generations.

Tree plantation initiatives on World Earth Day serve as a vital response to the challenges posed by global warming, aligning with Sustainable Development Goal 13. These efforts are instrumental in mitigating climate change by effectively reducing carbon footprints and lowering greenhouse gas emissions. By promoting the planting of trees, we not only enhance biodiversity but also contribute to energy conservation and the overall health of our planet. Engaging communities in these activities fosters a collective responsibility towards environmental stewardship, emphasizing the importance of sustainable practices in combating climate change.



Outcomes

Tree plantation contributes to carbon sequestration, biodiversity conservation, and soil stabilization, fostering a healthier environment for present and future generations.

Event Name	Earth Day -Tree Plantation Drive
Date	22 nd April, 2024
Venue	Nursery, Chitkara University, Punjab
Organizer	Department of Interior Design
Resource Person	
Number of Participants	19
SDGs Covered	13- Climate Action, 15-Life on Land
Duration	One Day

About the Activity

On the occasion of Earth Day on 22nd April, 2024, a Tree Plantation Drive was organized by the Department of Interior Design. The NSS volunteers, faculties and Dean of the department Prof. (Dr.) Atul Dutta participated. They took initiative to plant the trees in the Chitkara University Campus. The purpose of this drive was to take an initiative to make earth more greener to control the environmental issues and support life on earth.

Tree plantation initiatives on World Earth Day serve as a vital response to the challenges posed by global warming, aligning with Sustainable Development Goal 13. These efforts are instrumental in mitigating climate change by effectively reducing carbon footprints and lowering greenhouse gas emissions. By promoting the planting of trees, we not only enhance biodiversity but also contribute to energy conservation and the overall health of our planet. Engaging communities in these activities fosters a collective responsibility towards environmental stewardship, emphasizing the importance of sustainable practices in combating climate change.





Glimpses of NSS Volunteers and Faculties at during the event

Event Name	International Mother Earth Day , Planet VS. Plastics
Date	22nd April,2024
Venue	Online
Organizer	Chitkara School of Psychology and Counselling in collaboration with Chitkara College of Education, Office of International Affairs,Chitkara University
Resource Person	Mr. Bhavesh Swami,National Manager, Clean Energy,TCRP and the panelists were Ms. Karuna Singh, Regional Director Asia,Earth Day Network,Ms. Shweta Khare Naik,Executive Director,Jane Goodall Institute (JGI),India, Ms.Aruna Chowbay N, Chief Operating Officer(COO)- APChemi and Dr.Charu Khosla,Director (Academics & Research)Office of International Affairs, Chitkara University
Number of Participants	60
SDG Number	4,13 & 17
Duration	1 hour

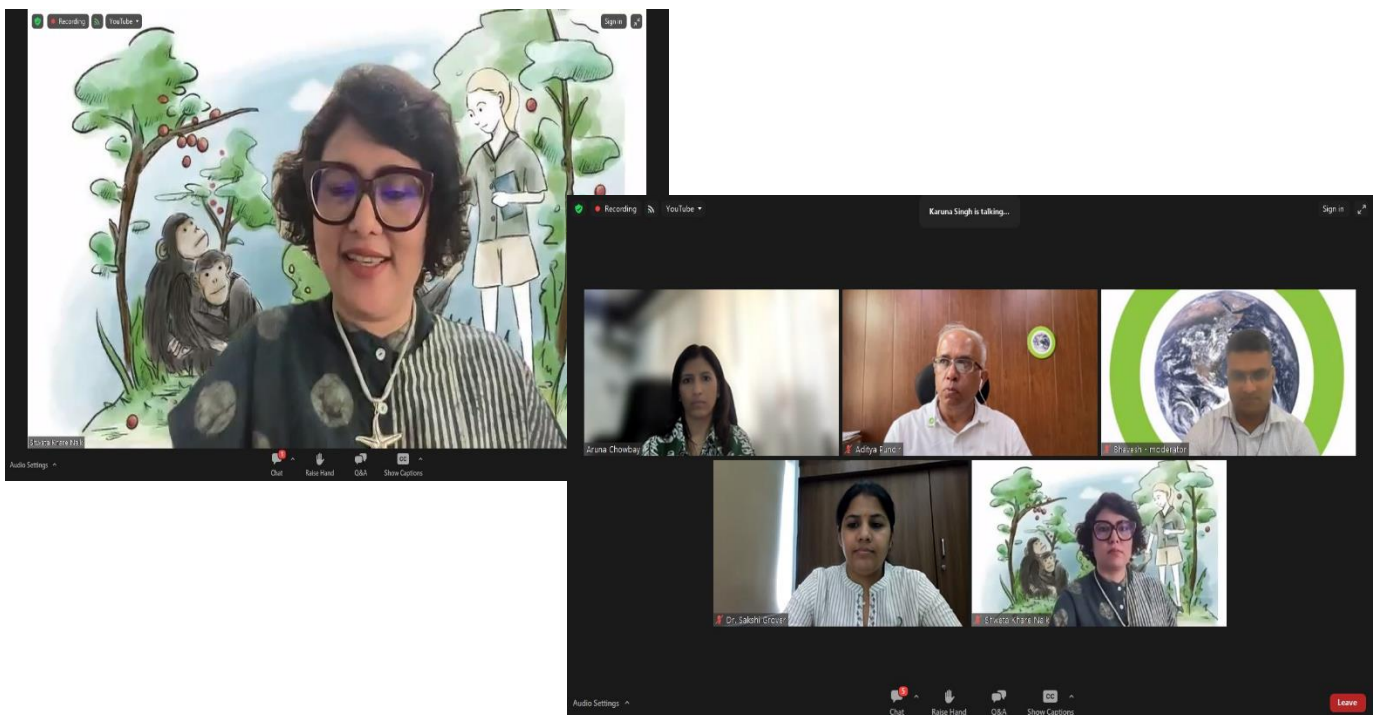
About the Activity

Chitkara College of Education*, in collaboration with *The Climate Reality Project, India and South Asia(TCRP), Association of Professional Social Workers and Development Practitioners, Earth Day Network, Jane Goodall Institute, India, Women's Indian Chamber of Commerce and Industry (WICCI),Chitkara School of Psychology and Counselling,and Office of International Affairs,Chitkara University* commemorated International Mother Earth Day 2024: Planet vs. Plastic by organizing a virtual Panel Discussion with eminent panelists. The panel moderator was *Mr. Bhavesh Swami,National Manager, Clean Energy,TCRP and the panelists were Ms. Karuna Singh, Regional Director Asia,Earth Day Network,Ms. Shweta Khare Naik,Executive Director,Jane Goodall Institute (JGI),India,

Ms.Aruna Chowbay N, Chief Operating Officer(COO)- APChemi and Dr.Charu Khosla,Director (Academics & Research)Office of International Affairs, Chitkara University*.

With this event we aimed to educate the students about environmental literacy,positive behavioural change towards environment sustainability, community engagement and raise awareness of the need to protect Earth's natural resources for future generations

Earth Day serves as a pivotal reminder of the urgent need to address Sustainable Development Goal 13, which focuses on combating climate change and its impacts. The phenomenon of global warming, primarily driven by the accumulation of greenhouse gases in the atmosphere, necessitates immediate action to mitigate its effects. One of the critical strategies in this endeavor is to reduce our carbon footprint, which encompasses the total greenhouse gas emissions directly and indirectly associated with our activities. By adopting energy-efficient practices and transitioning to renewable energy sources, we can significantly lower these emissions, thereby contributing to a more sustainable and resilient planet.



EVENT:	Tree Plantation drive on World Earth Day i.e.; 22nd April, 2024		
Date / Time:	22 nd April 24 /1100-1430 hrs	Mode:	Offline
Location / Link:	Yellow Point Farm, Chitkara University, Punjab		
Activity In-charge:	Dr Anurag Tewari & Mr. Sube Singh		
No. of Participants:	162 Employees		
Resource Person (if any)	Dr Anurag Tewari		
SDG:	3, 13 & 15		

Event Details

Tree-planting initiatives are essential for fighting climate change and lowering greenhouse gas emissions. Increasing the tree count enables us to effectively remove carbon dioxide from the atmosphere, which in turn supports a more vibrant and healthy environment for all beings. World Earth Day serves as an excellent chance to highlight the significance of tree planting and motivate more individuals to get involved.



World Earth Day is observed annually on April 22nd, and this year, Chitkara University joined in the commemoration. The event emphasized the vital importance of safeguarding the environment and implementing measures to lower carbon emissions. A group of 162 employees from the Rajpura campus participated actively, planting indigenous forest species at Yellow Point Farm. The Miyawaki Forest was expanded to encompass 400 square meters, with an additional 400 plants being planted by the employees, who expressed their commitment to environmental conservation through chanting slogans.



Event Name	Exhibition:ChitkaraMandi
Date	13 th May, 2024
Venue	VR Punjab, Mohali
Organizer	Dr. Rashmi Aggarwal
Resource Person	Mr. Siddaq Singh
Number of Participants	80
SDGs Covered	1 to 17
Duration	2 days

About the Activity

The "chitkaramandi" summer carnival 2024 was a really well-run, interesting workshop with a social cause. Over the duration of the workshop, the students engaged in a variety of activities that demanded their complete focus and participation and produced a variety of learning outcomes. They prepared a variety of goods to be sold in the mall, with the proceeds going directly to support non-governmental organizations. With the aid of various exercises, students defined all of the sustainable goals during the workshop. Students engaged in a variety of interesting activities, such as flash mob dances, bhangra, and nukkadnatak, to draw attention to the event in the PVR mall, Mohali. **Overall, it was a thorough learning experience with lessons of Collaboration and Creativity.**



They explained to the audience that Sustainable Development Goal 13 addresses the critical issue of global warming and climate change, emphasizing the urgent need to mitigate the impact of human activities on the environment. This goal highlights the importance of reducing carbon footprints and minimizing the emission of greenhouse gases, which are significant contributors to the ongoing climate crisis. Efforts to achieve this objective involve implementing strategies that promote sustainability, enhance energy efficiency, and encourage the use of renewable resources, thereby fostering a healthier planet for future generations.

Event Details	
Event Name	Extra-Curricular Activity
Topic	Photography Competition on World Environment Day
Date	5 th June, 2024
Mode	Offline
Venue	Ground Floor, Galileo Block
Organizer Name	Ms. Keerat, Nursing Tutor Ms. Lakshita, Nursing Tutor
No. of Participants	13
SDG No.	4: Quality Education 13: Climate Action 15: Life on Land

Objectives

The competition aims to bring out the creativity of the students in celebrating World Environment Day.

Description

The Department of Nursing, in collaboration with Centre of Excellence for Sustainability, organized a Photography Competition on the occasion of **World Environment Day**, on 5th June, 2024, with the theme: **Land restoration, desertification, and drought resilience**. The event aimed not only to highlight the technical skills of the participants but also to capture the essence of the environment and its significance in human life. The panel of judges for the competition comprised Ms. Eenu, Associate Professor, and Ms. Kanika Guleria, Assistant Professor. Both judges brought their expertise and keen eye for detail to evaluate the entries and determine the winners. Mr. Burhan, B.Sc. Nursing 4th Year student stood First, Mr. Karan Saini, B.Sc. Nursing 2nd Semester secured 2nd position & Mr. Anmol Saini, B.Sc. Nursing 4th Year secured 3rd position.

The photography competition held in conjunction with World Environment Day aims to raise awareness about Sustainable Development Goal 13, which focuses on combating climate change and its impacts. Participants are encouraged to capture images that reflect the urgent need to address global warming, reduce carbon footprints, and minimize energy consumption. The competition seeks to highlight the importance of mitigating greenhouse gas emissions and promoting sustainable practices that contribute to a healthier planet.

Through the lens of photography, the event aspires to inspire individuals and communities to act towards environmental preservation and climate resilience.

Outcomes

The competition will help the nursing students to showcase their creativity and commitment to the cause of environmental restoration.

