



Newsletter

# ecolution TIMES

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"Let's Nurture the Nature for Better Future"



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A glimpse of events, activities of  
Chitkara University's Sustainability  
Club "ECOLUTION"



**CHITKARA**  
UNIVERSITY



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# FROM THE EDITORIAL DESK



**Dr. Gurpreet Singh Saggu**  
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"Change is upon us."

Sustainability is the ability to meet the needs of the present without compromising the ability of future generations to meet their own needs. It is a concept that encompasses economic, environmental, and social dimensions.

The Sustainable Development Goals (SDGs) are a set of 17 goals adopted by the United Nations in 2015. The goals aim to end poverty, protect the planet, and ensure prosperity for all by 2030. The SDGs are also universal, meaning that they apply to all countries, regardless of their level of development. This is important because it recognizes that sustainability is a global challenge that requires a global response.

There are many ways to contribute to sustainability and the SDGs. Some simple things that individuals can do include:

- Reducing their consumption of energy, water, and other resources.
- Recycling and composting.
- Choosing sustainable products and services.
- Getting involved in their community and advocating for sustainable policies.
- Businesses can also contribute to sustainability by adopting sustainable practices, such as using renewable energy, reducing waste, and promoting social responsibility.

Sustainability is important because it is essential for our future. If we do not take steps to protect the environment and ensure that everyone has access to the resources they need, we will face serious challenges in the years to come. The SDGs provide a roadmap for achieving a more sustainable future for all.

By working together, we can create a more sustainable future for all.

# FROM STUDENT EDITORS



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**Sustainability Club**

"Unlocking the Power of the Circular Economy: Paving the Way to a Sustainable Future"

The key principles of Circular Economy are:

- 1.Designing for Durability and Reusability: Creating products that are built to last, easily repairable, and designed for multiple lifecycles.
- Embracing Recycling and Upcycling: Transforming waste materials into valuable resources through recycling and upcycling processes.
- Shifting to Product-as-a-Service Models: Moving from traditional ownership to a service-based approach, where products are shared, leased, or rented.
- Adopting Renewable Energy and Sustainable Inputs: Transitioning to clean and renewable energy sources while utilizing sustainable raw materials in production.
- Fostering Collaboration and Closed-Loop Systems: Establishing partnerships and circular supply chains to ensure the flow of materials is circular and waste is minimized.

The circular economy offers a compelling framework for achieving sustainability and resilience in a resource-constrained world. By adopting circular principles, collaborating across sectors, and embracing innovative solutions, we can usher in a future where waste is minimized, resources are preserved, and well-being is prioritized. As members of Chitkara's Ecolution Club, let's champion the circular economy, inspire others, and work towards a more sustainable and prosperous future.

Let's Together unlock the power of the circular economy and pave the way to a sustainable tomorrow by taking small steps in your daily life. Consider repairing items, supporting businesses that prioritize sustainability, and advocating for circular practices in your community. Together, we can make a lasting impact on the environment and shape a brighter future for generations to come.

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## "WE ARE NOT ABOVE NATURE, WE ARE A PART OF NATURE"

Chitkara University, has taken a great initiative to save our nature by establishing the Ecolution Club. The club focuses on the following objectives to safeguard the environment:

- **Reduce, Reuse and Recycle:** Follows the three “R’s” to protect and conserve natural resources and landfill space.
- **Volunteers:** Students from Chitkara University are come forward to taking up the different responsibilities to get involved in practice of protecting the environment.
- **Educate:** When students are aware and educated about natural resources, then they can also help others to understand the importance of conserving the nature.
- **Conserve Water:** Although there is plenty of water surrounded by earth but very less to drink, so it’s very important to use our resources wisely and don’t waste even single drop of water. It’s very important that we can recycled the water as we can.
- **Plant a Tree:** Trees provide food and oxygen that help to save energy, clean the air and help combat climate change.
- **Don’t flow chemicals in waterways:** Choose non-toxic chemicals for personal care, home and office cleaning, so that no harmful chemicals are goes into rivers.
- **Shop Wisely:** Buy less plastic and bring reusable shopping bags. Instead use handmade cloth bags.



# INAUGURAL CEREMONY



She motivated all the faculties and members of the club to follow and achieve the objectives of 17 Sustainable development goals (SDG's) and blessed the club coordinators with her warm wishes and blessings in imparting knowledge and motivating students for moving towards sustainable lifestyle.

## Beginnings

On 3rd March 2023, at Chitkara University, Punjab, Hon'ble Pro-Chancellor, Dr. Madhu Chitkara inaugurated the ECOLUTION Club. The event was graced by the auspicious presence of Dr. K. K. Mishra (Pro Vice Chancellor, CU-AQAC), Ritu Nag, Mr. Kulbir Singh, Dr. Gurpreet Singh, Dr. Anand A. Jha, Dr. S. C. Sharma (Registrar), Mr. Sanjay Khurana, Mr. Sanjeev Bhardwaj and Ms. Neelam.

This day is also marked as "World Wildlife Day" and it cherishes all the world's wild animals, plants and their contribution to our lives and the health of the planet.

# ROLES & RESPONSIBILITIES



## CORE MEMBER OF ECOLUTION CLUB, PUNJAB

| Sl No. | Position       | Punjab Campus         |
|--------|----------------|-----------------------|
| 01     | Documentation  | Abhishek and Sakshi   |
| 02     | Social Media   | James and Kalash      |
| 03     | Technical      | Sujal and Kalash      |
| 04     | Events         | Muskaan and Gursimran |
| 05     | Promotion      | Daksh and Rashim      |
| 06     | Decoration     | Ishneet and Rohit     |
| 07     | Administration | Abhishek and Vicky    |
| 08     | Photography    | Aman and Kalash       |

# SUSTAINABLE DEVELOPMENT GOALS

## IN SEPTEMBER 2015, THE GENERAL ASSEMBLY ADOPTED THE 2030

agenda for Sustainable Development that includes 17 Sustainable Development Goals (SDGs). Building on the principle of “leaving no one behind”, the new Agenda emphasizes a holistic approach to achieving sustainable development for all. The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

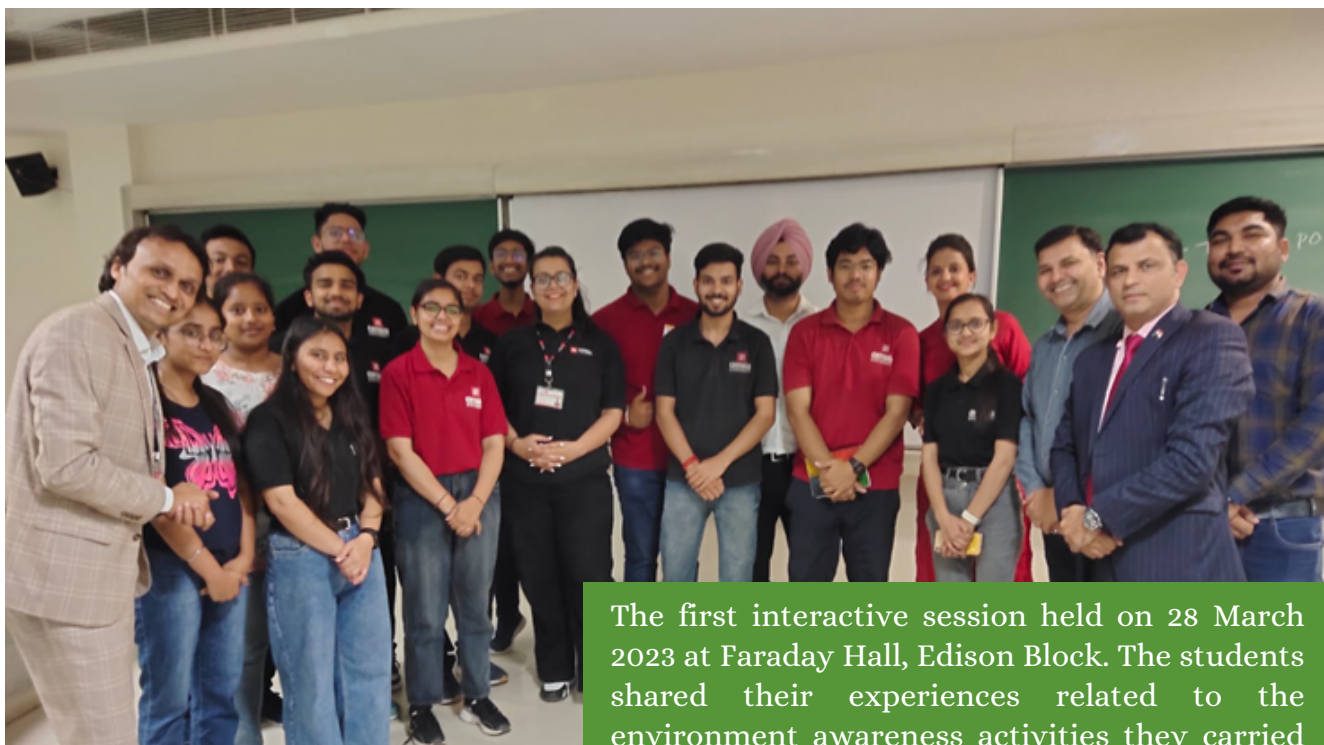
The 17 SDGs are integrated—they recognize that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability. Countries have committed to prioritize progress for those who're furthest behind. The SDGs are designed to end poverty, hunger, AIDS, and discrimination against women and girls. The creativity, knowhow, technology and financial resources from all of society is necessary to achieve the SDGs in every context.

Chitkara Ecolution Club is working on all 17 Sustainable Development Goals shown below:





# FIRST INTERACTIVE SESSION



The first interactive session held on 28 March 2023 at Faraday Hall, Edison Block. The students shared their experiences related to the environment awareness activities they carried out or were a part of such as tree plantation, recycling etc. The stories were motivating and inspiring. Many students always wanted to bring the change by raising awareness drives or tried to bring a change starting from their homes, communities or hostels, but didn't have any platform or guidance. By becoming a part of Chitkara Ecolution Club, a ray of hope was brought to them and a platform was shared with them where they may learn to quantify and control the environmental factors.

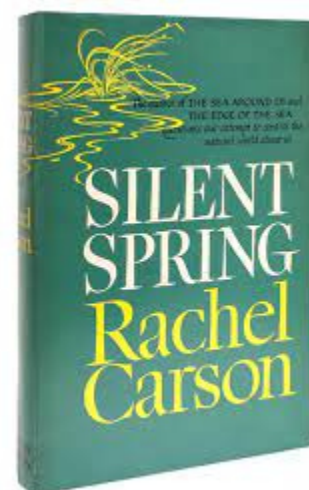


The first interaction session was adorned by the gracious presence of Dr. Anand A. Jha, Mr. Manav Bansal, Dr. Sanjay Khurana and Dr. Amandeep Kaur who also shared their views on the importance of knowledge of sustainable living and sustainable habits amongst the students. Overall, an overwhelming response was received from the students which in turn boosted the Club coordinators to provide exposure to activities which are important for sustainability and circular economy and preservation of the environment.



## BOOK READING – "SILENT SPRING" BY RACHEL CARSON

On 4 April 2023, club members discussed many chapters that are presented in the book "Silent Spring" by Rachel Carson. Each student was given one chapter to read from home and to discuss the summary of the chapters during club meeting. It was a fun and an interactive session. Silent spring is considered the book that started the global grassroots environmental movement. Released in 1962, it focuses on the negative effects of chemical pesticides that were, at the time, a large part of US agriculture. Rachel Carson and her work began initiating a shift in global environmental consciousness which lead to the establishment of the U.S. Environmental Protection Agency and the passing of numerous laws protecting the environment and human health, including a ban on domestic use of DDT in 1972 due to its widespread overuse and harmful impact on the environment.



## SEWAGE TREATMENT PLANT (STP) VISIT

### ON 6 APRIL 2023, THE ECOLUTION CLUB MEMBERS VISITED STP

The students learnt how to separate solid-liquid waste, how to clean it and how to reuse it for manure and water for plants. The connection between SDG 6 and sewage treatment plants can be understood through the following aspects:

**Clean Water and Sanitation:** SDG 6 aims to provide access to clean and safe water sources, as well as improved sanitation facilities for everyone. Sewage treatment plants contribute to this goal by treating wastewater and removing harmful substances, such as pathogens, chemicals, and pollutants, from the sewage. The treated water can then be discharged into water bodies, reducing the contamination of freshwater sources and promoting clean water availability.





## >>> WASTEWATER MANAGEMENT

Effective management of wastewater is essential for preserving water resources and protecting the environment. Sewage treatment plants are key components of wastewater management systems. They help prevent the indiscriminate disposal of untreated sewage, which can contaminate rivers, lakes, and groundwater sources. By treating wastewater, sewage treatment plants contribute to mitigating water pollution and ensuring the sustainable management of this valuable resource.



## DESIGNING ECO FRIENDLY BAGS

### >>> ON 14 APRIL 2023

students were presented with an idea about designing the pocket friendly and ecofriendly utility bag. The students come up with very creative ideas and presented their designs. The designs were made on mobile apps, laptops, notebooks etc. whatever designing tool they had to scribble their thoughts. Designing eco-friendly is a necessity in today's modern world. The "Greenizens" designed bags which incorporate origami, eco-friendly material like cotton, jute and hemp.

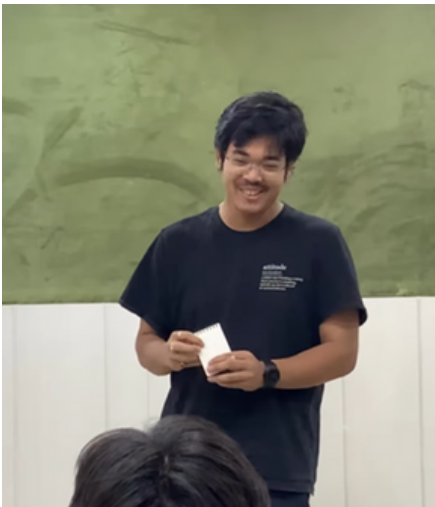


## ➤➤➤ RESPONSIBLE CONSUMPTION AND PRODUCTION

SDG 12 aims to ensure sustainable consumption and production patterns by promoting resource efficiency, minimizing waste, and adopting sustainable practices throughout the entire production and consumption cycle.

The usage of cotton bags is often encouraged as an alternative to single-use plastic bags, which contribute to environmental pollution and harm ecosystems. By using cotton bags, individuals can reduce their reliance on plastic bags, which take a significant toll on the environment due to their non-biodegradable nature. Cotton bags are reusable, reducing the overall consumption of resources and waste generated.

Our tagline “Go Green Go Global” emphasizes the importance of “Sustainable Development Goals”. It is a call to action for everyone to take conscious environmentally responsible decisions. The tagline encourages people to think globally and act locally by making small changes in their daily lives that can have a positive impact on the environment.





# PAPER RECYCLING PLANT



## ➤➤➤ RECYCLING PAPER ALIGNS WITH SDG 12 IN SEVERAL WAYS

Target 12.4: By 2030, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water, and soil to minimize their adverse impacts on human health and the environment. Paper recycling process begins when paper is collected and stored in bins. After collection, the paper is measured and graded for quality. Waste paper with ink, staples, and other contaminants is sorted and removed. The remaining paper is shredded into small pieces and mixed with water to create a pulp. The pulp is then cleaned, de-inked, and bleached to remove any remaining ink or impurities. Finally, the pulp is dried and rolled into new paper products. On 21 April, 2023 the Greenizens visited the paper recycling plant to learn how to recycle paper and make new paper products. Along the way Greenizens studied the Life cycle analysis (LCA) to evaluate to not use paper if the when the shelf life is less.

# NURSERY VISIT

Nurturing a captivating journey, nursery visits unveil the mysteries of plant life and their vital role in our ecosystem. Ecolution Club adeptly orchestrates these visits, revealing nature's verdant wonders. The club imparts invaluable wisdom on nurturing and conserving our environment, illuminating strategies to cultivate diverse flora amid modern challenges. Similar to cinematic experiences, nursery visits ignite optimism, motivation, and empowerment. Observing seeds flourish into vibrant plants inspires introspection and personal growth. These hardy plants, thriving against odds, mirror our resilience in adversity. Departing the nursery, visitors embrace nature's beauty and grasp the delicate balance we must uphold.

## **LEARNING AT NURSERY: DATE - 24TH APRIL | 5:30PM**

Embarking on a comprehensive and enlightening learning journey, students are delving into the fascinating domains of biogas, vermicompost, and sustainable waste management. Simultaneously, they are actively participating in nurturing nature by planting in the serene confines of a vibrant nursery. Orchestrated by the forward-thinking Ecolution Club, these educational initiatives offer a glimpse into the remarkable potential of biogas as a renewable energy source, unraveling the intricate art of converting organic waste into a valuable resource through vermicomposting. In tandem with these eco-conscious ventures, students are gaining valuable insights into the responsible management of food waste, fostering an acute understanding of environmental preservation. As a harmonious culmination of their efforts, these aspiring environmental stewards find themselves planting seeds of change within pots arranged in the nursery's fertile grounds, creating a tangible connection to the rhythms of the natural world. Through these hands-on experiences, students not only deepen their comprehension of intricate ecological processes but also cultivate a profound sense of responsibility, laying the groundwork for a greener and more sustainable future.





# WORLD WATER DAY

On World Water Day, we are reminded of the paramount importance of water, the life-sustaining elixir that flows through the very veins of our planet. This essential resource is the cornerstone of ecosystems, agriculture, industry, and human existence. Its abundance or scarcity shapes landscapes, economies, and communities. As we commemorate this day, we stand united in recognizing water's role in nurturing biodiversity, driving sustainable development, and ensuring a healthier, equitable world for all. It is a call to action, a reminder that safeguarding and wisely managing our water resources is not just a responsibility, but a shared commitment to the well-being of present and future generations.



Addressing the eager minds at Chitkara School of Design, Dr. Gurpreet Singh eloquently conveyed the profound significance of sustainability. His enlightening discourse encapsulated the essence of responsible design, underscoring the imperative of balancing creative innovation with environmental stewardship. Dr. Singh's words resonated as he highlighted the pivotal role of design in shaping a more sustainable world, inspiring students to become catalysts of change.

## ➤➤➤ IMPORTANCE OF SAVING RAINWATER

In his second address, Dr. Singh fervently advocated for water-saving measures, shining a spotlight on the pivotal technique of rainwater harvesting. He emphasized the transformative potential of capturing and utilizing rainwater, not only alleviating water scarcity but also promoting resilience against climate uncertainties. His insights illuminated practical avenues for conserving water, empowering students to embrace eco-conscious choices and contribute to a more water-secure future.





# WORLD ENVIRONMENT DAY

On the occasion of World Environment Day, NSS orchestrated a compelling radio talk to tackle plastic pollution under the #BeatPlasticPollution campaign. Bringing together experts and advocates, the event ignited discussions, spurring innovative solutions and awareness. By uniting voices, the initiative reaffirmed the collective dedication to combat plastic pollution and foster a sustainable future.



The resource persons for the radio talk were Mr. Sanjeev Bhardwaj (Project Manager), Dr. Atul Dutta (Dean Chitkara School of Planning and Architectue) and Mr. Gurpreet Singh (Sustainability Manager). With utmost clarity and fervor, the resource persons have embarked on an enlightening discourse, unraveling the intricate web of plastic recycling and waste management. Their detailed insightful explanation traversed the life cycle of plastic, from production to disposal, underlining the dire need for responsible practices.

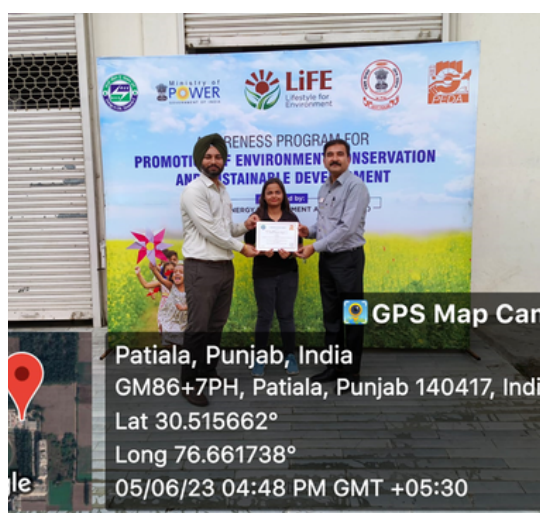
With a vivid depiction, he illustrated the potential of recycling as a pivotal solution, diverting plastic waste from landfills and oceans. Delving into waste management strategies, Sir underscored the importance of source reduction, segregation, and proper disposal techniques. His impassioned address left an indelible mark on the audience, fostering a deeper understanding of the environmental ramifications of plastic consumption and the pivotal role each individual plays in the larger ecosystem. As the session concluded, attendees departed armed with the knowledge and motivation to drive positive change, making conscientious choices that reverberate toward a cleaner and more sustainable world.



## ➤➤➤ ECOLUTION CLUB, CHITKARA UNIVERSITY, PUNJAB

Organised an awareness activity on 05-06-2023 with an aim to take steps towards a sustainable future. To mark this, a symbolic "Earth" was placed outside Square One area and the students and faculty members were motivated to pour their suggestions on the measures that can be taken to protect and safeguard the environment around us. Active participation of everyone was observed, and the Team Ecolution Club came up with 200+ innovative measures that can provide effective solutions to the existing problems.

The activity not only showcased the enthusiasm of the stakeholders of Chitkara University towards a greener future but also their commitment to steer towards a sustainable way of living. The celebration of World Environment Day was started in 1973 with a slogan "Only one Earth" and this year is marked as the 50th anniversary of the celebration. The theme for this year is Beat Plastic Pollution. This day is a reminder that people's actions on plastic pollution matters and it is time to #BeatPlasticPollution



# "Join Ecolution for Sustainable Solution"



**Contact:**

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## CLEAN PLATE OATH

- I pledge to reduce food waste.
- I understand that food is precious.
- If I have more food than I can finish, I will prevent it from being wasted by saving it in a safe manner for when I'm ready to eat again, or by sharing it with someone else.
- I will be mindful of the portion sizes of my food and pay attention to what feels satisfying, and what is too much.

## संकल्प पत्र

- मैं भोजन में प्रत्येक दाने का सम्मान करूँगा / करूँगी।
- मैं किसी भी प्रकार के भोजन सामग्री नाशते में नहीं छोड़ूँगा / छोड़ूँगी।
- मैं किसी भी भोजन सामग्री को अपने स्वादनुसार थाली में नहीं छोड़ूँगा / छोड़ूँगी।
- मैं इस अभियान का सदस्य बनकर अभियान सफल बनाऊँगा / बनाउंगी।

## WORLD FOOD SAFETY DAY

JUNE 7

SAFE FOOD FOR HEALTHY TOMORROW