



TECNIA INSTITUTE OF ADVANCED STUDIES



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Estab. as per Govt. of NCT of Delhi

ANNUAL REPORT: ACADEMIC SESSION

2023-2024

-: An Initiative of Internal Quality Assurance Cell:-

TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE "A" INSTITUTE (CYCLE-1)

Recognized Under Sec. 2(f) of UGC Act 1956.

Approved by AICTE, Ministry of Education Govt. of India, &
Affiliated to Guru Gobind Singh Indraprastha University, New Delhi





**Estab. as per Department of Environment,
Govt. of NCT, Delhi**

PREFACE

It gives us immense pleasure to present the Annual Report of the Eco Club for the year 2023-2024. This year, our initiatives and activities were thoughtfully aligned with the United Nations Sustainable Development Goals (UNSDGs), Unnat Bharat Abhiyan (UBA), Mulya Pravah, and Outcome Based Education (OBE) reflecting our commitment to fostering a healthier, greener, and more sustainable future for all.

The endeavors of the Eco Club were guided by UNSDG Goal 3: Good Health and Well-being, UNSDG Goal 6: Clean Water and Sanitation, UNSDG Goal 7: Affordable and Clean Energy, UNSDG Goal 11: Sustainable Cities and Communities, UNSDG Goal 13: Climate Action. Through workshops and campaigns, we encouraged individuals to embrace holistic practices that nurture both their health and the environment. Our guiding principles rooted in Mulya Pravah: Sustainability, belongingness, and harmony—shaped every action we undertook. By embedding these core values into our programs, we inspired a sense of collective responsibility and unity within our members and the larger community.

This report highlights the initiatives, challenges, and successes of the Eco Club over past year, carried out in five adopted villages and institute detailing the contribution of Eco Club. Furthermore, we embraced the principles of Outcome-Based Education (OBE) by nurturing the skills and attitudes essential for responsibility and sustainability. Our goal was to ensure that each initiative contributed to tangible outcomes that align with the broader mission of ecological preservation and community well-being. Focused on the Unnat Bharat Abhiyan

(UBA) our impact, enabling us to bridge the urban-rural divide and empower communities to take ownership of sustainable development.

As we look back on this year's achievements, we are filled with gratitude for the unwavering support of our members, volunteers, and partners. Together, we have made significant strides toward creating a sustainable future, and we remain committed to building on these foundations in the years to come.

INDEX

S. No	PARTICULARS	PAGE NUMBER
1	Introduction	1
1.1	Eco Club	2
1.2	Objectives- Outcome	3
1.3	Procedures and Practices	4
2	Reports on Event conducted	7
2.1	Report on biodiesel: Fueling a Sustainable Future	8
2.2	Report on A life Source for Biodiversity	11
2.3	Report Tree Plantation- A Step Ahead Towards Nature	13
2.4	Report on Ignite Awareness: "A Community-Driven Anti-Fire Initiative	17
2.5	Report on More Plant-More Lives	20
2.6	Beyond the Bag: A Journey to Plastic-Free Living	23
2.7	Report on "TIME TO BREATH CLEAN"	26
2.8	Report on Empowering the Future: Energy Conservation	29
2.9	Report on "Protecting Our Ozone Layer - A Global Responsibility"	32
2.10	Report on Khelo Holi Naturally	35
2.11	Report on "Empowering Future Generations for Sustainable Choices"	38
2A	Outreach activities report	41
2B	Awareness activities report	42
2C	Website Link	45
3	Future Plan	47
4	Conclusion	49
5	Annexure	51
Annx-1	Awards	52
Annx-2	Certificate of Establishments	53
Annx-3	Office Order	54
Annx-4	Club Core Committee	55

1. INTRODUCTION

1.1. ECO CLUB

The Eco Club of Tecnia Institute of Advanced Studies is a student-driven initiative dedicated to promoting environmental awareness and sustainable practices within the campus community. The club aims to raise awareness about pressing environmental issues such as climate change, pollution, and resource conservation through various events, activities, and campaigns.

By organizing workshops, tree plantation drives, cleanliness campaigns, and awareness sessions, the Eco Club encourages students and staff to take active participation in efforts that contribute to a greener and healthier planet. The club also collaborates with other organizations and experts in the field of environmental science to enhance its outreach and impact.

Through its initiatives, the Eco Club works towards fostering a sense of responsibility among students and creating a more sustainable and eco-friendly environment both on and off-campus. The club emphasizes the importance of individual actions in contributing to the global effort to protect our planet.

1.2. OBJECTIVES

Environment Education, Awareness & Training (EEAT) Scheme is a Central Scheme. EEAT Scheme was launched during the 6th Five Year Plan in 1983- 84 with specific objectives. Over a period of time, it undertook number of programmes with different names.

1. To promote environmental awareness among all sections of the society;
2. To spread environment education, especially in the non-formal system among different sections of the society;
3. To facilitate development of education/training materials and aids in the formal education sector;
4. To promote environment education through existing educational/scientific/ research institutions;
5. To ensure training and manpower development for environment education, awareness and training;
6. To encourage non-governmental organizations, mass media and other concerned organizations for promoting awareness about environmental issues among the people at all levels;
7. To use different media including films, audio, visual and print,, theatre, drama, advertisements, hoarding, posters, seminars, workshops, competitions, meetings etc. for spreading messages concerning environment and awareness; and
8. To mobilize people's participation for preservation and conservation of environment.

1.3 PROCEDURE AND PRACTICES

A. WATER

Institute will strive and work towards developing water conservation and water efficiency strategies:-

- ❖ Promote water efficiency practices amongst all the stakeholders.
- ❖ Monitor and minimize the Institute water consumption.
- ❖ Promote local plantation in and around the institute to reduce water usage.
- ❖ Review opportunities for reducing the use of water, and install alternative water systems on campus wherever feasible.
- ❖ Sustain implementation of innovative water-efficient technologies such as rainwater harvesting, reuse of water etc.
- ❖ Campus shall maintain efforts of students, faculty and staff to implement sustainable water system on campuses.

B. Energy

Institute is determined to implement energy sustainability measures to reduce consumption of non- renewable energy through energy efficient projects/products and energy saving activities which will have positive impact on the environment.

- ❖ Keep vigil at Institute's electricity consumption and minimize it.
- ❖ Implement the best available energy technology for all new buildings and in existing structures wherever possible.
- ❖ Promote electricity efficiency practices and reduction of the Institute's carbon footprint to all stakeholders.
- ❖ Conduct energy audits and monitoring of energy use at the campus.
- ❖ Create awareness among students, faculty members and all relevant stakeholders for efficient use of energy (electricity) on campus.

C. WASTE MANAGEMENT

The Institute's supports sustainable waste management at its campus in many ways -

- ❖ Promote reduce, reuse and recycle waste wherever possible in Institute at all discharge points on campus.

- ❖ Make use of recycled products wherever feasible.
- ❖ Identify and minimize hazardous wastes on campus.
- ❖ Apply systems for safe and environmentally responsible disposal of wastes (hazardous and general) that cannot be re-used or recycled.
- ❖ Work towards minimizing paper use through promotion of double-sided printing and use of online systems and other efficient technologies.
- ❖ Create awareness for waste reduction practices among all stakeholders.

D. RECYCLING

All faculty members and staff in all offices and departments of Institute will participate in the recycling effort by following the principles of separation of recyclable and non-recyclable materials and placing them appropriately. Students are also motivated to participate in campus recycling efforts.

Common Recyclable objects:

- ❖ Newspapers
- ❖ Papers
- ❖ Aluminum Cans
- ❖ Coffee cups
- ❖ Glass bottles
- ❖ Plastic bottles/bags/containers

E waste and Hazardous Waste

- ❖ Carbon batteries
- ❖ Cell phones
- ❖ Tube lights/bulbs
- ❖ Computers and peripherals
- ❖ Electronics items

❖ Disposal through proper agency as per norms

Recycling committees will monitor progress on recycling with assistance from the Environmental Recycling Subcommittee.

2. REPORTS ON EVENTS CONDUCTED

2.1 The Biodiesel Breakthrough Report on biodiesel: Fueling a Sustainable Future

Topic: Fueling a Sustainable Future

Date: 10th August, 2023

Objectives: To promote awareness of sustainable energy sources

On August 10, 2023, 20 students gathered at the community hall in Rohini for a comprehensive session on biodiesel sustainability. The event commenced with a warm welcome from the organizers from TIAS, who emphasised the urgent need to transition towards renewable energy sources in the face of climate change. The event began with an informative presentation that introduced participants to biodiesel.

Following the discussion, the session shifted focus to the environmental effects of greenhouse gas emissions and air pollution resulting from traditional energy sources. This dialogue highlighted the urgent need for cleaner alternatives like biodiesel, which can significantly reduce carbon emissions. One of the key components of the event was students created simple biodiesel as a sustainable fuel. They gained practical knowledge about the materials and techniques involved, fostering a deeper understanding of renewable energy production.

In the session, participants engaged in a discussion about local applications of biodiesel. They explored how biodiesel can be integrated into transportation, cooking, and heating solutions in their communities. This segment encouraged students to brainstorm ways to promote biodiesel use locally, considering partnerships with local businesses and community organizations. As the event concluded, participants gathered for a reflection session. They shared their insights and expressed their commitments advocating for sustainable energy

practices in their families and communities. Many students highlighted the importance of continuing to educate others about the benefits of biodiesel.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Sustainable cities and Communities • Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Community Engagement • Innovation Education 	<ul style="list-style-type: none"> • Sustainability 	20





2.2 A life Source for Biodiversity

Topic: Wetlands and Water: A Life Source for Biodiversity



Date: 2nd February, 2023

Objectives: To explore the biodiversity present in Yamuna Biodiversity Park.

On February 2, 2024, our institute organized a visit to Yamuna Biodiversity Park to commemorate World Wetland Day. World Wetland Day is celebrated every year on 2nd February to raise global awareness about the vital role wetlands play for people and the planet. This annual celebration highlights the importance of wetlands in maintaining biodiversity, improving water quality, and combating climate change. The event provided students with an opportunity to learn about the ecological significance of wetlands and witness the practical applications of environmental conservation. The theme for World Wetlands Day 2024, "Wetlands and Water Quality," emphasized the critical role wetlands play in purifying water and protecting our natural resources. The visit was an experiential learning activity aimed at deepening students' understanding of environmental science and conservation. The event began with an introductory session by Ms. Chestha Aggarwal, who discussed the significance of wetlands and how they contribute to ecosystem balance. The students identified different bird species, aquatic plants, and insects. Special attention was given to endemic and migratory bird species, making students aware of the wetland's role in supporting biodiversity. By participating in water testing activities, students learned how to assess water quality and connect scientific data to environmental health.

United Nation Sustainable Development	Outcome Based Education (OBE)	Mulya Pravah	Participants
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Goals (UNSDG)			
<ul style="list-style-type: none"> • Sustainable cities and Communities • Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Biodiversity Awareness • Community Involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	20

ECO CLUB
is Organizing

WETLANDS & WATER

“A LIFE SOURCE FOR BIODIVERSITY”

02nd February, 2024 | 10:00 AM

Yamuna Biodiversity Park, Delhi

Nodal Officer
Ms. Chesta Aggarwal
Eco Club



2.3 Tree Plantation- A Step Ahead Towards Nature

Topic: Plantation Drive

Date: 5th June, 2024

Objectives: To enhance environmental awareness and actively contribute to the greening of urban spaces, highlighting our commitment to sustainable living

On June 5, 2024, TIAS organized significant Tree Plantation drive at Bhalswa Dairy, Delhi, under the theme "Growing Together for a Greener Tomorrow". This initiative aimed to enhance environmental awareness and actively contribute to the greening of urban spaces, showcasing our commitment to sustainable living. The event commenced at 11: 30 AM with a brief introduction to the objectives and importance of tree planting in urban areas. Trees play a vital role in improving air quality, reducing urban - heat, and providing habitat for local wildlife. A total of 11 enthusiastic students participated in the drive, demonstrating a commendable spirit of volunteerism and teamwork. Each participant was assigned a specific role-some focused on digging hole for the saplings, while others were responsible for planting and watering them.

The choice of Bhalswa Dairy as a venue was deliberate: this area, while vibrant and populated, suffers from insufficient green spaces. By planting trees here, the participants aimed to not only beautify the surroundings enhance the local ecosystem. The saplings selected for planting included native species that are well adapted to the local environment, such as neem and peepal trees, both known for their resilience and ecological benefits.

As the team planted the trees, they engaged with local residents, explaining the significance of the initiative and encouraging them to participate in future environmental efforts. This interaction fostered a sense of community involvement and highlighted the collective responsibility towards maintaining a healthy environment. The benefits of this tree plantation activity extend far

beyond the immediate aesthetic improvements' Trees play a critical role in combating air pollution by absorbing carbon dioxide and releasing oxygen' They provide shade, which helps reduce the urban heat island thereby lowering energy consumption for cooling. Moreover, they improve soil health by erosion and enhancing biodiversity by providing habitats for various species.

The Tree Plantation drive also served as a practical learning experience for the participating students' They gained hands-on skills in tree planting and care, their understanding of the ecological principle discussed during the preparatory sessions' This experiential learning is crucial for fostering future environmental leaders who are not only knowledgeable but also actively engaged in their communities.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Goal 11: Sustainable cities and Communities • Goal 3: Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Biodiversity Awareness • Community involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	11



2.4: Report on Ignite Awareness: "A Community-Driven Anti-Fire Initiative"

Topic: Ignite Awareness: "A Community-Driven Anti-Fire Initiative"

Date: 6th November, 2023

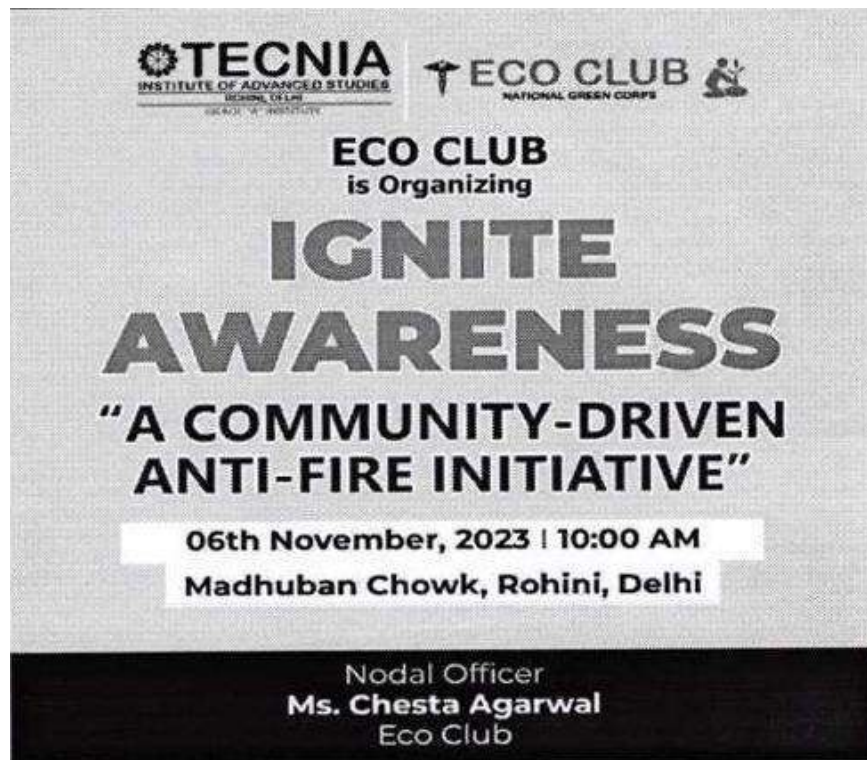
Objectives: To educate the community about fire hazards and prevention strategies, and To foster a sense of responsibility towards community safety among youth.

The Anti-Fire Campaign was organized on 6th November 2023 at Madhuban Chowk, Bhagwan Mahavir M.g, Sector 14, Rohini, New Delhi, Delhi 110085 with the aim of educating participants about fire safety, prevention, and emergency ECO club response. The event was organised by Eco club and featured a hands-on fire drill and extinguisher demonstration. With the assistance of participants were guided through the various types of fire extinguishers and their usage in different fire scenarios. The event started with an informative session on common fire hazards, emphasizing prevention in homes and workplaces. Following this, participants were given practical demonstrations on the use of fire safety equipment. Fire can have devastating effects on local ecosystems. Awareness initiatives can help mitigate risks and promote sustainable land management practices. Tailored educational efforts can reach vulnerable populations, ensuring everyone is informed and prepared. The initiative focuses on raising awareness about fire hazards, helping to prevent fires and protect lives.

Emergency Preparedness: Educating the community on fire safety and response can significantly improve preparedness and reduce panic during emergencies. The event saw active involvement from 20 students and faculty members. The key learning outcomes were to empower individuals with the knowledge to act quickly and safely in case of fire. Volunteers played a significant role in

organizing and assisting with the event. Despite the large number of participants, all attendees were able to participate in the demonstrations. In summary, initiative plays a crucial role in enhancing community safety, fostering engagement, and promoting sustainable practices, ultimately leading to a safer and more resilient community. This initiative was instrumental in instilling a sense of preparedness and responsibility towards fire safety. However, managing the logistics for hands on demonstrations for all attendees was a challenge that was overcome by dividing participants into smaller groups.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Goal 11: Sustainable cities and Communities • Goal 3: Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Biodiversity Awareness • Community involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	20



2.5 Report on More Plant-More Lives

Topic: More Plant-More Lives

Date: 8th September, 2023

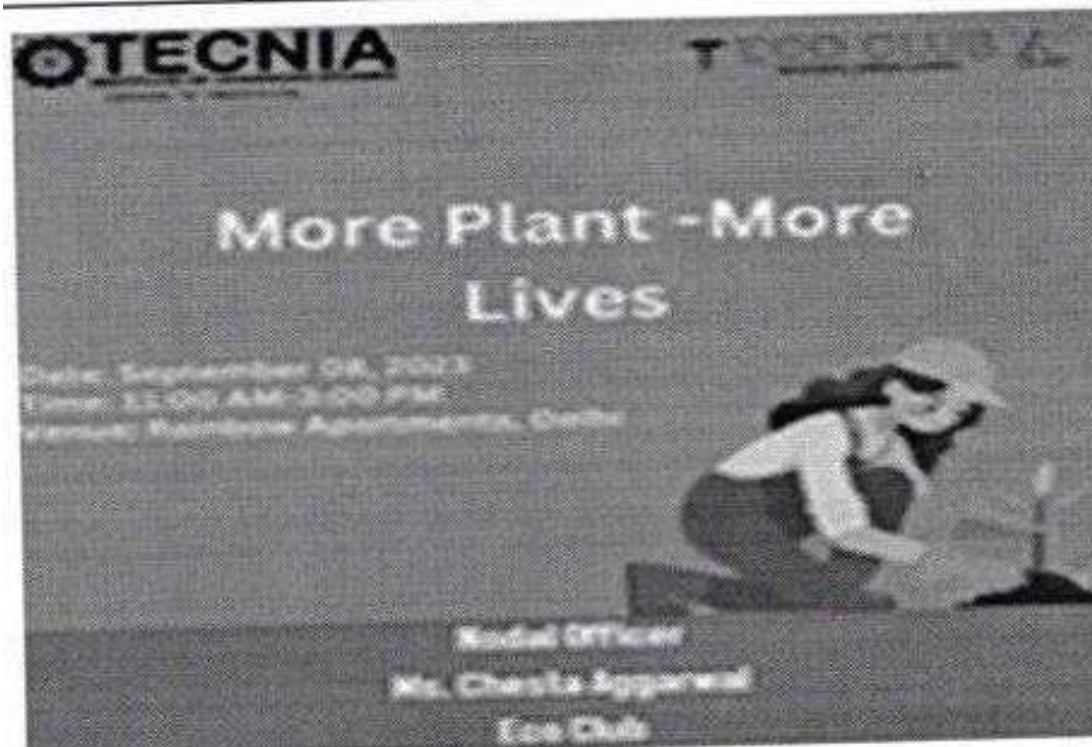
Objectives: To promoting environmental sustainability through tree planting

The activity is an initiative aimed at combating climate change, preserving biodiversity, and promoting environmental sustainability through tree planting. This global movement seeks to raise awareness about the importance of trees in mitigating the effects of deforestation, air pollution, and habitat loss. Trees play a crucial role in absorbing carbon dioxide, providing oxygen, preventing soil erosion, and supporting ecosystems. By planting more trees, communities can contribute to reducing greenhouse gas emissions and fostering healthier living conditions. The campaign targets urban areas, deforested regions, and rural communities, encouraging individuals, organizations, and governments to participate in tree-planting activities. Activity encouraged planting native species suited to their local environment, ensuring that new growth is sustainable and beneficial for local wildlife.

Each participant was assigned a specific role-some focused on digging holes for the saplings, while others were responsible for planting and watering them. The camaraderie among the group was evident, with students exchanging tips and encouraging one another throughout the process. The choice of as a venue was deliberate; this area, while vibrant and populated, suffers from insufficient green spaces. By planting trees here, the participants aimed to not only beautify the surroundings but also enhance the E5 local ecosystem. The saplings selected for planting included native species that are well adapted to the local environment, such as neem and peepal trees, both known for their resilience and ecological benefits. As the team planted the trees, they engaged with local residents, explaining the significance of the initiative and encouraging them to participate

in future environmental efforts. This interaction fostered a sense of community involvement and highlighted the collective responsibility towards maintaining a healthy environment. The benefits of this tree plantation activity extend far beyond the immediate aesthetic improvements. Trees play a critical role in combating air pollution by absorbing carbon dioxide and releasing oxygen. They provide shade, which helps reduce the urban heat island effect, thereby lowering energy consumption for cooling. Moreover, they improve soil health by preventing erosion and enhancing biodiversity by providing habitats for various species. The number of trees planted and the increased public engagement measures the success of the campaign in environmental conservation efforts. In the long term, it aims to restore green cover, enhance biodiversity, and build resilience against climate related disasters.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Goal 13: Climate Action • Goal 11: Sustainable cities and Communities 	<ul style="list-style-type: none"> • Environmental Stewardship • Community involvement 	<ul style="list-style-type: none"> • Sustainability • Belongingness 	11



2.6: Beyond the Bag: A Journey to Plastic-Free Living

Topic: A Journey to Plastic-Free Living

Date: 10th October, 2023

Objectives: To reduce the use of single use of Plastic

On a bright morning at Bhalaswa Dairy, twenty enthusiastic students gathered to embark on a transformative journey towards a plastic-free lifestyle. The outreach activity commenced with a faculty coordinator and students, emphasizing the importance of community involvement in tackling environmental issues. The activity began with a description outlining the current state of plastic pollution globally and its detrimental effects on wildlife, ecosystems, and human health. The students shared alarming statistics that underscored the urgency of addressing this crisis. Locals were encouraged to reflect on their personal experiences with plastic and share their thoughts in an interactive discussion. To make the learning experience more tangible, participants engaged in several hands-on activities. After the poster designing on plastic pollution students learned about biodegradable options, such as beeswax wraps for food storage and stainless steel containers for lunches. The discussion shifted towards practical ways to integrate these alternatives into their daily routines.

Conclusion and Reflection: As the activity concluded, students gathered for a reflection activity. They shared their key takeaways, expressing a redound commitment to reducing plastic use. Many articulated a desire to influence their families and friends, spreading awareness about the importance of living sustainably.

Benefits to Society: The "Beyond the Bag" workshop yielded several significant benefits for both participants and the wider community.

1. Increased Awareness: By educating students about the impacts of plastic pollution, the program instilled a deeper understanding of environmental issues. This awareness can lead to informed decision-making in their daily lives.

2. Community Advocacy: By empowering students to become advocates for sustainability, the program fostered a sense of responsibility and community engagement. Their proposed initiatives can spark larger movements toward reducing plastic use in their neighbourhoods.

3. Long-Term Impact: As these students share their knowledge and experiences, they can inspire peers and family members, creating a ripple effect that promotes a culture of sustainability.

4. Environmental Health: Reducing plastic waste directly contributes to healthier ecosystems. As individuals adopt plastic free lifestyles, the cumulative effect can lead to cleaner environments and improved biodiversity

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> Goal 11: Sustainable cities and Communities Goal 13: Climate Action 	<ul style="list-style-type: none"> Environmental Stewardship Community involvement Critical Thinking 	<ul style="list-style-type: none"> Sustainability Harmony 	11



ECO CLUB



organising

Beyond the Bag: A Journey to Plastic-Free Living

Date 10-10-2023 Time 10:00 AM - 1:00 PM

Venue - Bhalswa Dairy

Plastic pollution has become a global environmental issue, with millions of tons of plastic waste polluting oceans and landfills every year. The use of single-use plastics is a key contributor to this crisis, making it essential to educate communities on reducing plastic waste and adopting sustainable practices.

Nodal Officer :

Ms. Cheta Aggarwal



2.7: Report on "TIME TO BREATH CLEAN"

Topic: TIME TO BREATH CLEAN

Date: 10th October, 2023

Objectives: To Promote the importance of clean air and the alarming levels of air pollution in the city

On October 10, 2023, a group of 20 students gathered at Bhalaswa Dairy, Delhi, for the Clean Air Awareness Campaign organized by TIAS. The event began promptly at 10:00 AM with a address emphasizing the importance of clean air and the alarming levels of air pollution in the city. The activity opened with a description on highlighting the causes of air pollution industrial emissions, vehicular exhaust, and construction dust, among others. It was alarming to learn that Delhi frequently tops global pollution charts, leading to severe health issues, including respiratory diseases and cardiovascular problems. The participants shared statistics and real-life stories to urgent need for action.

Interactive Outreach activity: Following the introduction, participants engaged in interactive outreach activity designed to deepen their understanding of air quality and its impact on health. Students were divided into small groups, where they discussed the sources of air pollution in their neighbourhoods and brainstormed potential solutions. This group activity fostered critical thinking and collaboration, enabling students to share insights and personal experiences. The highlight of the event was an engaging talk by a local environmental activist. The faculty coordinator elaborated on successful community initiatives aimed at reducing pollution, such as tree planting drives and clean-up campaigns. The students inspired locals by sharing stories of individuals and communities that made significant changes, illustrating that collective action can lead to positive outcomes. The final step of the program involved students developing action plans to tackle air pollution in their localities. Benefits to

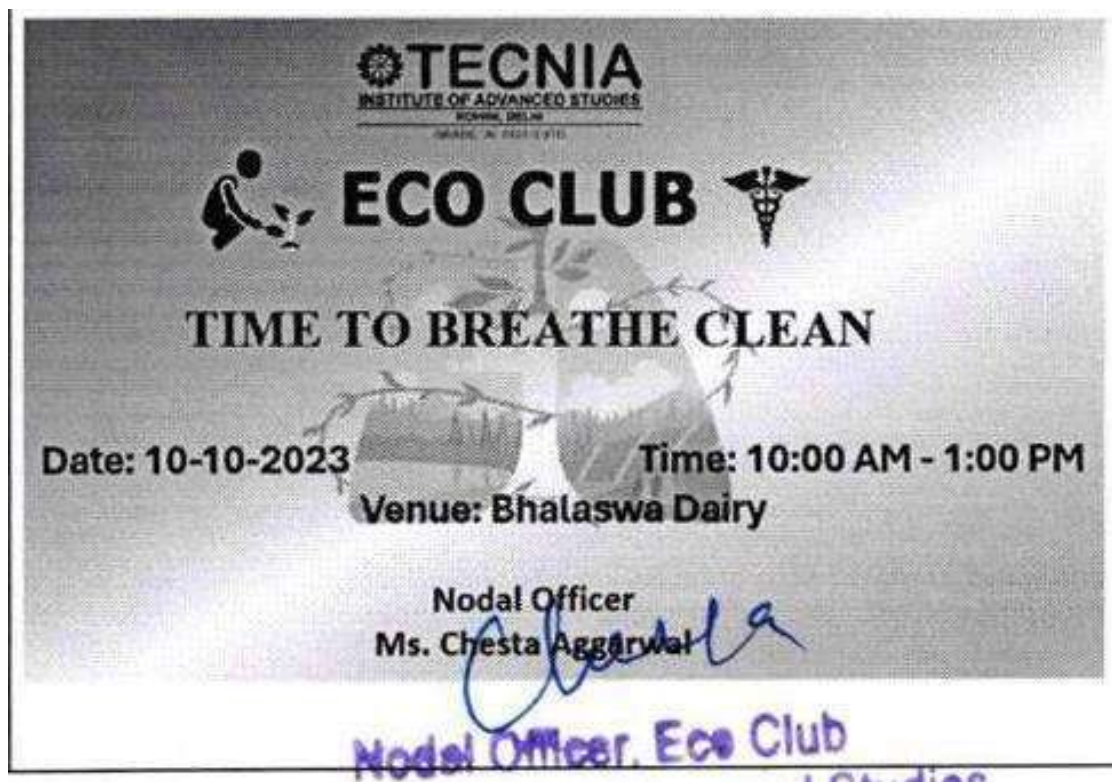
Society: The "TIME TO BREATHE CLEAN" campaign not only educated the participants but also provided several societal benefits:

1. Enhanced Awareness: The program increased awareness about air pollution and its detrimental effects on health and the environment, creating informed citizens who can advocate for cleaner air.
2. Community Engagement: By involving students in discussions and action planning, the initiative fostered a sense of community and collaboration. Engaged citizens are more likely to contribute positively to their environment.
3. Informed Advocacy: The knowledge gained empowers students to advocate for policy changes at local and national levels, pushing for stricter regulations on emissions and better urban planning.
4. Personal Responsibility: Participants left with a greater sense of responsibility towards their environment, understanding that individual actions-like reducing vehicle use, planting trees, or promoting clean energy can collectively make a significant Impact.

Long-term Impact: By planting the seeds of environmental stewardship in young minds, the initiative aims to cultivate a generation that prioritizes sustainable practices and promotes clean air for future generations.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> Goal 11: Sustainable cities and Communities 	<ul style="list-style-type: none"> Environmental Stewardship Community Involvement 	<ul style="list-style-type: none"> Belongingness Sustainability 	11

- Goal 3: Good Health and Well being



2.8: Report on Empowering the Future: Energy Conservation

Topic: Empowering the Future: Energy Conservation

Date: 14th December, 2023

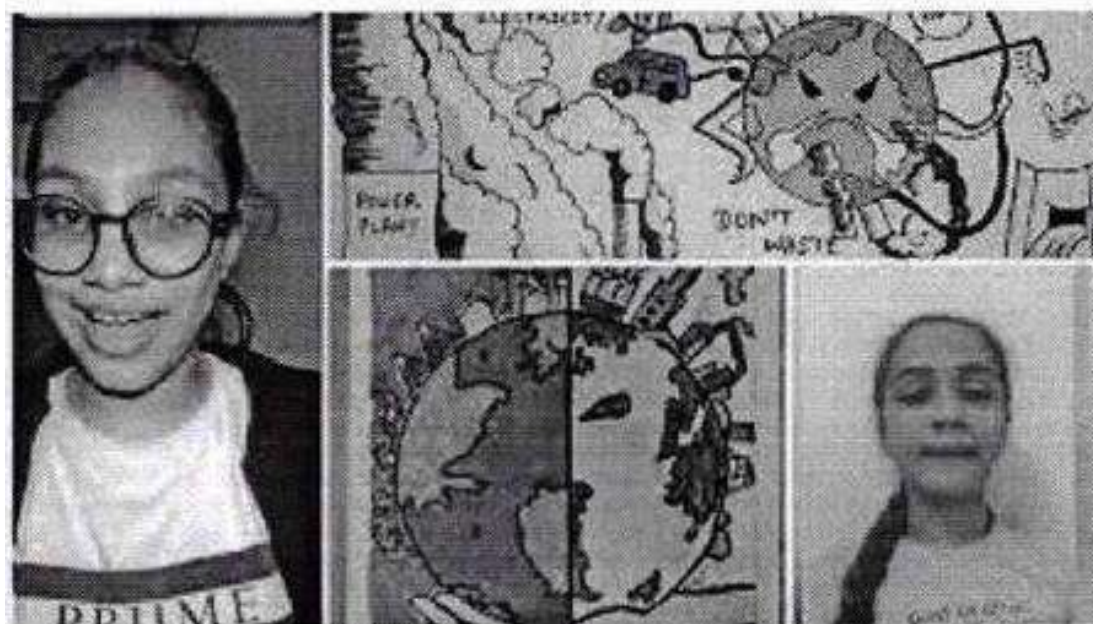
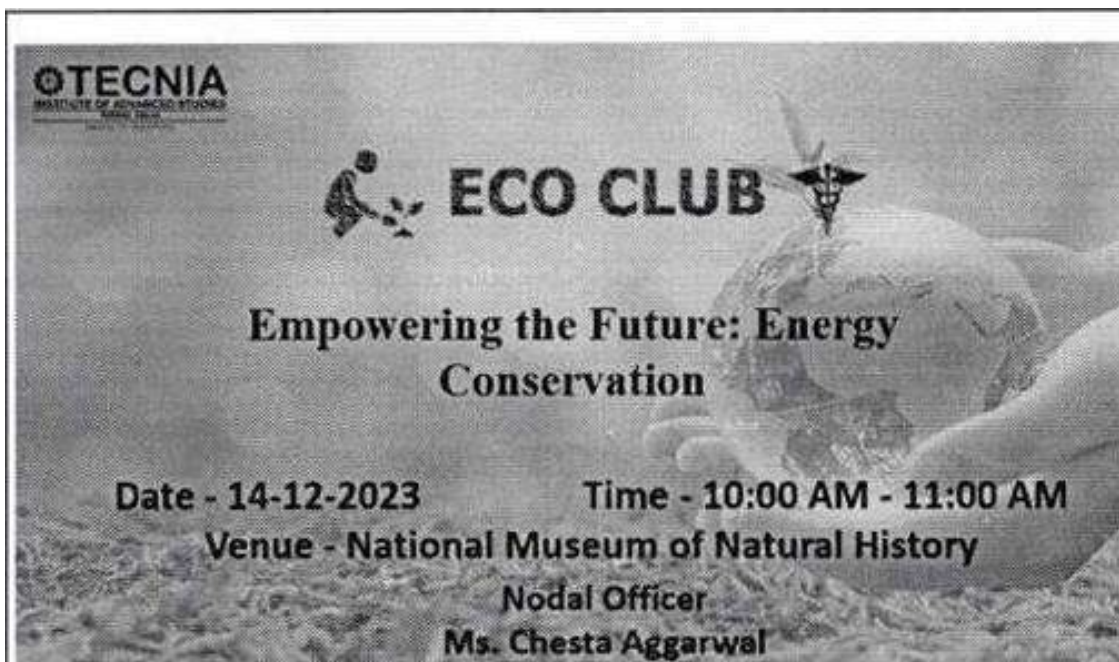
Objectives: To raise awareness about energy conservation among students and
To educate participants on the benefits of reducing energy consumption

The "Energy Conservation Day" event was held on 14th December 2023. The objective of the campaign was to highlight the importance of energy conservation and promote practices that lead to efficient energy use. The event featured presentations on energy-saving techniques, demonstrations of energy-efficient appliances, and displays of renewable energy sources. Participants were educated on practical ways to reduce energy consumption, such as using LED lighting, proper insulation, and adopting energy-efficient appliances. The campaign also included tips on behavioral changes that contribute to energy savings. The session concluded with a discussion on the environmental benefits of energy conservation and how individual actions contribute to larger energy-saving goals. Participants left with a commitment to adopting more energy-efficient practices in their daily lives.

The coordinator discussed the current global energy landscape, highlighting the impact of excessive energy use on climate change and natural resources. Participants were introduced to key concepts such as carbon footprints, energy efficiency, and renewable energy sources. They shared personal experiences regarding energy use in their homes and communities. This interactive dialogue emphasized the collective responsibility of individuals in mitigating energy waste and sparked ideas on practical energy-saving measures. The coordinator highlighted various energy-saving appliances, such as LED light bulbs, energy-efficient heaters, and smart power strips. Participants learned how these tools can significantly reduce energy consumption and save money on utility bills.

Also included tips on optimizing energy use at home, such as proper insulation and smart thermostat settings. To reinforce the message of community involvement, participants brainstormed ways to promote energy conservation within their neighbourhoods. This segment fostered a sense of agency among students, empowering them to take action within their communities. Students gathered for a reflection session. They expressed their key takeaways from the activity and shared their commitments to adopting energy-saving practices. Many students highlighted the importance of leading by example and educating others about energy conservation. Benefits to Society: The "Empowering the Future: Energy Conservation Awareness" workshop provided numerous benefits for both participants and the broader community:

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Sustainable cities and Communities • Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Biodiversity Awareness • Community Involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	20



2.9: Report on "Protecting Our Ozone Layer - A Global Responsibility"

Topic: "Protecting Our Ozone Layer - A Global Responsibility"

Date: 16th September, 2023

Objectives; To inform students about the significance of the ozone layer and the implications of its depletion. To inspire individual and collective actions that contribute to the protection of Ozone layer.

On September 16, 2023, 20 enthusiastic students gathered at Bhalswa Dairy, Delhi, to participate in an outreach activity titled "Protecting Our Ozone Layer: A Global Responsibility." This event was organized in honor of International Ozone Day, a global initiative aimed at raising awareness about the importance of the ozone layer and the threats it faces. The theme emphasized our collective duty to safeguard this vital atmospheric layer, crucial for protecting life on Earth. The event began with a thought-provoking presentation by an environmental expert, who elucidated the crucial role the ozone layer plays in shielding the planet from harmful ultraviolet (UV) radiation. Students learned about the devastating effects of ozone depletion, including increased risks of skin cancer, cataracts, and damage to crops and marine ecosystems. Engaging statistics and real-life examples illustrated how human activities-such as the use of chlorofluorocarbons (CFCs) and other ozone-depleting substances-have led to alarming changes in the atmosphere. Ideas ranged from promoting eco-friendly products to advocating for policies that limit CFC emissions. The exchange of thoughts not only educated the participants but also instilled a sense of urgency and personal responsibility in addressing climate issues. Benefits to Society: The benefits of this outreach activity extend well beyond the immediate community. By cultivating awareness and understanding of the ozone layer's significance, we are nurturing a generation of informed citizens who recognize their role in global environmental stewardship. Such activities

inspire participants to adopt sustainable practices, leading to healthier ecosystems and improved public health outcomes. Moreover, the skills and knowledge gained during this event empower students to become advocates for environmental change within their own communities. By understanding the interconnectedness of local actions and global consequences, these young individuals are better equipped to contribute influence their peers.

In conclusion, the outreach activity "Protecting Our Ozone Layer: A Global Responsibility" at Bhalswa Dairy was a resounding success, providing valuable education and fostering a spirit of community engagement among participants. By understanding the critical role of the ozone layer and taking proactive measures to protect it, the students left with a renewed sense of purpose and commitment to environmental conservation. Activities like this are essential in building a more sustainable future, encouraging individuals to work together in safeguarding our planet for generations to come.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> • Goal 11: Sustainable cities and Communities • Goal 3: Good Health and Well being 	<ul style="list-style-type: none"> • Community involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	20



ECO CLUB
is Organizing

PROTECTING OUR OZONE LAYER - A GLOBAL RESPONSIBILITY

16th September, 2023 | 10:00 AM

Bhalaswa Dairy, Delhi

Nodal Officer:
Ms. Sanya Kukkar
Eco Club

Nodal Officer, Eco Club

*Tecnia Institute of Advanced Studies
Medhuhari Chowk, Rohini, Delhi - 85*



2.10: Report on Khelo Holi Naturally

Topic: Khelo Holi Naturally

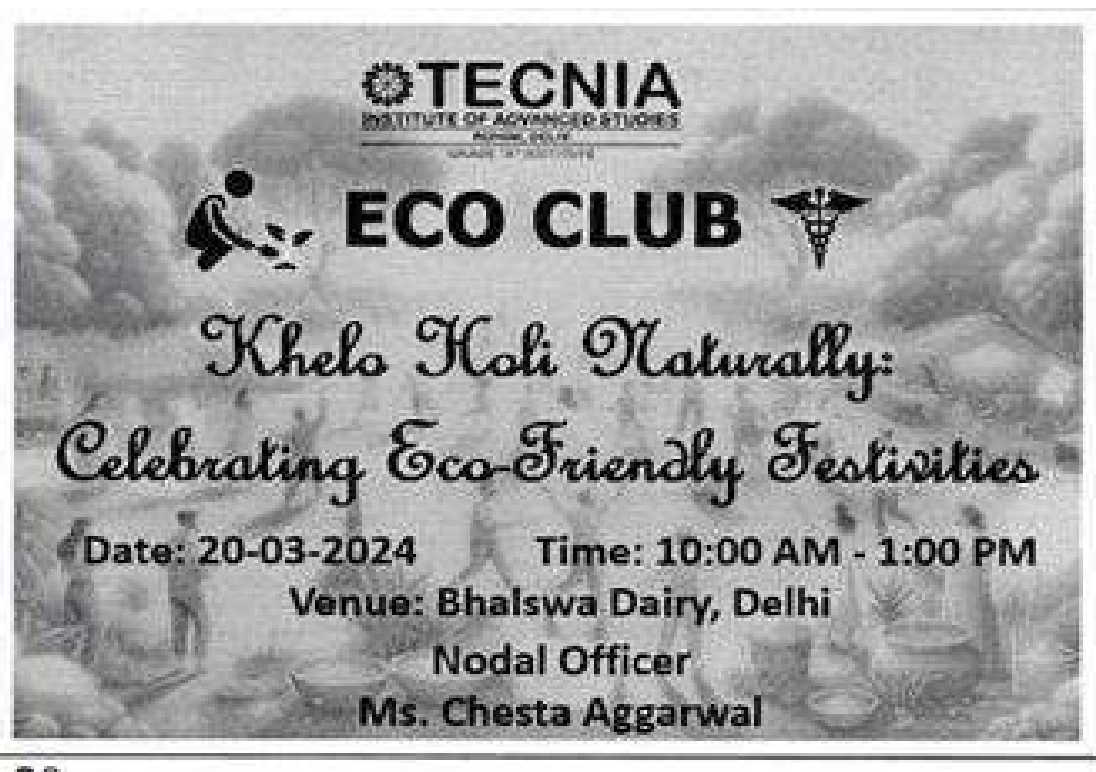
Date: 20th March, 2024

Objectives: To promote awareness about the environmental impact of traditional Holi celebrations To educate participants on creating and using natural colors To encourage healthy and safe practices during festivities.

The activity titled "Khelo Holi Naturally: Celebrating Eco-Friendly Colors" aimed to raise awareness about the environmental and health impacts of conventional Holi celebrations while promoting the use of natural colors. Through engaging discussions, hands-on activities, and creative demonstrations, participants learned how to celebrate Holi in a sustainable manner. On March 20, 2024, twenty enthusiastic students gathered at Bhalswa Dairy, Delhi, for a vibrant and educational session on eco-friendly Holi celebrations. The event began with students emphasizing the importance of celebrating festivals in ways that honour both tradition and the environment. Participants learned about the festival's roots in celebrating the arrival of spring and the triumph of good over evil. The faculty coordinator discussed how traditional celebrations often involve the use of synthetic colors, which can be harmful to both people and the environment. Following, the focus shifted to the environmental and health impacts of synthetic colors used during Holi. The students shared statistics about the harmful chemicals found in many commercial colors, including skin irritants and pollutants that can affect water sources. This discussion highlighted the need for a shift towards safer, natural alternatives. Promoting responsible disposal practices during celebrations fosters a culture of sustainability. The activity encourages participants to adopt eco-friendly practices, fostering a culture of environmental stewardship. It raises awareness about the impact of

pollution, particularly during festivities, and promotes responsible waste disposal. Khelo Holi Natural combines cultural celebrations with contemporary issues, making traditional events more relevant. Promoting Inclusivity: It provides an opportunity for people of all backgrounds to participate in a shared cultural experience. This activity session encouraged locals to think of themselves as ambassadors for environmental stewardship. As the event concluded, students and locals gathered for a reflection session. Many shared their thoughts on how the activity had changed their perspective on Holi and its celebration. Students expressed their commitment to using natural colors and advocating for eco-friendly practices among their friends and family

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> Goal 11: Sustainable cities and Communities Goal 3: Good Health and Well being 	<ul style="list-style-type: none"> Environmental Stewardship Community involvement 	<ul style="list-style-type: none"> Sustainability 	20



2.11: Report on "Empowering Future Generations for Sustainable Choices"

Topic: Empowering Future Generations for Sustainable Choices

Date: 27th September, 2023

Objectives: To educate students about the consequences of consumer choices on the environment. To inspire the adoption of sustainable practices in daily life, and to empower students to promote eco-friendly products within their communities.

On September 27 2023, at Bhalswa Dairy students gather for event "Empowering Future Generations for Sustainable Choices" as an engaging outreach initiative aimed at promoting sustainable consumer practices among students. With a focused group of 11 enthusiastic participants, this event provided a unique opportunity to delve into the vital relationship between behavior and environmental sustainability, emphasizing our theme: "Empowering Future Generations for Sustainable Choices". The day began with a thought-provoking session introducing the concept of sustainable consumerism. Coordinators discussed the environmental impacts of everyday choices, highlighting issues such as waste generation, resource depletion, and carbon emissions. The session was designed to provoke critical thinking and encourage students to reflect on their consumption habits. Questions like "How do our choices affect the environment?" sparked insightful discussions among the participants. This activity was not only fun but also served as a practical demonstration of how simple actions can contribute to reducing waste. By repurposing materials, students learned that sustainability can be creatively incorporated into daily life, making it both accessible and engaging.

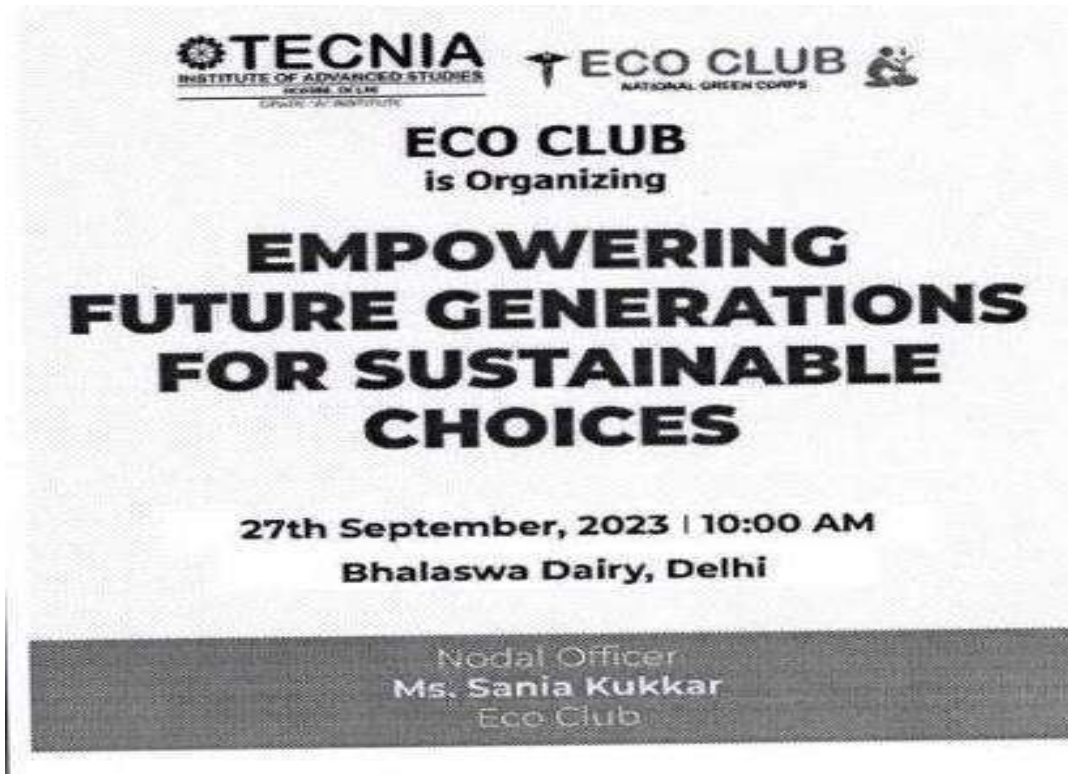
The event featured a faculty coordinator who shared compelling stories of community efforts to promote sustainability. Their insights provided real-world

context to the discussions, reinforcing the idea that individual actions can lead to significant collective impacts. The faculty coordinator emphasized the power of grassroots movements and encouraged students to become advocates for change in their own communities. Group collaboration played a crucial role in the day's activities. Students were divided into small teams to brainstorm ways they could implement sustainable practices at home. This collaborative approach not only encouraged teamwork but also allowed participants to exchange ideas and learn from one another. The discussions revealed a deep understanding of the challenges and opportunities that lie in promoting sustainability within their circles. 'This exposure was instrumental in helping students recognize the role they can play as consumers in replotting sustainable practices within their communities

In conclusion, event was a resounding success, achieving its goals of educating and empowering participants about sustainable consumerism. The event provide a vital platform for nurturing a generation it prioritizes environmental responsibility and community engagement. The positive societal impacts of such initiatives are profound, as they contribute to a culture of sustainability and responsibility that is essential for a healthier planet. Through education and Resource Person., empowerment, we can inspire future generations to make informed choices, ensuring a sustainable future for all.

United Nation Sustainable Development Goals (UNSDG)	Outcome Based Education (OBE)	Mulya Pravah	Participants
<ul style="list-style-type: none"> Sustainable cities and Communities 	<ul style="list-style-type: none"> Environmental Stewardship Community 	<ul style="list-style-type: none"> Sustainability 	20

• Good Health and Well being	Involvement		
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2A. Outreach activities report

S. No	Date	Title	Outcome-based Education(OBE)	UNSDGs	Mulya Pravah	Beneficiaries
1	10 th August, 2023	The Biodiesel Breakthrough Report on Biodiesel: Fueling a Sustainable Future	Sustainable cities and Communities Good Health and Well being	Environmental Stewardship Community Engagement Innovation Education	Sustainability	20
2	2 nd February, 2023	Wetlands and Water: A Life Source for Biodiversity	Sustainable cities and Communities Good Health and Well being	Environmental Stewardship Biodiversity Awareness Community Involvement Critical Thinking	Sustainability	20
3	5 th June, 2024	Tree Plantation- A Step Ahead Towards Nature	Sustainable cities and Communities Good Health and Well being	Environmental Stewardship Biodiversity Awareness Community Involvement Critical Thinking	Sustainability	11
4	6 th November, 2023	Ignite Awareness: "A Community-Driven Anti-Fire Initiative"	Sustainable cities and Communities Good Health and Well being	Environmental Stewardship Biodiversity Awareness Community Involvement Critical Thinking	Sustainability	20
5	8 th September, 2023	More Plant-More Lives	Climate Action Sustainable cities and Communities Good Health and Well being	Environmental Stewardship Community Involvement	Sustainability Belongingness	11
6	10 th October, 2023	Beyond the Bag: A Journey to Plastic-Free Living	Sustainable cities and Communities	Environmental Stewardship Community Involvement Critical Thinking	Sustainability Harmony	11

2B. Awareness activities report

S. No	Date	Title	Outcome-based Education (OBE)	UNSDGs	Mulya Pravah	Beneficiaries
1	10 th October, 2023	TIME TO BREATHE CLEAN	<ul style="list-style-type: none"> • Sustainable cities and Communities • Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Community Involvement 	<ul style="list-style-type: none"> • Belongingness • Sustainability 	11
2	14 th December, 2023	Empowering the Future: Energy Conservation	<ul style="list-style-type: none"> • Sustainable cities and Communities • Good Health and Well being 	<ul style="list-style-type: none"> • Environmental Stewardship • Biodiversity Awareness • Community Involvement • Critical Thinking 	<ul style="list-style-type: none"> • Sustainability 	20
3	16 th	"Protecti	<ul style="list-style-type: none"> • Sustain 	<ul style="list-style-type: none"> • Environment 	<ul style="list-style-type: none"> • Sustain 	20

	September, 2023	ng Our Ozone Layer - A Global Responsibility	able cities and Communities • Good Health and Well being	al Stewardship • Biodiversity Awareness • Community Involvement • Critical Thinking	ability	
4	20 th March, 2024	(Khelo Holi Naturall y)	• Sustainable cities and Communities • Good Health and Well being	• Environmental Stewardship • Community Involvement •	• Sustainability	20
5	27 th September, 2023	Empowering Future Generations for Sustainable	• Sustainable cities and Communities • Good	• Environmental Stewardship • Community Involvement	• Sustainability	20

		Choices	Health and Well being			
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2C. Website Link

Outreach Activity	
The Biodiesel Breakthrough Report on Biodiesel: Fueling a Sustainable Future	https://naac.tecnia.in/wp-content/uploads/2024/10/10_AUG_2023_FUELING-A-SUSTAINABLE.pdf
Wetlands and Water: A Life Source for Biodiversity	https://naac.tecnia.in/wp-content/uploads/2024/10/02_FEB_2024_WETLANDS-AND-WATER.pdf
Tree Plantation- A Step Ahead Towards Nature	https://naac.tecnia.in/wp-content/uploads/2024/10/05_JUN_2024_A-STEP-AHEAD-TOWARDS-NATURE.pdf
Ignite Awareness: "A Community-Driven Anti-Fire Initiative"	https://naac.tecnia.in/wp-content/uploads/2024/10/06_NOV_2023_DRIVEN-ANTI-FIRE-INITIATIVE.pdf
More Plant-More Lives	https://naac.tecnia.in/wp-content/uploads/2024/10/08_SEP_2023_PLANT-MORE-LIVES.pdf
Beyond the Bag: A Journey to Plastic-Free Living	https://naac.tecnia.in/wp-content/uploads/2024/10/10_OCT_2023_A-JOURNEY-TO-PLASTIC.pdf

Awareness Activity	
TIME TO BREATH CLEAN	https://naac.tecnia.in/wp-content/uploads/2024/10/10_OCT_2023_TIME-TO-BREATHE-CLEAN.pdf

Empowering the Future: Energy Conservation	https://naac.tecnia.in/wp-content/uploads/2024/10/14_DEC_2023_EMPOWERING-THE-FUTURE-ENERGY.pdf
"Protecting Our Ozone Layer - A Global Responsibility	https://naac.tecnia.in/wp-content/uploads/2024/10/16_SEP_2023_PROTECTING-OUR-OZONE.pdf
(Khelo Holi Naturally)	https://naac.tecnia.in/wp-content/uploads/2024/10/20_MAR_2024_-E-WASTE-MANAGEMENT.pdf

3. Future Plan

The future plans for an Eco Club can include a variety of initiatives aimed at raising awareness, promoting sustainability, and encouraging community involvement. The club could focus on educational campaigns, such as workshops and social media outreach, to inform people about environmental issues like climate change and pollution. It might also implement sustainability projects, such as waste reduction programs, energy conservation efforts, and water-saving practices. Community engagement could be fostered through clean-up drives, tree planting campaigns, and collaborations with local governments and NGOs to advocate for environmentally friendly policies. The club could also work on creating sustainable practices within schools by setting up organic gardens and promoting eco-friendly habits. Additionally, hosting eco-fairs, fundraising for environmental causes, and advocating for green infrastructure projects could further enhance its impact. By fostering a sense of responsibility and collaboration, the Eco Club can create lasting change both locally and globally.

4. Conclusion

In conclusion, the Eco Club of Tecnia Institute of Advanced Studies has had a successful and impactful year in 2023-2024. Through a variety of initiatives such as awareness campaigns, sustainability projects, and community engagement activities, the club has made significant strides in promoting environmental consciousness among students, faculty, and the local community. Key achievements include organizing clean-up drives, tree plantation events, and waste reduction campaigns, as well as collaborating with local organizations to advocate for greener practices. The Eco Club's efforts in fostering a culture of sustainability have been instrumental in creating a more eco-conscious campus, and the club remains committed to continuing its mission of environmental stewardship in the years to come. Moving forward, we look forward to expanding our reach, initiating more sustainable projects, and continuing to inspire the next generation of environmentally responsible individuals.

5. Annexure

Annexure 1: Awards

C.No.:TIAS/EC/2021-22/44

TECNIA INSTITUTE OF ADVANCED STUDIES
NAAC ACCREDITED GRADE "A" INSTITUTE
Approved by AICTE, Ministry of HRD, Govt. of India, Affiliated to G.G.S.I.P. University & Recognized Under Sec. 2(f) of UGC Act 1956.

TIAS ECO CLUB- NATIONAL GREEN CORPS*
(Established by Department of Environment, Govt. of NCT of Delhi)

Best Eco Club Award-2022

Department of Environment,
Forest & Wildlife
Government of NCT of Delhi

**CERTIFICATE
OF EXCELLENT**

Awarded to
Tecnia Institute of Advanced Studies

For contribution to safe guarding Environment of Delhi

On Eve of World Environment Day, 2022 for being an exceptionally performing Eco Club.

Hon'ble Minister
(Environment & Forest)

Ms.Sania, Nodal Officer, Eco Club and TIAS National Green Corps of Tecnia Institute of Advanced Studies Awarded **Certificate of Excellent** for contribution to safe guarding Environment of Delhi by the Hon'ble Minister (Environment & Forest) Department of Environment, Forest & Wildlife, Govt. of NCT of Delhi, Delhi Secretariat, declared **Best Eco Club Award-2022** on the Eve of World Environment Day (Harit Utsav) for being an exceptionally performing Eco Club on 5th June, 2022 at Indira Gandhi Stadium Complex, Near Delhi Secretariat.

*ECO CLUB- NATIONAL GREEN CORPS:- Established and Approved by Department of Environment, Forest & Wildlife, Govt. of NCT of Delhi, 6th Level, C-Wing, Delhi Secretariat, New Delhi- 110003, vide letter No. F9(3)/Ec/Env/2009-10/513, Dated 27.04.2010

India's Premier ISO 21001:2018 & 51001:2018 Certified Institute; Reled as "A++" Category Best Business School by latest AIMA- Business Standard & Business India Publications Surveys & Included in Top 100 B-Schools & IT-Schools by Dalal Street Investment Journal.

INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

ONLY ONE EARTH
WORLD ENVIRONMENT DAY

Harit Utsav

ECO-CLUB

Annexure 2: Certificate of Establishment



Ref. No. TIAS/2011-12/214

DL 05 12 2011

Certificate of Establishment

Academic Session: 2011-12

This is to certify that ECO CLUB has been established in Tecnia Institute of Advanced Studies as per the directions issued by Department of Environment, Government of NCT of Delhi vide letter No. F9 (3)/Ec/Env/2010-11/4088 Dt. 26.08.10 to sensitize the students on environmental issues from the Calendar Year 2011-12 bestowed on 05th December, 2011.


Director
TECNIA Institute of Advanced Studies
Institutional Area, Madhuban Chowk, Rohini, Delhi-110085
Affiliated to GGS Indraprastha University, Delhi
E-Mail: director.tecniaindia@gmail.com
Website: www.tecniaindia.org
Fax No: 27555128, Tel: 27555121-24

Annexure 3: Office Order

TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Ref. No. TIAS/ Dir. Off./2023-24/22 (A)

Date: 14.10.2023

OFFICE ORDER

Subject: Nodal Officer-Eco Club w.e.f. 14.10.2023

In reference to previous office order no. TIAS/ Dir. Off./2020-21/50(A) Dt. 15.03.2021 to further propagate the mandate of Nodal Officer-Eco Club in Tecnia Institute of Advanced Studies; below mentioned faculty is hereby been nominated and entrusted in responsibility as Nodal Officer of Eco Club w.e.f. 14.10.2023 and she is required to create environmental awareness among the students for environmental improvement and to inculcate the culture of eco-friendliness and environmental conservation among them as per ECO-CLUB MANUAL (FOR ECO-CLUB INCHARGES) 2012, State Council of Educational Research and Training, Varun Marg, Defence Colony, New Delhi-110024. Link of the same: https://tiaspg.tecnia.in/wp-content/uploads/2021/10/Eco-ClubManual_2012.pdf

Transfer the Charge of Nodal Officer- Eco Club w.e.f 14.10.2023 in addition to already assigned duties/charges till further orders.

From	To
Ms. Sania Kukkar, Faculty- DICT	Ms. Chesta Aggarwal, Faculty- DICT
Official Email ID correspondence with all statutory agencies	eco@tecnia.in

Further, she is required to make herself abreast with all the notifications issued by the competent authority time to time from Department of Environment, Govt. of NCT of Delhi; Ministry of Environment and Forests, Govt. of India and other statutory agency. Accordingly, take requisite action and make report of the activities with appropriate Geo-tag photographs for sharing with the competent authorities whenever asked and upload the Institute website for the advantage of all stakeholders; also prepare the Annual Report of all the activities organized under the Eco Club to submit the Utilization Certificate of the Annual Grant Scheme along with Report to the concerned department and conduct the meeting twice in a year with proper record.

The aforesaid duty assigned as per UGC; Gazette Notification; Dt. 18.07.2018; UGC Regulations on minimum qualifications for appointment of teacher and other academic staff in universities and colleges and measures for the maintenance of standards in Higher Education, 2018; pg. no. 104; Appendix-II; Table-I; Assessment Criteria and methodology for university/college teachers; S. No. 2; Heading: Grading Criteria; "Involved in at least 3 activities"


DIRECTOR
Tecnica Institute of Advanced Studies
(Affiliated to GGS Indraprastha Univ.,
Madhuban Chowk, Rohini, Delhi-5)

Copy to:
Ms. Chesta Aggarwal, Faculty- DICT, TIAS
All Deans- DMS/ DICT/DJMC
All HoDs – MBA, BBA, BA (J&MC), MCA & BCA Programme
Incharge-Student's Welfare
Academic Cell - to inform all concerned
Incharge, ITC for uploading the order on the Institute's website
IQAC

Noted and Received
Chesta Aggarwal
14/10/23
(Chesta Aggarwal)

Annexure 4: Committee Members

S.No	Name	Designation	Mobile no.	E-mail ID
1	Ms. Chesta Aggarwal	Nodal Officer	8375090840	eco@tecnia.in
2	Dr. Shalini Gupta	Faculty Coordinator (Mgt.)	9650870202	outreach@tecnia.in
3	Mr. Deepak Rathore	Faculty Coordinator (IT)	8851123099	Deepak.tias@gmail.com
4	Ms. Swati Gupta	Faculty Coordinator (Media)	8090685667	Swatitecnia00@gmail.com
5	Nukul Gupta	Campus Ambassador (Mgt.)	9315773833	nancygarg00004@gmail.com
6	Radhika	Campus Ambassador (Mgt.)	8750498049	grachit259@gmail.com
7	Tanvi Tyagi	Student Coordinator (Mgt.)	9717835047	imtanvityagi@gmail.com
8	Riya Bansal	Student Coordinator(Media)	9205048421	riyabansal899@gmail.com
9	Ritik Garg	Executive Committee Member (IT)	9625897288	Ritikgarg8910@gmail.com
10	Nikita	Executive Committee Member (Media)	7290878359	nikitakumaridelhi1234@gmail.com
11	Mehak Pal	Executive Committee Member (Mgt.)	9315773833	nancygarg00004@gmail.com



Living World of Diversity...

NODAL OFFICER/PROGRAMME OFFICER/INCHARGE

Ms. Chesta Agarwal

CLUB AMBASSADOR

Mr. Nukul Gupta

Ms. Radhika

For Details Visit :



: 011-27555121-24



: www.tiaspg.tecnia.in



: director@tecnia.in

INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

Rated as 'A' Category by JAC, Govt. of NCT of Delhi;

A++ Category - Best Business School by AIMA - Business Standard

ISO 9001:2015, ISO 14001:2015, ISO 21001:2018, ISO 51001: 2018 Certified Institute;