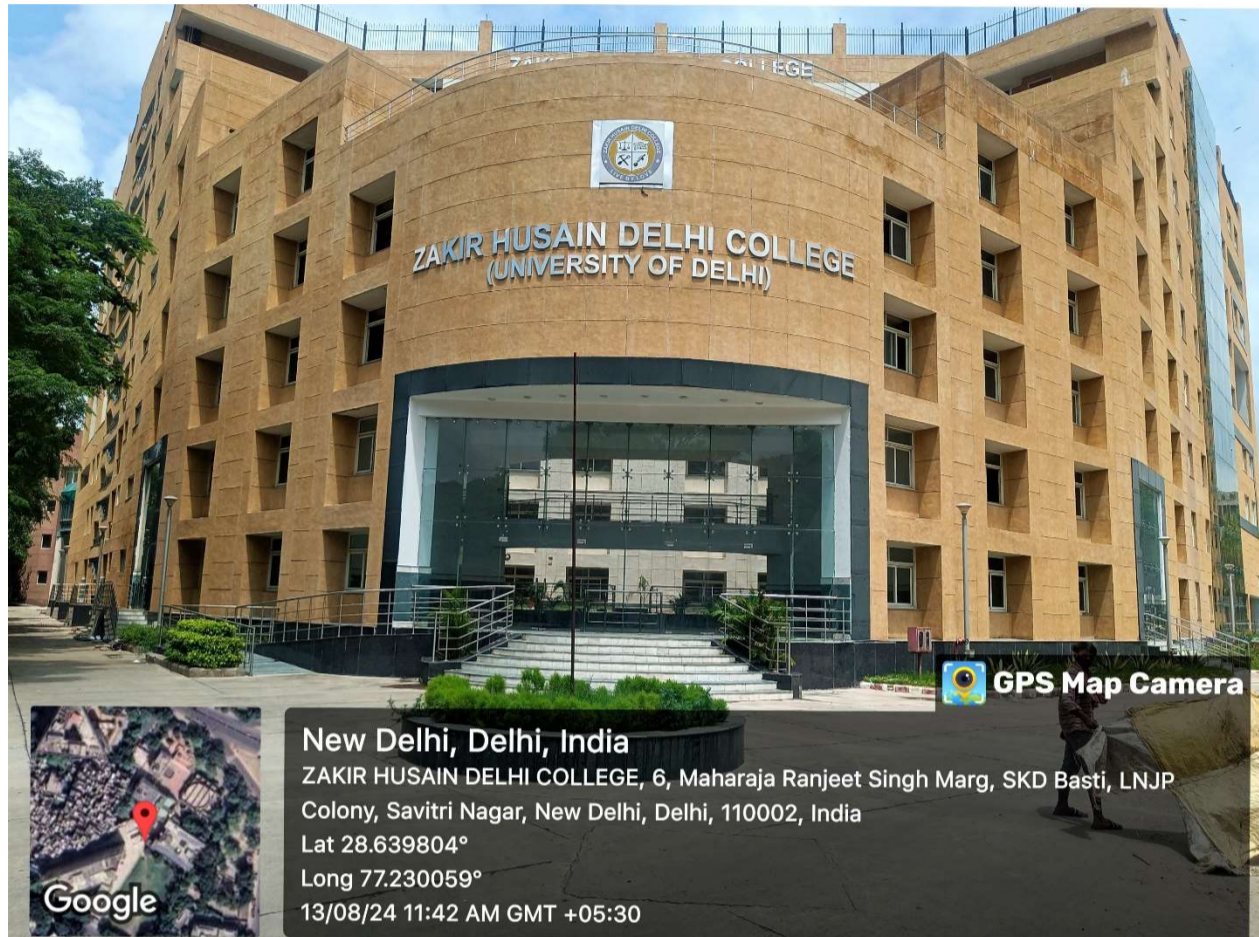




ZAKIR HUSAIN DELHI COLLEGE UNIVERSITY OF DELHI



SUPPORTING DOCUMENT: 7.1.2

Policy Document on Green Campus/Plastic Free Campus

Title-.....

7.1.2: The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green Campus initiatives**
- 5. Disabled-friendly, barrier free environment**

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Environment Policy

Zakir Husain Delhi College



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Introduction

Zakir Husain Delhi College, an esteemed institution affiliated with Delhi University, has a rich history dating back to its establishment in 1696. Throughout its existence, the college has been dedicated to promoting environmental ethics through a wide range of actions and initiatives.

To enhance the greenery of the campus, a diverse range of plants, including trees, shrubs, hanging baskets, bulbous plants, and foliage, have been strategically placed throughout the premises. The establishment of a dedicated committee ensures the maintenance and care of these green spaces.

In addition to the regular tree planting initiatives, various environmentally friendly endeavors are undertaken. The campus boasts a splendid array of flowers, further augmenting its aesthetic appeal.

The collective efforts of the teachers, gardeners, and students were recognized when the campus received the prestigious second prize at the Delhi University Annual Flower Show. This accolade celebrated the remarkable endeavors made in creating and maintaining the captivating floral landscape.

Scope of the Policy

The environmental policy of the college is focused on key areas aimed at protecting the environment, promoting sustainability, and serving our planet. It aims to reduce environmental and climate pressures associated with production and consumption. This policy also encourages student and teacher participation in extracurricular activities that foster leadership and drive positive change.

The management team holds the responsibility of ensuring that the college is well-informed about the policy and that they adhere to its guidelines. They play a crucial role in facilitating coordination and implementation of environmental priorities with the support of relevant departments.

The policy encompasses several important initiatives, including:

- 1.Landscaping
- 2.Smoking-free campus.
- 3.Solid waste management
- 4.E-waste management
- 5.Environment-based societies
- 6.Awareness initiatives
- 7.Audits
- 8.Creating a plastic free campus

Objectives

- 1.To sensitise the students and the staff to minimise the use of polluting products and use environmental-friendly products and services.
- 2.To make students and staff aware about raising voice against the hazardous practices destroying nature.
- 3.To ensure judicious use of environmental resources to meet the needs and aspirants of the present and future generation.
- 4.To educate and encourage students to keep the environment and campus clean and create awareness amongst the public as well .
- 5.Identify areas on campus that require ecological restoration or rehabilitation and develop plants to restore natural habitats
- 6.To make the campus plastic free.
- 7.To conduct environmental and energy audits from time to time.
- 8.Implement measures to Reduce our resources consumption such as water and electricity and associated carbon emission
- 9.Promote and support sustainable travel options.
- 10.Maintain a high recycling rate.
- 11.To create awareness about environmental issues by organising the events, rallies, awareness campaigns, tree plantation drives etc.
- 12.Promote water saving practices and consider alternative sources for water and energy supply such as rainwater harvesting and solar power.
- 13.Work towards a zero-waste campus by implementing comprehensive waste reduction and diversion programs. promote recycling and composting.
- 14.Promote sustainable and locally sourced food options in campus dining facilities.
- 15.Foster active participation and engagement from all stakeholders, including students, faculty, staff and local community.
- 16.To promote the use of digital initiatives and e-learning and reduce use of hard copies.
- 17.To ensure the implementation of 5R policy i.e.; REFUSE, REDUCE, REUSE, REPURPOSE, RECYCLE.

Initiatives

- **LANDSCAPING INITIATIVES**

- ZHDC organizes Tree Plantation program every year at the College Campus. Students and staff enthusiastically initiate and participate in the tree plantations drive on the campus and also outside the campus.
- Environmental promotional activities conducted in collaboration with eminent collaborators bring awareness among the students regarding advantages of tree plantation for an Eco-friendly Environment. College celebrates "The World Environmental day" on June 5th every year and "International Plantation Day" by conducting competitions among students and also talks by eminent people to bring awareness.
- Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus. The landscape serves as a visual representation of the campus community's commitment to sustainability. As campus landscapes are so visible and accessible,
- landscaping initiatives are a great way to build awareness around the environment. There are many different species of plants and beautiful flowers are grown in campus. ZHDC is mainly known for its aesthetic flower variability.

- **CLEAN AIR INITIATIVES**

- The College conducts awareness programmes for staff, students and society for protecting and maintaining the environment. Environment awareness programmes, rallies, etc. are conducted on various issues related to environment and health. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.

- **Smoking Free Campus:**

- To align with the guidelines outlined in the National Tobacco Control Programme (NTCP) 2007–2008, the college strictly prohibits smoking and the use of tobacco products. In collaboration with Delhi Police and the World Lung Foundation–South Asia, Delhi University actively promotes a tobacco-free environment. As part of this initiative, smoking and tobacco use are strictly prohibited within and around the campus premises.
- The college has established an anti-smoking committee tasked with enforcing the anti-smoking policy. This committee ensures the implementation and adherence to the guidelines set forth, thereby maintaining a smoke-free environment for the benefit of all students, faculty, staff, and visitors.
- By actively discouraging smoking and tobacco use, the college demonstrates its commitment to the well-being and health of its community members. It endeavors to provide a clean and healthy
- environment, promoting a culture that supports the reduction of tobacco-related harm and aligns with national tobacco control efforts.

- **INFRASTRUCTURAL INITIATIVES**

- Renewable Sources of Energy and Equipment:
- ZHDC is dedicated to minimise and sustainably manage its use of electricity.
- Principal's Office, Office of IQAC, Administrative Office, Library, Guest Rooms, Indoor Stadium, Ladies Common Room, Virtual Classrooms, Language Lab, Computer Labs, Science Lab, Departmental Offices, and all classrooms have LED bulbs to save and conserve energy.
- Installation of Solar panels and energy efficient equipment like power saving ACs and fridges has been done.

- Water Conservation through Rainwater Harvesting System:
- Rain water recharge is gaining popularity as a sustainable water saving system in urban as well as rural areas. The college has installed a rainwater recharge mechanism wherein the rainwater accumulated from all the catchment areas and deposited for reuse. The water collected and directed to a deep pit of bore well for later use.
- Paperless Operating Procedure:
- ZHDC is striving towards a paperless office, a work environment in which the use of paper is eliminated or greatly reduced. This is done
- by converting documents and other papers into digital form, facilitating E-communication reduces use of papers.
- In addition to going more paperless in the classroom, wherein notes, syllabus question banks, study materials, assignments are stored and shared on the E- platform, avoiding massive use of paper.
- Waste management processes
- Efficient waste management practices are crucial for sustainable development, pollution prevention, and resource conservation. They help mitigate the negative environmental and social impacts associated with improper waste disposal. Governments, communities, businesses, and individuals all play essential roles in waste management efforts.
- ZHDC strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure ZHDC's contribution in protecting the environment.
- Solid Waste Management:
- The college pays dedicated focus to see that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and handed over to MCD(Municipal Corporation of Delhi) as a part of Swachh Bharat initiative and Clean and Green Hyderabad. All Departments and classrooms are provided with dustbins for dry wastage disposal. Segregation of waste into dry and wet waste from the separately allotted dustbins is done in strategic locations, thus maintaining the Campus clean and Eco- friendly.

- With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:
- Proper installation of well managed Dustbins and encourage the students and staff to use them for the disposal of solid waste.
- Reduce use of paper and support the digitalization for the attendance and assessment records.
- Availability of study materials on online platforms such as E-book.
- Take initiatives to spread awareness amongst students about Food wastage and ways of minimizing it.
- Minimizing the use of packaged food.
- The habit of reusing and recycling non-biodegradable products.
- Organizing workshops for students on solid waste management.
- Liquid Waste Management:
- Water conservation can a long way to help alleviate these impending shortages soon. For this purpose, the college will ensure to use the available water judiciously through the following:
- Use effective management strategies to conserve water and reduce its use.
- Use of least amount of water possible in accordance with its activities.
- A continuous water conservation programme would be implemented to track use, prevent leakage, and remove excessive or unnecessary use.
- Installing rainwater harvesting systems in all campus buildings for ground water.

- replenishment and water self-sufficiency.
- Employing a caretaker to take quick action to stop any water leaking from taps, pipelines, tanks, and toilet flushes, among other things.
- The institution shall promote efficient water use techniques, such as sprinkler or drip irrigation, in its gardening activities.
- Conserve water by building more Indian-style toilets rather than western-style toilets.
- The Biochemical Oxygen Demand in the effluent waste water produced by the college canteen is thus lowered.
- In washrooms, waste water created by a reverse osmosis (RO) system is reused.
- E- Waste Management:
- The college assures that its technological use and e-waste output have no negative influence on
- the environment. The college intends to work toward the following goals:
 - More arrangements for the disposal of institutional e-waste.
 - Working with e-waste recycling firms to recycle electronic waste.
 - Awareness among students about e-waste reduction and environmentally responsible e-waste disposal techniques.
 - Encouraging e-waste management initiatives at the departmental and societal levels
 - Awareness initiatives
- The college actively promotes awareness initiatives to foster a green and sustainable campus. These initiatives aim to educate and engage students, faculty, and staff in environmental conservation practices. Various awareness campaigns, workshops, and seminars are organized to highlight the importance of sustainable living, resource conservation, and environmental protection. The college encourages active participation in activities such as tree planting drives, waste reduction programs, and energy-saving initiatives. By creating a culture of environmental consciousness, the college strives to empower individuals to make informed choices and take collective action towards creating a greener and more sustainable campus community.

- Student societies and departmental activities
- College societies have the power to bring about positive change in the environment through their dedicated efforts. These societies play a crucial role in raising awareness, organizing events, and implementing initiatives that focus on sustainability and environmental conservation. By engaging students in activities such as clean-up drives, tree planting campaigns, recycling programs, and awareness campaigns, college societies can inspire and educate their peers about the importance of environmental responsibility. ZHDC encourages all the departments and various college societies such as Parimandal, NES Aranya, NSS and NCC and other various departments to organize such activities that will bring about the necessary environmental changes at the grassroot levels. These societies provide platforms for like-minded individuals to collaborate, exchange ideas, and collectively work towards creating a greener campus.
- Conducting audits
- Green and energy audits play a vital role in creating a greener environment on college campuses. These audits assess and evaluate the energy consumption, waste management practices, and overall environmental impact of the campus. by conducting regular audits, in ZHDC campus can identify areas of improvement and implement sustainable practices to reduce energy consumption, minimize waste generation, and enhance resource efficiency.
- The audits will be helpful in providing the valuable insights that help college to make informed decisions regarding energy-saving technologies, renewable energy integration, and waste reduction strategies. Additionally, they create awareness among students, faculty, and staff about the importance of sustainability and encourage them to adopt eco-friendly practices.
- Creating a plastic free ZHDC campus
- Creating a plastic-free campus is of utmost importance in promoting environmental sustainability and reducing plastic pollution. By implementing initiatives to eliminate single-use plastics, colleges can significantly contribute to a cleaner and greener environment. A plastic-free campus encourages the use of sustainable alternatives such as reusable water bottles, cloth bags, and eco-friendly packaging materials. This not only reduces the amount of plastic waste generated but also raises awareness among students, faculty, and staff about the detrimental impact of plastic on the environment. In view of the resolution taken by the government of India to ban all the single use plastic because of the degrading effect it has been exerting on flora and fauna, the college administration of ZHDC completely bans the single use plastic in its campus.

Roles and Responsibilities

- CHAIRPERSON (PRINCIPAL):
- Provide leadership and guidance in the implementation of the environment policy.
- Chair meetings of the Parimandal Society to discuss and review the progress of the policy implementation.
- Approve the budget and resources required for the implementation of environmental initiatives.
- Ensure compliance with environmental regulations and standards.
- Represent the college in environmental forums and promote sustainable practices.

- INTERNAL QUALITY ASSURANCE CELL (IQAC):
- Providing support and guidance to the Parimandal Society and faculty members in implementing the environment policy.
- Monitoring and evaluating the progress of the environment policy implementation.
- Conducting regular assessments and audits to ensure compliance with environmental standards.
- Collaborating with external agencies, if necessary, to enhance environmental initiatives.
- Facilitating capacity building and training programs for faculty members and students.
- Preparing reports on the effectiveness of the environment policy and suggesting improvements.

- NATURE AND ENVIRONMENT SOCIETY:
- Overall coordination and management of the implementation of the environment policy.
- Developing and updating the environment policy in consultation with the stakeholders.
- Organizing regular meetings and discussions to assess progress and address any challenges.
- Collaborating with faculty members, students, and IQAC for effective implementation.
- Monitoring and evaluating the outcomes of the environment policy.
- Ensuring compliance with relevant environmental regulations and standards.

- FACULTY MEMBERS :
- Providing guidance and expertise in their respective fields to support the implementation of the environmental policy.
- Incorporating environmental topics and principles into the curriculum and teaching methods.
- Conducting research and projects related to environmental sustainability.
- Mentoring and guiding students in their environmental initiatives.
- Encouraging and promoting environmentally friendly practices among the college community.
- Participating in training and professional development programs related to environmental sustainability.

- STUDENTS:
- Actively participating in the implementation of the environment policy.
- Generating awareness among the student body about environmental issues and sustainability practices.
- Organizing and participating in environmental campaigns, workshops, and events.
- Implementing sustainable practices in the college premises (e.g., waste management, energy conservation).
- Conducting research and projects related to environmental conservation.
- Liaising with faculty members, Parimandal Society, and IQAC to discuss ideas and seek guidance.

It is essential for all stakeholders to collaborate and work together to ensure the successful implementation of the environment policy in Zakir Husain Delhi College. By fulfilling their respective roles and responsibilities, the team can create a sustainable and environmentally conscious campus community.

THRUST AREAS ON WHICH THE POLICY WILL FOCUS

- Clean Campus Initiatives
- ZHDC will actively coordinate cleanliness activities in the college campus in accordance in line with Swachh Bharat Abhiyan.
- The college complies with all environmental legislation. It works to increase awareness of environmental responsibility amongst its fellows, students and staff. It pledge to maintain all buildings and grounds in an environmentally conscious manner for the benefit of all present and future college members and visitors, keeping their health and safety foremost in mind.
- The students are given strict instructions to maintain the campus clean and it is reflected in their handbooks. Several Quotes related to the importance of a clean and green environment are displayed on the campus. A gardener and full time adequate support staff are appointed for the maintenance of litter free clean and Green Campus.
- Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and environmental societies like Nature and environmental society - PARIMANDAL and ARANYA, botanical society - NARGIS of the college.
- Events such as poster and slogan competitions, essay writing, spoken Word poetry, speeches, skits on 'Swachh Bharat' will be organised. Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create mass awareness.
- Removal and re-use of infrastructures, and maintain the focus on 3Rs: Reduce, Reuse and Recycle.

Process and Implementation

- **PROCESS:**

- *Research and Access:*
- An assessment is done of the college's current environmental practices and impacts.
- Research is carried out by society members gathering information about areas of improvement for the environment of the college such as waste management, cleanliness practices etc.
- *Formulation of goals and objectives:*
- Objectives are discussed and goals are formed according to the needs of the college keeping in mind the key points required for proper management of the policy.
- *Stakeholder Engagement:*
- Meetings are conducted with stakeholders including society members, faculty and administrators seeking input and suggestions for the policy.
- Feedback is gathered via meetings and a common consensus is built for the policy.
- *Drafting the policy:*
- Based on the inputs, research and assessments carried out, the draft for the policy is made.
- The draft includes various aspects of the Environment Policy such as Objectives, members, rules and regulations etc.
- *Proposal and Approval:*
- The final draft is proposed to the principal by the society head. The draft is kept open for feedback and is prepared to accommodate necessary revisions and additions based on future feedbacks.

- **IMPLEMENTATION:**

- *Implementation Strategy:*
- An implementation plan is developed outlining the steps and responsibilities.
- Tasks and responsibilities are assigned to members within the environment society.
- Collaborations are planned with other relevant societies and departments.
- *Awareness:*
- The college is community is informed about the policy.
- Awareness is created using various resources like social media posts, stories about sustainable practices and keeping the environment clean and good.
- *Evaluation and Monitoring:*
- Regularly data is collected and analyzed related to the effects of the policy.
- Regular feedback is collected assessing data and improvements suggested by students, faculty and other people.
- New amendments are made according to the needs and feedback.
- *Collaborations and Partnerships:*
- Collaborations are done with other relevant societies within the college and outside to enhance the impact of the environment policy.

Conclusion

- In conclusion, the adoption of an environment policy for our college is a crucial step towards fostering sustainability and promoting responsible environmental practices within our community. By establishing a clear set of guidelines and initiatives, we can actively contribute to the preservation of our planet and inspire others to do the same. Our policy aims to address key areas such as waste reduction, energy conservation, and ecological awareness.
- Through the implementation of recycling programs, reduction of single-use plastics, and the promotion of sustainable alternatives, we can significantly reduce our club's carbon footprint. Additionally, by conserving energy through efficient lighting systems, smart appliances, and regular energy audits, we can minimize our overall energy consumption.
- Education and awareness play pivotal roles in our environmental policy, as we strive to engage club members and the broader college community in discussions and activities centered on ecological issues. Workshops, guest speakers, and outdoor excursions can help raise awareness about the importance of biodiversity, climate change, and the interconnectedness of our natural systems.
- Collaboration is another key aspect of our policy. By partnering with local environmental organizations, participating in community clean-up initiatives, and advocating for sustainable practices on campus, we can extend our impact beyond the boundaries of our club and actively contribute to a more sustainable future.
- Ultimately, our environment policy sets a precedent for responsible stewardship and serves as a testament to our commitment to preserving the environment for future generations. By incorporating sustainable practices into our daily operations, inspiring others through education and awareness, and actively participating in community efforts, our college club can make a significant and lasting difference in the protection and conservation of our planet. Together, we can create a greener and more sustainable future for all.