



K.L. MEHTA DAYANAND COLLEGE FOR WOMEN, FARIDABAD

ENVIRONMENT POLICY

PREAMBLE

K.L. Mehta Dayanand College for Women has a mission to develop knowledge, skills, attitudes and values through dynamic and interactive methods of learning and grooming students into highly competent professionals and responsible citizens. It was established in 1970 with a vision to emerge as a Centre of excellence and provide knowledge and all round development of students in the fields of Arts, Commerce & Management, Science, Home Science, Computer Science and Environmental Sciences.

The institution realizes the importance of a comprehensive and sustainable approach in waste management which is essential for reducing its ecological footprint and providing a safe and healthy work environment for students, teaching and non-teaching staff and visitors.

The institution has liability to ensure that all the campus wastes are disposed of responsibly by proper waste segregation at the source and possibly, converting it into ecological valuable products. Furthermore, it is realized that suitable environment friendly measures should be adopted for reducing the impact of human activities on the environment. This would be in accordance with Environmental laws and legislations as well as the Sustainable Development Goals set by the government.

The aim of this policy is to set up goals and targets and to facilitate the implementation of suitable action plans based on the 4Rs(Reduce, Reuse, Recycle and Recover) strategy of waste management in the institution, focusing on their minimization, environmentally sound management and active promotion of cleaner environmental practices through community engagement.

The policy follows the various environmental regulations such as National Environmental Policy of 2006, Environmental Protection Act, Water Act, Air Act along with different rules framed by the Central and State administration from time to time.

POLICY STATEMENT

The Environment Policy has been framed to affirm the institutional commitment to safe and efficient waste management. It also promotes environmental issues as an integral domain of its activities demonstrating its responsibility to continual advancement in adopting green initiatives.

The institution shall adopt, implement and sustain an Environment Management System that would lead to sustainable development and incur positive effects on human health as well as the environment.

- The institution will follow the principles of best sustainable environment option as reasonably possible in the delivery of its waste management services and ecological initiatives.

- The institution will exhibit leadership in waste management practices through waste avoidance, reduction and increased resource recovery in all its various operations.
- The institution will reduce the amount of waste in the campus by reducing and reusing all materials used for daily purpose.
- The institution recognizes the importance of compliance with legal requirements laid down by the government and responsibility of managing its waste by reducing and reusing waste disposal to landfill.
- The institution will promote energy use efficiencies and water conservation through adequate programs and practices. The institution will embark on possible efforts to reduce carbon footprints from college related activities by using cleaner and eco-friendly measures.
- The institution will assess the environmental objectives and targets regularly in order to minimize resource usage and revamp environmental performance.
- The institution requires that all the students, teaching and non-teaching staff, guests or anyone else making use of the premises abide by the environmental objectives set in the policy and associated Environmental Management System to ensure abidance with all environmental legislations.

POLICY OBJECTIVES

The objectives of this policy are:

- i. To create environmental awareness among students, staff and society at large to reduce and reuse and minimize waste production.
- ii. To ensure that waste management is performed at the institution in accordance with all waste legislative requirements.
- iii. To adopt holistic approach for waste management, resource conservation and green initiatives at the institution.
- iv. To encourage judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- v. To provide clearly defined roles and responsibilities to identify and coordinate each activity related to waste management and green initiatives.

ORGANISATION AND MANAGEMENT

The responsibility to implement the Environment Policy lies in the hands of management, principal and staff.

Advisory Board

An advisory board shall be constituted with the following organization structure:

1. President
2. Principal

3. Two Faculty members from Bio-Science Department
4. Two Faculty members from Chemistry Department
5. Two Faculty members from Management/Humanities Departments
6. Two faculty members from Computer Science Department
7. One Hardware Technician

Functions of the Advisory Board

The advisory board shall assume following roles:

- Comply with this Policy Document in its true value and spirit.
- Guide and provide directions to the implementation of initiatives for environmental conservation in the field of waste, energy and water.
- Advise and coordinate the provision laid in the Waste Management Policy at the institution.
- Monitoring the management systems for all wastes and legal compliance.
- Set up an Environment Management System (EMS) for monitoring and supervising the activity components of the policy document.

➤ Responsibilities of Heads of Departments

They shall have the following responsibilities:

- Abide by this policy document in its true value and spirit.
- Ensure that all staff in their respective department is aware of the procedures/practices about waste management formulated in the policy.
- Ensure that waste is disposed responsibly in the premises through the appropriate waste disposal system such as segregation of waste and its processing in compliance with policy framed.
- Ensure that no hazardous waste is disposed off through the general disposal method.

➤ Responsibilities of Students/Staff members

- Abide by this policy document of the College in its true value and spirit.
- Dispose the waste responsibly, through the appropriate waste disposal system (segregation of waste), in accordance with College policy and procedures.
- Promote peer to peer understanding and appreciation of natural environment.
- Report any challenges related to laboratory or departmental waste or waste collection

practices to the Head of Department

POLICY FOR WASTE MANAGEMENT

➤ Solid Waste Management

The College shall adopt an Integrated Solid Waste Management Approach to minimize the impact on environment by reducing and reusing waste products.

- In the process of waste management, priority should be waste minimization at the source by dissemination of information by organizing various awareness campaigns in the institution.
- Sustainable and reuse of products wherever possible and processing the Non-biodegradable waste like plastic, tin, glass, paper and others to be handed over either to authorized waste-pickers.
- Segregation of waste in separate color coded bins-blue for dry waste (Plastic, Paper, metal, Wood, etc.) and green for wet waste to be processed further for composting.
- Reduce the consumption of paper by updating College library with E-books and E-journals instead of printed books.
- Encouraging the students and teachers for online submission of assignments and project reports.

➤ Waste Water Management

The College shall undertake its best efforts for efficient management of water and waste water by adopting following measures:

- Avoiding wastage of water in premises by maintaining leak proof fixtures.
- Reusing the waste water generated by Reverse Osmosis (RO) System in wash rooms.
- Minimizing the consumption of water by constructing more Indian style toilets which are eco-friendly than western style toilets.
- Disposal of wastewater in a sustainable manner as per applicable guidelines by Central Ground Water Authority (CGWA) and National Green Tribunal (NGT).

➤ E-waste Management

The e-waste originating at College premises shall be managed as per the policy or regulations lay down by Central and State government (E-Waste Management Rules 2016).Regular up-

gradation of electronic equipments such as computers and its peripherals to continue usage and to avoid its wastage.

- Directing all the departments for regular scrutinization of all the items in stock.
- Provision of e-waste collection from different labs.
- Inviting suitable vendors authorized by the Central Pollution Control Board for collection of e-waste from the College for recycling.

POLICY FOR GREEN ENVIRONMENT

K. L. Mehta Dayanand College has a campus of 5.5 acres with a huge lawn of 1 acre and landscaping of various open places. The institution believes in rethinking growth strategies with regard to their impact on the environmental sustainability.

➤ **Green Audit**

The institution shall carry out a comprehensive Green Audit annually to ensure that all the policies, their applicable regulations and actions are in abidance with sustainability of Environment. The purpose of the green audit is to have better waste management system and improved water usage and energy efficiency for all round management and development of College in eco-friendly manner for sustainable future.

The Green audit may consist of following broad points:

- **Water audit** – Water audit should be done regularly for monitoring the source, its consumption and recycling.
- **Waste audit** –Waste audit gives a complete analysis of waste generated in the campus and will provide a follow up for reduced waste generation and efficient waste management in the campus.
- **Energy audit**- Energy audit will provide insight of energy consumption in the campus and opportunities to reduce carbon footprints and energy conservation.
- **Plantation audit** – It involves Tree labeling (Botanical and common names), tree counting and maintaining biodiversity record.

➤ **Energy Conservation**

- The institution is dedicated to minimize energy consumption, avoid wastage and sustainable use of non-renewable sources of energy.
- Promote renewable sources of energy such as installation of solar panels on rooftops for lighting the campus.
- Environment friendly electrical appliances should be installed to reduce the wasteful inefficiencies. Fluorescent lights may be replaced with LED lights to save energy. All

The air conditioners, refrigerators and laboratory equipment should be having energy stars with power savings to reduce the consumption of energy.

- Creating awareness among the students to switch off lights and fans when not in use.

➤ **Water Conservation**

- As the institution lies in District Faridabad of Haryana where the ground water table is reducing at a rapid pace so there is dire need to recharge the ground water and the college has committed itself to this effort by adopting rain water harvesting for conservation of water.
- Judicious use of water by using micro irrigation techniques such as sprinklers for maintaining lawns and adopting sustainable gardening practices.
- Recruitment of a caretaker to regularly check and immediately repair water leakages from taps, tanks, pipes, toilet flush etc. to avoid the wastage of water.

➤ **Reduction of Carbon Footprints**

- Make possible efforts to reduce carbon footprints by organizing tree plantation drives on and off campus.
- Promote use of cleaner and eco-friendly methods by organizing various activities and competitions among students.
- Encourage the staff and students for using bicycles, public transport and/or car pool at least once a week for routine transportation.

➤ **Plastic free campus**

With more and more alarm bells ringing about the threat plastic poses to our environment and life on this planet, the institution shall ban the use of single use plastic in College premises and take the pride of Plastic free campus. Various awareness programmes may be initiated to motivate the staff, students and people in surrounding areas to phase out single use plastic from their daily routine.

➤ **Plantation and Landscaping of Campus**

The lush green campus of college has varieties of trees including Ashoka, Neem, Mango, Amla Guava etc. and more than 50 shrubs along with 1 acre of grass cover. The institution has a Botanical garden also wherein seasonal and medicinal plants are grown.

Landscapes should serve an important function to get multiple layers of functionality out of

campus open spaces. Landscapes serve as wellness drivers for supporting the physiological and psychological needs of students and staff. Integrating landscape with building design can provide a holistic environment for students to interact with nature.

➤ **Green Societies and Awareness Programs**

The institution shall encourage the Green society as well as other environment-centric societies like NSS to organize activities, competitions and training sessions and outreach programmes to create awareness about environmental problems and their conservation among the students and the public at large.

The institution shall organize various workshops/seminars/dialogues/talks/creative actions/research programmes in order to sensitize the students, staff and community about global and local environmental issues for moving towards a resilient future.

IMPLEMENTATION

K.L. Mehta Dayanand College for Women believes in **Lets go green** to get our College clean. College's pivotal operations have very less impact on the environment as the institution is very conscious of generating less waste that enables the used material to be reused ensuring that less natural resources are consumed. Environmental initiatives like use of renewable energy, Rain water harvesting, and waste management system etc. have been implemented. Environment consciousness is embodied in the heart of the college by tree plantations from NSS teams and Botany Department every year which is the predominant motive of the management to maintain the pristine purity and beauty of the college and also to provide a congenial atmosphere for the academic and non-academic pursuits.

The institutional waste management practices are divided into three parts:

- Solid Waste Management
- Liquid Waste Management
- E-Waste/Hazardous Waste Management

➤ **Solid Waste Management**

The waste generated in the campus includes wrappers, glass, paper, plastics, etc. Old newspapers, used papers, journal files, and workshop scrap etc. are given for recycling to external agencies. Glass, metals, plastic and other non-biodegradable wastes are given to external agencies where they are segregated and disposed according to the nature of the waste. Organic waste from canteen and Leaf litter is shredded by Leaf cutting machine and allowed to decompose systematically over a period of time to be used as manure for the gardens in the institute. Sanitary Napkin Incinerators have been installed in the restrooms to

facilitate disposal of sanitary napkins in an environment-friendly way. Waste materials like cardboards, plastics containers, CDs, packaging boxes etc. are used by students as decoration material for various College fests and in activities like Best out of Waste creating aesthetically useful products.

➤ **Liquid Waste Management**

Waste water from RO (Reverse Osmosis) plant is reused in washrooms and for other cleanliness purposes. The liquid wastes generated in the campus include Sewage, Laboratory and canteen effluent waste which is discharged safely to Sewage network of Municipal Corporation of Faridabad, for which Sewer Tax is paid.

➤ **E-Waste/Hazardous Waste Management:**

Our institution practices environmentally sound management of e-waste as per the guidelines mentioned in the E- waste Management Rules, 2016.