

# शहीद दुर्गामल्ल राजकीय स्नातकोत्तर महाविद्यालय डोईवाला, देहरादून Shaheed Durga Mall Government Post Graduate College

Doiwala, Dehradun - 248140 (Uttarakhand)

Affiliated to Sri Dev Suman Uttarakhand University, Badshahithol (Tehri Garhwal)

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## ENVIRONMENT AUDIT REPORT

28/03/2022

### Introduction

Environment audit is essentially an environmental management tool for measuring the effects of certain activities on the environment against set standards. Environmental auditing is a process of regular identification, documenting and monitoring of environmentally important components in a college campus. It is a useful tool for a college in determining how and where they are using the roost energy or resources, how to change them and promote financial savings through reduction of resource use. A clean and healthy environment aids effective learning and gives eco-friendly environment. To preserve natural resources, Honorable Prime Minister, Shri Narendra Modi ji has declared the mission of "Swachh Bharat Abhiyan" and the University Grant Commission (UGC) has made green campus mandatory for all higher educational institutions. Green campus can create consciousness towards ecological values and ethics.

### About the College

Shaheed Durga Mall Government Post-Graduate College, Doiwala, Dehradun is a government institution of higher education that caters to the need of the students residing in the foothills of Garhwal region. Constituted in the year 2021 and situated near the state capital of Uttarakhand, Dehradun it has a wide and varied populace in its surrounding areas. The institution emerges as an important center of learning offering accessible education to the students belonging especially to the economically weaker section of society. The college plays a major role in educating, enabling and empowering 75% of women population of the area pursuing higher studies.

### Objectives of Environment Audit

- To promote Environment awareness and inculcate values of sustainable development practices through Environment audit mechanism.
- To identify needs, strengths and weaknesses of the college.
- To prepare a list of floral diversity in and around the college.
- To reduce e-waste.
- To monitor the energy consumption pattern of the college.

### Benefits of Environment Auditing

- Development of environmental value system amongst students and staff.
- Financial saving through reduction in resource use.
- Enhance the alertness among students and staff for environmental guidelines and duties.
- Creation of plastic free campus/green campus.
- Improved sustainability.

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## Methodology

The methodology includes collection of data through questionnaire, review of records, observation of physical inspection of the campus, data analysis, measurements and recommendations. Documents such as electricity bills, gas refilling and NAAC assessment reports were also taken into account as part of the data collection. The generated data is gathered and used for further analysis. After that final report is prepared. The study covered the following areas to summarize the present status of environment management in the college campus:

## Objective

The main objective of the solid waste management system in the campus is to promote the conservation and environment management in the Institute Campus. The purpose of the current available system is-


- To introduce and make the students aware about the real concerns of environment and its sustainability.
- To protect the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.

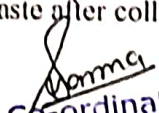
## Description of the Programme:

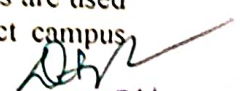
- To achieve effective and sustainable implementation of the proper waste management practices.
- Awareness with participation is the key to be involved in the Solid and Liquid Waste Management Programme like solid wastes obtained include daily garbage which includes white used paper, card sheets, rubber waste, and plastics, cardboard materials, etc. are collected and disposed of.
- Dustbins are placed on various floors at various locations such as classrooms, libraries, staffroom, admin offices, etc. This waste from the dustbins is then collected by the corporation garbage collecting van outside the college campus.
- Liquid and semi-solid wastes mainly consist of waste water from staff pantry/ Canteen etc. are disposed of through proper sewage systems having a network of underground pipes by Doiwala Municipal Corporation.

## Solid Waste Management:

The College takes all measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. Solid waste is of two types biodegradable and non-biodegradable, non-biodegradable waste taken by municipal cooperation while the grass in the campus taken by the villager to feed their livestock and dry falling leaves from the trees are used in making green manure for herbal garden. The NSS/NCC units regularly conduct campus cleaning drives and also help in segregating waste after college events.

  
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- Dust bins are provided throughout the college in each and every department for dry wastage which are emptied every evening and throwing the waste anywhere is strictly prohibited. Segregation of waste from the dustbins is done in other strategic locations, thus maintaining the Campus and keeping it clean and green.

## Liquid Waste Management:


At our college campus, we treat wastewater through Sedimentation. The Sewage water from the entire campus is received through the underground pipe lines. The treated water is used as natural organic compost for gardening. Good drainage system in college, all the vents are joint to municipal sewage line.


## E-Waste Management:


Each department has separate computer, projector and printer facilities in working condition. College office also has its own computer, Xerox machine and printer. In the college, at present has no e-waste. Minor repair done by the menial staff and laboratory assistant and major repairs by the professional technician to reuse the provided facility but in future Institute has plan to manage e-disposal through auction.

- The cartridges of printers are refilled outside the college campus.
- UPS Batteries are recharged and repaired by the suppliers.

The rapid expansion of technology and the consumption driven society results in the creation of a very large amount of e-waste. Electronic waste (e-waste) refers to the disposal of broken or not in working condition electronic components and materials. E-waste materials may be valuable and recyclable, such as random access memory and reusable laptops. Common discarded electronic products include computers, televisions, stereos, copiers, and fax machines. The e-waste material like mobile charger, hard disc, Wires and Cables Computer collected from the institute and donated to the e-waste center at Doiwala Municipal Corporation and collect the certificate from the E-waste center. The college is aware about the e-waste material and its disposal. This process of disposal of e-waste is conducted by the college through a committee every year.

  
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