

PANCHAKOT MAHAVIDYALAYA

GREEN CAMPUS POLICY

PREAMBLE:

Panchakot Mahavidyalaya, is committed to protect and conserve the environment by adopting a stringent green policy. It constantly endeavors to maintain an eco-friendly green campus and inculcate the idea of sustainable development in the minds of youth and sensitize them in the management of renewable and non-renewable resources and waste for a safe and healthy environment for the present and future generations.

The college recognizes that in pursuing its strategic objectives, in relation to research and teaching, it has a responsibility towards, and should aim to protect and nurture the environment. By exercising proper control over all its activities the college will aim to ensure sustainable use of resources and prevent wasteful or damaging practices.

Our College will aim to manage its operations in ways that are environmentally sustainable, economically feasible and socially responsible i.e. making the College a Green Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices. The College is striving to develop on a self-sustainable basis in the areas of power, water and cleanliness. Therefore, this policy represents an important component of the College's broader sustainability strategy.

This document sets out the College's aims and objectives for safeguarding the environment, and details the organization and arrangements for implementing and monitoring them.

AIMS AND OBJECTIVES:

- To promote sound environmental management policies and practices throughout the College.
- To reduce and, where practicable, prevent pollution.
- To adopt targets for improving environmental performance.
- To ensure a sound understanding of current environmental performance.

SCOPE

All the stakeholders of Panchakot Mahavidyalaya, staff, students and those who use the campus shall adhere to the green policy and code stated herein.

COMPOSITION OF INSTITUTIONAL GREEN COMMITTEE

Principal (Ex-officio Chairman)
Coordinator (Green Committee)
Members (Faculty Members)

ROLE AND RESPONSIBILITIES

- i) This Committee shall perform the role of overall planning, executing and monitoring of the ecofriendly initiatives of the institution.
- ii) Promote environmental consciousness and sustainability among stakeholders and the neighborhood community
- iii) Identification and implementation of alternative sources of energy and energy conservation measures
- iv) Implementation of effective waste management mechanisms
- v) Identification and implementation of water conservation measures
- vi) Undertake and monitor green initiatives in the campus
- vii) Review and implement the suggestions arising out of Green Audit

Water

- To make efficient and environmentally responsible use of water
- Waste Reduction and Recycling
- Rain Water Harvesting
- Increase storage and conserve water in tanks, etc.
- Maintain reservoirs

Awareness and Training

- To raise awareness among the staff and students of the College's environmental impact, activities and performance and good practice.
- To provide appropriate environmental educational programmes for staff and students.
- To encourage and facilitate feedback and suggestions on ensuring good practice.

Energy Management Policy

It is imperative that the members of the institution strive to conserve energy and use alternative sources of energy in order to protect the environment for the present and future generations. Keeping this in mind, the following alternative energy sources have to be harnessed for environmental sustainability.

- Installation of solar high mast light for the campus
- Rooftop solar panels on-grid
- More use of LED lights
- Use of sensor based lights
- Use of power efficient and star rated gadgets and instruments

Waste Management Policy

One of the key focus areas of the green policy is systematic waste management. The institution endeavours to comply with waste management legislations, reduce waste generated in the campus, reduce environmental impact through segregation, reuse, recycling and composting of waste. There shall be a systematic mechanism for solid and liquid waste segregation, characterization, minimization, collection, separation, treatment and disposal. Some policies regarding this are:

- Institution shall adopt composting methods for biodegradable wastes and the compost generated from this will be used as bio-fertilizer for nurturing the flora in the campus.
- The institution shall have a systematic mechanism for reducing, recycling and reusing non-biodegradable waste to minimize environmental pollution.
- Waste segregation and collection at every level of the organisation has to be done through colour coded and labelled bins have to be placed in the classrooms, auditoria, cafeteria, laboratories, corridors, wash rooms and parks.
- Exclusive support staff should be appointed for waste collection, segregation, treatment or disposal.
- The plastic and glass waste should be given to authorised plastic waste collection centres.
- Wet waste shall be treated through vermicomposting and resulting vermicompost to be used as bio fertilizer.
- The institution shall have a sewage treatment plant to recycle liquid waste, and the toxic liquid waste from the laboratories should be rendered non-toxic using methods as bioremediation & phytoremediation.
- Institution should manage biomedical waste of laboratory origin with utmost care and shall be disposed in a manner to contain potential infection and to protect the environment. The following norms will be implemented for the management of biomedical waste.
- Laboratories shall display biosafety protocols for safe handling and disposal of biomedical waste.

- Biomedical waste, other than sharps, should be collected in strong containers (labeled red) that prevent breakage.
- Only trained laboratory personnel are authorized to handle biomedical waste with standard precautions.
- The segregated biomedical waste should not be stored beyond the standard time limit.
- Biomedical waste should be incinerated or autoclaved or treated with disinfectants to prevent any environmental hazards.
- A structured plan of e-waste management shall be devised at the procurement stage itself. An Mou shall be signed with an authorized e-vendor for the timely collection and recycling of e-waste.

Green Campus

The institution should take initiatives to foster a culture of environment consciousness and sustainability among its stakeholders, and should maintain an environment friendly campus with adequate measure and practices.

Green Campus Certification

The institution shall have a long term commitment to continuous environmental improvement from the campus community. It shall strive to meet national benchmarks in environment protection and obtain green certification..

Restricted Entry of Automobiles

Institution shall restrict vehicular entry to a minimum in campus area to reduce pollution, and majority of areas of the campus shall be accessible by foot, bicycles or e-vehicles. Members of the institution shall be encouraged to use bicycles for commuting.

Ban on Plastic Usage

The institution shall follow 'zero single use plastic usage' policy in all the campus facilities. Efforts shall be made to curb the usage of other forms of plastic of less than 50 microns. Tangible alternatives shall be sought to single use disposable plastics from the concept of reuse to compostable products.

Landscaping with Trees and Plants

There shall be campus landscape design and maintenance plan as a part of the institutional strategic plan that contributes to pollution free campus ecosystem. Adequate attention shall be given to develop lawns and parks and there shall be no compromise on green space during infrastructural development. Documentation of flora shall be maintained. A separate space shall be allocated for herbal garden for ornamental and functional purposes.

Clean and Green campus

Institution shall take conscientious effort to make members aware about the significance of clean and green campus. There shall be a campus manager to monitor the cleanliness of the campus, and adequate manpower shall be recruited for the upkeep and cleanliness. Moreover, efforts shall be made to adopt green cleaning practices.

Quality Audit

Utilising the national benchmarks of green campuses, the institution shall have an internal mechanism for auditing green and sustainability initiatives.

Quality Audit - Green campus

Green audit shall be carried out to improve the environmental condition of the institution. An audit of implementation and effectiveness of green practices has to be done annually. The incremental

green coverage of the campus shall also be assessed. This audit shall be carried out to measure institutional practices such as waste management, energy saving practices and water management.

Quality Audit- Environment

Environment audit shall measure the effects of institutional practices and activities on the environment related to five categories: i) Air issues ii) Water issues iii) Waste iv) Biodiversity and v) Environmental Management System. A systematic audit shall be conducted once a year to improve the institutional ecosystem and reduce adverse environmental effects.

Quality Audit- Energy

The energy audit shall identify, measure and report energy utilization, energy conservation and power efficiency in the institution. It shall be used to understand patterns and areas of energy consumption for improvement of energy saving measures.

Green Practices in Academic and Administrative Processes

The institution is responsible for protecting the environment by introducing green and sustainable practices in all academic and administrative processes. The following avenues of healthy practices shall be pursued:

- The administrative sections shall gradually move towards paperless operations through an e-governance mechanism.
- Online communications to be encouraged at all levels using the official e-mail, internal servers and webpage.
- Online payments and fee transactions shall be promoted.
- Online admission process shall be adopted for all programmes.
- E-verification of certificates and documents for students and alumni shall be initiated.
- Establish a data centre for faculty, student and cloud based education management.
- Component of online based examination shall be increased gradually.
- Learning management system shall be set up to promote online and blended learning.
- The college shall reduce paper and printing costs by publishing e-handbook, e-prospectus, e-journals and e-magazines.
- E certification shall be considered for conferences, workshops, FDPs, value added courses, curricular festivals, cultural and sports activities.
- Students and staff shall be encouraged to register and use National Academic Depository.

Environment Promotional Activities Beyond Campus

The institution has a social responsibility to display sensitivity to issues like climate change and global warming. It is responsible for spreading environmental consciousness in the neighbourhood community. The conservation and protection of the environment is the cooperative effort of the institution and local community. The following environment promotional activities shall be undertaken beyond the campus:

- Awareness campaigns on protection of biodiversity, environment, water bodies
- Awareness campaigns energy and water conservation, alternative sources of energy, waste management and zero use of plastic