

THE GREEN CAMPUS, ENERGY AND ENVIRONMENT POLICY DOCUMENT



St. Xavier's College, Burdwan

A Jesuit Institution

(Affiliated to the University of Burdwan)

The Green Campus, Energy and Environment Policy

Introduction

This College Situated at the periphery of modern urban locality of Bardhaman town, St. Xavier's College, Burdwan is spread over a huge area of lush greenery. St. Xavier's College, Burdwan envisions a clean and green university campus where ecological friendly practices and education combine to encourage sustainable and eco-friendly systems in the campus and beyond the campus. The main aim of this college is not only to nurture the young minds but also to nurture the environment. The relationship between SXCB and nature is a long and enduring one, something that students and staffs of the college are aware of. The college has always had sustainable initiatives at the core of all activities. The green campus offers the organization a prospect to take the lead in redefining its green culture through promoting environmental ethics among students and staff. The Institute also promotes clean and green campus through adopting, practicing and promoting environmentally friendly practices among students and staff to generate Eco consciousness among them and in the world around them.

Scope of the Policy

The focus areas of this policy are:

- Clean Campus Initiatives
- Landscaping Initiatives
- Clean Air Initiatives
- Smoking Free Campus
- Infrastructure
- Solar Power Plant
- Installation of Energy Efficiency Equipment
- Water Conservation through Rainwater Harvesting System

Waste Management Processes

- Solid Waste Management
- Liquid Waste Management
- E-Waste Management
- Awareness Initiatives

Environment-centric Clubs and Department Activities

- Green Audit
- Energy Audit
- Plastic-Free Campus

Objectives of the Policy

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities..
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.
- To conduct environmental and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E-governance.

Green Initiative through Policy:

❖ Clean Campus Initiatives

The broad vision is as follows:

- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives.
- Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Green Society volunteers of the college.

- College is having **Green House** where plants are nurtured and preserved.
- Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
- Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, skits on 'Swachh Bharat' will be organised.
- Remove all kinds of waste material like broken furniture, unusable equipment etc.
- Commit to manage waste and maintain clean campus especially during college events.

❖ **Landscaping Initiatives**

The campus landscape, like its buildings, can be seen as the physical picture of a college's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. 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. The diverse green cover of JMC is also home to a number of animals and rare birds across at least 50 species, creating a campus rich in biodiversity. The college commits to enriching this healthy habitat and maintaining the symbiotic relation of the institution with nature by

- Organizing annual tree plantation drives
- Encouraging student societies to hold tree planting events.

❖ **Clean Air Initiatives**

Our College encourage our students and staff to use public transportation. We encourage carpooling to college, an activity that will control air pollution and strengthen social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles. The abundant natural landscape not only cleans the air on campus but also becomes an extension of the green lungs of the city of Burdwan after the university of Burdwan. The following steps have been taken into consideration:

- **Smoking Free Campus**
- **Restricted use of Vehicles in the campus.**

❖ **Infrastructural Initiatives**

➤ **Renewable Sources of Energy**

The college believes in reducing the consumption of electricity produced by non-renewable resources by switching to clean energy sources like solar energy for purposes like lighting the campus.

➤ **Energy Saving and Energy Efficient Equipment**

The college has committed to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting.

➤ **Water Conservation through Rainwater Harvesting System**

College has committed itself to this effort to replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.

➤ **Waste Management Processes**

The college 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 JMC's contribution in protecting the environment.

• **Solid Waste Management**

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:

1. Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
2. Reduce use of paper by supporting digitization of attendance and internal assessment records.

3. Reduce requirement of printed books by updating the e-books and e-journals collection of the college library.
4. Encourage the students and teachers to use emails for assignment submissions.
5. Take initiatives to spread awareness amongst students about
 - Food wastage and ways of minimizing it.
 - Minimizing the use of packaged food.
 - Organizing workshops for students on solid waste management.

➤ **Liquid Waste Management**

- Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush et
- Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms.

➤ **E-Waste Management**

Our college ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.

Awareness Initiatives

Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why our college supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.

Environment-centric Student Societies and Department Activities

St. Xavier's College encourages all the departments and specific student societies like *Green Club, NSS, and Xaverian Society for Hunam Sustainability Club* to organize events, competitions and training sessions that will bring about positive environmental changes at the grass root level.

Conduct Green Audit

The college aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses to further our goals of long-term sustainability. A green audit is a useful tool to determine how and where most energy or water or resources are being used. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of eco friendly practices on campus. Green auditing will promote financial savings through reduction of resource use. It is imperative that the college evaluate its own contributions toward a sustainable future.

Conduct Energy Audit

An Energy Audit to be conducted when required furthering reducing its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

Plastic-Free Campus

Our College has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'.



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