



Chhatrapati Shahu Ji Maharaj University Kanpur

(FORMERLY KANPUR UNIVERSITY, KANPUR)

Policy

for

Green Campus



Chhatrapati Shahu Ji Maharaj University, Kanpur Uttar Pradesh State University

Green Policy

1. Introduction

Green campus is a place where environment friendly practices and education combine to promote sustainable development. The green campus offers an institution, the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating solutions to environmental, social and economic needs of mankind.

Chhatrapati Shahu Ji Maharaj University, Kanpur is recognized for pursuing its strategic objectives, in relation to research and teaching. The University demonstrates higher sensitivity and responsibility in implementing green concepts in the campus. Spreading awareness on the green practice among students and educating stakeholders regarding establishment and maintenance of green campus is the priority. The University fairly manages waste, water resources solar and electric energy, conserve natural resources, and provide ecofriendly and solar passive buildings etc.

The University 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 sustainability strategy of the University. This document makes out the University aims and objectives for safeguarding the details of the organization and arrangements for implementing and monitoring them in accordance with national environment policy 2006.

2. Scope

All the stakeholders of Chhatrapati Shahu Ji Maharaj University, Kanpur including officers, teaching and non-teaching staff, students and those who use the campus shall adhere to the green policy.

3. Aims & Objectives

Aims of the Green Policy-

- To promote sound environmental management policies and practices throughout the campus.
- To adopt targets for improving environmental performance.
- To manage its operations in ways that are environmentally sustainable, economically feasible and socially responsible.
- To ensure a sound understanding of current environmental performance.
- To ensure sustainable use of resources and prevent wasteful or damaging practices.
- To protect and nurture the environment by exercising proper control over all its activities.
- To reduce and prevent environmental pollution.

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Objectives

Clean & Green Campus

- To maintain cleanliness in the campus.
- To maintain greenery in the campus by establishing landscaping with trees & plants & gardening.

Water Management-

- To promote effective water management drip pipe lines, recycling of drainage and rain water harvesting.
- To make efficient and environmentally responsible use of water, including identifying opportunities for water reuse.
- To inspect taps for draining and repair immediately to avoid loss of potable water.
- To resolve and manage water scarcity problem regularly.
- To protect environment towards climatic changes and conservation of resources for drinking water.

Energy-

- To promote installation of solar power equipment's/converters.
- To promote use of bee (bureau of energy efficiency) rated electronic equipment's.

Waste Reduction and Recycling-

- To spread the awareness amongst society about the waste management for ecosystem and methods for its disposal.
- To create awareness about conversion of waste into renewable energy.
- To set and achieve targets for reducing resource use.
- To increase the rate of recycling of all appropriate materials based on life-cycle principles.
- To implement sustainable resource management practices, based on 3R -Reduce, Reuse and Recycle principles.
- To manage all type of waste properly.

Green Buildings-

- To promote and advocate the implementation of solar passive technology for sustainability and green concepts.

Tobacco Free and Smoking Free Campus-

- To prohibit chewing of tobacco and smoking in the campus.


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Paperless Office & Communication-

- To advocate the benefits of paperless work in reducing the waste production.

Awareness and Training-

- To communicate internally and externally the environmental objectives and performance of the University.
- To raise awareness among the staff and students regarding environmental impact, activities and performance and good practice of the University.
- To arrange appropriate environmental educational programmes for staff and students.
- To encourage and facilitate feedback and suggestions on ensuring good practice.

4. Specific Measures for the Green Policy

Lighting-

- Most lighting on campus to be upgraded to high efficiency lighting (such as led technology, etc.) With electronic ballasts.
- Increase use of day lighting should be considered because use of daylight spaces decreases energy costs and may improve productivity.
- Lighting, wherever practical, should be controlled by campus-wide energy management system occupancy times, unoccupied period set-backs, and environmental parameters, as well as campus-related (and athletic) activities will be coordinated to ensure the best possible use of resources.
- Installation of more solar power generation plants.
- Use of 'change brightness automatically when lighting changes' feature for computer screens.
- Training of Practice of turning computer off or into stand-by mode when idle.
- Water management
- There should be rain water conservation through rain water harvesting to enhance ground water.
- Water leaks, dripping faucets and fixtures that do not shut off should be repaired.
- Installation of water saving devices in toilets and tabs.
- Installation of water efficient fixtures to reduce the consumption of potable water.
- Adoption of water efficient landscaping to reduce water consumption.
- Reduction of the demand for irrigation water through water efficient irrigation technology.
- Treatment of waste water to tertiary standards so as not to pollute water streams.
- Use of treated waste water for in-situ applications, to reduce dependence on potable water.
- Introduce double-sided printing to reduce paper waste.
- Reuse of one sided papers for internal college work.

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Energy efficient equipment's & Management

- Energy efficient products shall be purchased whenever possible.
- Recyclable and reusable products should also be purchased when feasible to reduce disposal costs.
- Continuous review of energy conservation programs.
- Tracking of electricity supply meter readings to locate problem areas as well as to determine if conservation goals are being met.
- Training must be provided to ensure that both operation and service technicians have the skills and knowledge to effectively achieve energy savings education.
- An education program providing information on utility costs, trends, and user impact on these costs will be arranged.

Waste management-

- The green policy focuses on systemic way of waste management. It should be based on 3Rs- Reduce, reuse and recycle.
- All type of waste generated in the university campus should be managed through the university itself or by collaboration with waste management agencies. There should be memorandum of understanding between the university and waste management agency.
- All stakeholders of the college shall be sensitized about green campus initiatives through wallpapers, notices, circulars, street play, mimes, etc.
- Landscaping with trees & plants
- Proper landscaping should be done in the campus.
- Plantation of more trees and plants
- Tree plantation drive should be conducted.
- Various programmes on green campus and benefits of tree plantation should be conducted to increase awareness among students for tree plantation.

Clean air-

- Campus should be tobacco free. Smoking and use of tobacco products should be prohibited.
- Students and staff should be motivated for use of electrically operated vehicle.
- More use of electrically operated vehicle or CNG bus or e rickshaw for travel inside the campus.
- There should be restricted entry of automobiles in the university campus.
- Observation of no Vehicle Day in the university campus at least once in a month.

Minimize use of paper-

- Maximize use of paperless technology i.e. sharing of data/lecture notes on e-mail, social media, learning management system, etc.
- Increase awareness about taking notes electronically.


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Plastic Free Campus-

- Ban on single use plastic as per the govt. Norms.
- To facilitate environment friendly substitutes like stainless steel, washable & reusable tumbler, steel or paper plates, glasses etc. to systemically ban the use of plastics on the campus.

Green Environmental & Energy Audit-

Regular conduction of green/ energy environment / audit to assess our strengths & weakness to work further our goals of long-term sustainability.

5. Review and Implementation of Green Policy-

- A committee will be constituted by the Vice chancellor of the university to implement & review the policy time to time.
- Green policy will be displayed on the college website and communicated to all stakeholders.

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DEPUTY CHANCELLOR
UNIVERSITY

Initiatives taken by the University to implement the Green Policy-

The university is committed to managing its campus in accordance with its green policy. The university has established the infrastructure and carried out many activities:

- 1- Landscaping with trees & plants and gardening.
- 2- Waste management- solid waste/ liquid waste/ biomedical waste/ hazardous chemicals and other waste management.
- 3- Water management through rain water harvesting, installation of water saving devices etc.
- 4- Maintenance of water bodies & distribution system in the campus.
- 5- Use of electrical/ battery operated vehicle inside the campus.
- 6- Plastic free campus.
- 7- Installation of solar panels.
- 8- Use of energy efficient LED Bulbs, Fans & other equipment's etc.
- 9- Biogas plant.
- 10- Restricted entry of vehicles.
- 11- Paperless office & communication.
- 12- Sensor based energy conservation.
- 13- Use of street light controller in the campus.
- 14- Tree plantation drive.
- 15- Cleanliness drive.
- 16- Tobacco free campus.
- 17- Digital library facility.
- 18- Awareness initiatives- various activities have been conducted under Swachh Bharat Abhiyan for awareness for clean & green campus by NSS, NCC.
- 19- Volunteers and students of the university.
- 20- Installation of sanitary napkin incinerator machine at Girls hostel, different departments/ institutes of the university.
- 21- Workshops have been conducted on the 3Rs-: Reduce., Reuse & Recycling of waste.
- 22- Observation of no vehicle day once in a month.
- 23- Observance of days to protect & nurture environment.
- 24- Display of posters on clean/ Green Campus, waste management, save water etc.
- 25- Green Environmental & Energy Audit.



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