



CARMEL VIDYA BHAVAN TRUST'S  
**CHRIST COLLEGE - PUNE**

(Affiliated to the Savitribai Phule Pune University)

ID-No. PU/PN/ASC/269/2007, College Code-829

26/4A, Sainikwadi, Vadgaon Sheri, Pune 411 014.

Accredited by NAAC with 'B+' Grade

CRITERION – VII	
KEY INDICATOR	<p><b>7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</b></p> <ol style="list-style-type: none"><li><b>1. Green audit / Environment audit</b></li><li><b>2. Energy audit</b></li><li><b>3. Clean and green campus initiatives</b></li><li><b>4. Beyond the campus environmental promotion activities</b></li></ol>
METRIC NO.	<b>7.1.3</b>

***POLICY DOCUMENT ON ENVIRONMENT AND  
ENERGY USAGE***



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# INTERNAL QUALITY ASSURANCE CELL (IQAC)



## POLICY DOCUMENT



**Academic Year  
2023-24**

## Table of Contents

	Title
1.	About Us
2.	Quality Policy
3.	SOP for Administration
4.	Admission Policy
5.	Examination Policy
6.	SOP for IQAC
7.	Library Policy and Procedure
8.	E- Governance Policy
9.	Maintenance Policy and Procedure
10.	Code of Conduct for Students
11.	Code of Conduct for Teachers
12.	Research Policy
13.	Green Policy
14.	Scholarship Policy
15.	Performance Appraisal Policy
16.	Differently- abled Policy
17.	Anti-Ragging Policy
18.	Welfare Policy
19.	Financial Mobilization Policy
20.	Grievance Redressal Policy





# CARMEL VIDYA BHAVAN TRUST'S CHRIST COLLEGE PUNE

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## GREEN CAMPUS POLICY



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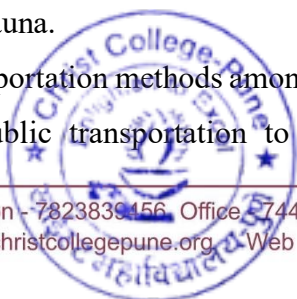
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## GREEN CAMPUS POLICY

Christ College Pune, nestled in Vadgaonsheri, North-East Pune, proudly embraces its role as a green campus situated opposite the vibrant Weikfield IT Park. This location is surrounded by flourishing suburbs like Kalyani Nagar, Viman Nagar, and Kharadi, all known for their thriving IT Parks and eco-conscious residential communities. The college's strategic position near the national highway not only enhances accessibility but also aligns with our commitment to sustainability, as it facilitates eco-friendly commuting options for our green campus. Within a relatively short time frame, Christ College Pune has made significant strides in becoming a beacon of environmental responsibility and pride in the region.

### Objectives:

1. To sensitize the students and the staff to minimize the use of polluting products and use environment-friendly products and services.
2. Safeguard and conserve the campus's ecological systems and resources.
3. Ensure the efficient utilization of environmental resources to meet the current and future needs and desires of the community.
4. Incorporate environmental considerations into policies, plans, and programs aimed at social development.
5. Make the campus completely free from single-use plastics.
6. Regularly conduct audits to evaluate the environmental and energy efficiency of campus operations.
7. Promote biodiversity conservation within the campus by preserving natural habitats and supporting local flora and fauna.
8. Encourage sustainable transportation methods among students and staff, such as carpooling, biking, and the use of public transportation to reduce the environmental impact of



commuting.

9. Steps are taken to harness solar energy to the maximum extent by installing solar energy panels as an alternative energy source in open areas on campus.
10. Minimize the use of paper by utilizing electronic platforms for academic and administrative purposes.
11. Implement waste reduction practices, enhance recycling programs, and minimize the generation of solid and liquid waste to promote a cleaner and greener campus.
12. Foster environmental education and awareness initiatives among the campus community, including students, faculty, and staff, to inspire a collective commitment to sustainability and eco-conscious behavior.

### **Main focus areas for Green Campus Policy are:**

1. Landscaping Initiatives with trees and plants
2. Clean campus Initiatives
3. Clean Air Initiatives
4. Infrastructure
  - a) Grid connected PV Solar System for the campus
  - b) Installation of Energy efficient equipment
  - c) Water Conservation through Rain Water Harvesting System
5. Waste Management Processes
  - a) Liquid waste management
  - b) Solid waste management
  - c) E-waste management
  - d) Biomedical & chemical waste management
6. Environment Centric Awareness Activities
7. Green Audit & Environment Audit
8. Energy Audit

### **1. Landscaping Initiatives with trees and plants**

According to Christ College Pune's Clean and Green Policy, the institution is committed to planting a wide variety of ornamental, medicinal, and indigenous tree species both within and





outside its campus. To ensure the upkeep of these green spaces and maintain a clean environment, the college has employed dedicated gardeners and support staff. They work diligently to keep the campus litter-free and in pristine condition.

The college's green initiatives extend to various areas, including the college lawn, vegetable garden, medicinal plant garden, birdhouse, fish tank, animal rearing facilities, and a Vermicompost Unit. All of these elements are well-maintained to contribute to a healthy and environmentally conscious campus.

In addition, tree-plantation drives are organized regularly by the college's NSS (National Service Scheme) Unit. As part of their commitment to nature, a Nature's Club has also been established through NSS initiatives. This demonstrates the college's dedication to environmental sustainability and the promotion of green practices.

## **2. Clean campus Initiatives**

In accordance with the Swachh Bharat Abhiyan, Christ College is fully committed to actively coordinating cleanliness initiatives within the college premises and in the surrounding areas. To ensure a litter-free, clean, and environmentally friendly campus, the college has employed a dedicated gardener and ample support staff. These initiatives encompass:

- Creating widespread awareness about cleanliness and hygiene among both students and staff through the regular organization of cleanliness drives.
- Integrating activities related to the Swachh Bharat Abhiyan into the community service projects conducted by the National Service Scheme (NSS).
- Encouraging teaching faculty and staff members to enthusiastically participate in cleanliness drives.
- Ensuring effective waste management and maintaining a clean campus, particularly during college events.
- Hosting various events dedicated to environmental awareness and conducting tree plantation programs to promote a greener campus and foster eco-friendly practices.

## **3. Clean Air Initiatives**

The college actively promotes the use of public transportation among both students and staff. Additionally, carpooling is encouraged as it helps reduce air pollution and fosters social



interaction. Smoking and the burning of garbage are strictly prohibited on the campus. The natural landscape surrounding the college plays a vital role in purifying the air within the campus.

#### **4. Infrastructure**

##### ***a) Grid-Connected PV Solar System for the Campus:***

The college is committed to reducing electricity consumption by harnessing energy from a grid-connected PV solar system, complete with net metering. Solar panels have been strategically installed on the rooftops of the college buildings to achieve this goal. Solar Panels of 20.16 kVA are installed on the college building.

##### ***b) Installation of Energy-Efficient Equipment:***

The college is dedicated to installing environmentally friendly electrical appliances that not only save energy but also minimize energy wastage. In this effort, traditional tube lights and lamps in classrooms and corridors have been largely replaced with energy-efficient LED lighting to reduce overall energy consumption.

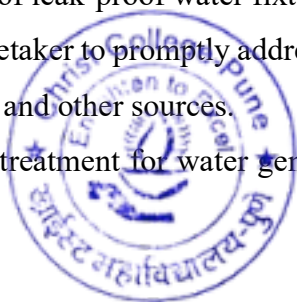
##### ***c) Water Conservation through Rainwater Harvesting System:***

The college has made a commitment to recharge and replenish the groundwater table through the implementation of rainwater harvesting systems. This practice plays a crucial role in recharging the groundwater, ensuring its sustainability for the future.

#### **4. Waste Management Processes**

##### ***a) Liquid Waste Management:***

- Roof top type rain water harvesting system which collects rain water from the roof of the building and divert it to a storage tank with a capacity of 502830 liters. The dimension of the tank is 13.84m (length) x 11.72m (width) x 3.10m (height).
- Ensuring the maintenance of leak-proof water fixtures.
- Employing a dedicated caretaker to promptly address any water leakages from taps, pipes, tanks, toilet flush systems, and other sources.
- Implementing wastewater treatment for water generated in washrooms to manage liquid





waste efficiently.

***b) Solid Waste Management:***

The college is committed to adopting practices that reduce the generation and effectively manage solid waste through the following approaches:

- Systematically promoting the 3Rs (Reduce, Reuse, and Recycle) for a more eco-friendly environment.
- Collecting paper waste generated on campus and sending it for recycling.
- Initiating awareness campaigns among students about:
- Reducing food wastage and techniques to minimize it.
- Reducing the use of packaged food items.
- Encouraging the use of degradable waste for composting purposes.

***c) E-Waste Management:***

The college is committed to ensuring that its use of technology and the generation of electronic waste (e-waste) do not harm the environment. To achieve this, the college plans to:

- Raise awareness among students about reducing e-waste and implementing eco-friendly disposal practices.
- Collaborate with external agencies for the recycling of e-waste to ensure responsible and environmentally friendly disposal of electronic equipment.

***d) Biomedical & chemical waste management***

To manage biomedical and chemical waste responsibly, the college has implemented the following measures:

- The girls' washrooms are equipped with vending machines for the proper disposal of sanitary napkins.
- Chemical waste from the chemistry lab is safely disposed of by diluting concentrated chemicals, ensuring safe and environmentally friendly practices.



## **6. Environment Centric Awareness Activities**

Promoting awareness and education within the campus community is a top priority to ensure that everyone understands and actively contributes to the goals outlined in the policy. Therefore, the college is dedicated to endorsing and fostering initiatives such as awareness campaigns, seminars, workshops, conferences, and various interactive sessions. These efforts are aimed at facilitating the successful execution of the Green Campus, Energy, and Environment policies. The college actively promotes and supports the involvement of all its departments and specific student clubs, such as the Nature's club and NSS, in organizing events, competitions, and training sessions. These activities are designed to instigate meaningful environmental improvements at the grassroots level.

### ***Say No to Plastic***

The college has consistently fulfilled its responsibilities in solid waste management since its establishment. In alignment with the Government of India's resolution to ban all single-use plastics, citing their hazardous impact and pollution, the college administration has taken a firm stance by prohibiting the use of single-use plastics within its premises. This commitment aims to transform the campus into a 'Plastic-Free Campus.'

## **7. Green Audit & Environment Audit**

The college is committed to conducting a Green Audit of our campus as a strategic step towards assessing our strengths and weaknesses in pursuit of long-term sustainability objectives. A Green Audit serves as a valuable tool to identify areas where energy, water, and resources are predominantly utilized. This assessment empowers the college to contemplate and implement changes that lead to resource conservation and cost savings.

Through a Green Audit, the college can precisely determine the nature and volume of waste generated, facilitating the adoption of recycling projects and waste minimization plans. Furthermore, it fosters a culture of health consciousness and reinforces environmental values and ethics within the college community. This process also enhances our understanding of the positive impact of eco-friendly practices on the campus environment.

