



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade

Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

DTE INSTITUTE CODE : EN-6288

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FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

NAAC SSR CYCLE- 2



Criterion 7	Institutional Values and Best Practices
Key Indicator 7.1.2	Institutional Values and Social Responsibilities
<ol style="list-style-type: none">1. Alternate sources of energy and energy conservation measures2. Management of the various types of degradable and non-degradable waste3. Water conservation4. Green campus initiatives5. Disabled-friendly, barrier free environment	



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Policy document on the green campus /plastic free campus



Sr.No.	Particulars
1.	Policy document on the green campus /plastic free campus

The green campus concept offers an institution an opportunity to take the lead in redefining its environmental culture and protect the ecosystem. The Green Campus and Environment Policy will develop exciting new co-curricular and extracurricular practices that encourage students and staff to take the lead in creating positive change. Bharati Vidyapeeth's College of Engineering, Kolhapur is conscious about environment conservation with its green campus initiatives and maintains pollution free and clean campus.

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
 - d) Electric vehicle charging station
5. Waste Management Processes
 - a) Liquid waste management
 - b) Solid waste management
 - c) E-waste management
6. Environment Centric Awareness Activities
7. Green Audit
8. Energy Audit

Objectives of the Policy:

- To protect and conserve ecological systems and resources within the campus.
- To ensure efficient use of environmental sources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programs for social development.
- To make the campus plastic free.
- To conduct Environmental and Energy audit.

1. Landscaping Initiatives with trees and plants

Sustainable infra structure is a vital part of the college campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus and landscape also helps to recharge ground water, clean and cool air in campus. There are number of trees, shrubs, medicinal plants on campus along with grass cover. Green cover of college is home for number of insects and bird species.

2. Clean Campus Initiatives

In accordance to Swachh Bharat Abhiyan, College has committed to actively coordinate cleanliness activities in the college and beyond the campus. A gardener and full time adequate supporting staff are appointed for the maintenance of litter free clean and Green Campus. These initiatives include:

- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives.
- Activities under 'Swachh Bharat Abhiyan' is a key component of all the community works being done by NSS
- Teaching faculties and staff members are encouraged to participate in the cleanliness drives.
- Commit to manage waste and maintain clean campus especially during college events.
- Conduct various Environment awareness days and tree plantation program.

3. Clean Air Initiatives

College encourages student and staff to use public transportation. Also encourage for carpooling, an activity that will control air pollution and strengthen social interaction. Smoking and burning of garbage strictly prohibited in campus. The abundant natural landscape cleans the air in campus.

4. Infrastructure

a) Grid connected PV Solar System for the campus:

The college believes in reducing the consumption of electricity by utilizing grid connected PV Solar system with net metering. These panels are installed on rooftop of the college building.

b) Installation of Energy efficient equipment

College commits to install environment-friendly electrical appliances that save energy and reduce wastage of energy. Most of the tube lights and lamps are replaced by LEDs in classrooms and passages to minimize the energy consumption.

c) Water Conservation through Rain Water Harvesting System

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

d) Electric vehicle charging station

College provides charging point for E-vehicle to promote use of E-vehicle.

5) Waste Management Processes

a) Liquid waste management

- Maintain leak proof water fixtures.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.
- By treating waste water generated in washrooms through Sewage Treatment Plant (STP).

b) Solid waste management

The college will adopt practices to mitigate the generation and manage solid waste through the following methods:

- Systematically engage with the 3Rs (Reduce, Reuse and Recycle) for eco -friendly environment.
- Collect paper waste in campus and sent for recycling
- Take initiatives to spread awareness among students about:
 1. Food wastage and ways of minimizing it
 2. Minimizing the use of packaged food
 3. Use of degradable waste for composting purpose.

c) E-waste management

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:

- Awareness amongst students about reduction of e-waste and making provisions for environment friendly disposal
- E-waste is given to external agencies for recycling purposes.

6) Environment Centric Awareness Activities

College encourages awareness programs, plantation program, Cleanliness drive in and beyond the campus, Celebration of Various Environmental days.

7) Green Audit

The college aims to conduct a Green Audit to assess strengths and weaknesses for long-term sustainability. A green audit is a useful tool to determine how and where most energy or water resources are being used. The college can then consider how to implement changes and make savings. It can determine the type and volume of waste. Green auditing will promote financial savings through reduction in the use of resources. It is imperative that the college evaluate its own contributions toward a sustainable future.

8) *Energy Audit*

An Energy Audit is carried out to reduce carbon foot print. 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.

9) *Plastic free campus*

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'.