

**Bharati Vidyapeeth  
(Deemed to be University), Pune**

A+ Accreditation (third cycle) by NAAC in 2017  
Category-I Deemed to be University Grade by UGC  
68<sup>th</sup> Rank among Universities by NIRF-2021

**Green Policy  
and  
Strategies for Educational Campus**

Bharati Vidyapeeth (Deemed to be University), Pune

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# **BHARATI VIDYPEETH DEEMED UNIVERSITY**

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## **Green Policy and Strategies for Educational Campus**

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### **Sustainability Mission statement**

Bharati Vidyapeeth, deemed to be the university, leads in creating a world where environmental, social, and economic qualities exist in balance to meet the resource needs of today and of future generations.

Bharati Vidyapeeth University always promotes higher learning & leads to education by examples or practical demonstrations. This encourages and inspires new generations prepared to share this knowledge, ingenuity and passion.

### **Sustainability Vision and Mission**

- 1- To promote staff and students ongoing dialogue, research, or inquiry for more sustainable practices in learning as well as practical assignments or tasks.
- 2- Prepare the curriculum, degree program in continuation with research as a major area.
- 3- to enable students to understand and implement the sustainability issues and solution to build sustainable societies across the globe.
- 4- To design and build and demonstrate sustainable practices into University planning and operations addressing current and prospective implications.
- 5- to have such design and build activities that will minimize ecological footprint, contributing to maintain the balance due to climate change.
- 6- To Develop new ways of energy, sustainable transportation ,water , air , waste and food systems that contribute to the best practices in higher education.
- 7- Promote to participate in research initiatives and activities among the students under the guidance of staff members that educate our communities, to maintain our ecosystems longer lasting.

### Sustainable activities at University level

S.No	Name of Apex body	Policy	Proposals
1	At University level initiatives	To notify to the constituent units or sister institutes	To implement the green practises at University building as a pilot project.
2		To monitor the task of each institutes	To create all the phase wise documentations on the online system.
3		Awards and funds	To accept the proposals and grant the funds to the research team or college.
4		Organize the seminars and workshops	To promote all the institutes to participate, contribute to conduct awareness programmes, seminars under guidance of the University.

#### College /Institute level policy and action plans.

1	Renewable Energy Use in Campus-Use of solar ,wind energy at large scale.
a	Roof-Top Solar Power Plants:the proposal of installation of rooftop solar power plants of the institute with top priority and implemented phase wise in the campus. This will reduce long term energy bills and continuous energy for the smooth functioning of the college.This energy will be used for cooking , heating of water in various hostels of university and residential block., conducting lectures uninterrupted
2	Garbage collection and disposals , composting of it & Bio Gas Plant
a	Within the campus there is a need for garbage collection clusterwise colleges such as medical. engineering, technical, , hospital and other institutes. This will help proper coordination and easy disposal of waste. segregation of degradable and nondegradable waste which is an important aspect in waste management. The compost pit within the college side margins should be scientifically constructed so as this will be further used by the local farmers in their field.
3	<b>Energy Conservation Measures</b>
	Energy Conservation Measures: as mentioned under the titles needs to be installed to reduce energy use.

	a) LED Fixtures b) BEE 5-star rated Air Conditioners) Solar Water Heaters
	Waste Paper recycling , E-waste disposal,Bio-waste disposal certificates in each institute.
<b>Campus level policies and action plan.( for energy conservation or any other)</b>	
1	Tree Plantation in Campus &Landscaping of open land s.
2	Bicycles for pollution-free environment
3	Green Building Certification
4	Management and Treatment of Sanitary waste
5	Management ,Treatment and recycling of Food waste
6	Restricted entry of automobiles
7	Pedestrian Friendly pathways for all age groups
8	Ban on use of Plastic
<b>Evaluation of policies and strategies implemented at College as well as Campus level.</b>	
	For evaluating the environmental performance of Green Policies and Strategies for Educational campuses / institutions monitoring and maintenance of the following aspects needs attention: with top priorities.
	1)Per capita CO <sub>2</sub> emissions – Building and Transport (audit)
	2)Use of energy efficient appliances (Survey and audit)
	3)Efficient outdoor lighting indoor as well outdoor .
	4)Visual comfort conditions inside classrooms.
	5)Thermal comfort conditions inside classrooms.
	6)Acoustic comfort on campus and various academic areas.
	7)Indoor Air Quality – applicable for Air-Conditioned classrooms only.
	8)Annual water consumption

	9)Rainwater harvesting system with appropriate filtration system
	10)Water Quality
	11)Total number of trees on campus and botanical names.
	12)Adopting strategies for segregation of waste in educational campuses and individual buildings.
	13)Recycle of Organic and Inorganic wastes in educational campuses and individual buildings.

The institutional initiatives for greening the campus are as follows:

**College / Institute level sustainable activities:**

- 1- College students and staff must use public transport alternate working days.
- 2- To use e-cars within campus mandatory along with minimum daily 1000 m walking activities.
- 3- Minimization of use of water.
- 4- Recycle and reuse of waste water for trees and plants.
- 5- To promote use of renewable energy such as solar, wind and biogas.
- 6- All the hostels, residential quarters must be equipped with solar panels for cooking and water heating.
- 7- To promote segregated dry waste and wet waste for easy waste management.
- 8- To implement a BIMS system in each building to reduce energy use.
- 9- To promote to every stakeholder to plant at least two trees on his/her birthday and observe the growth of the tree till completion of his/her study program.After getting photographic growth the students must be awarded a degree certificate with additional credentials .
10. College may create virtual labs for the stakeholders for the demonstration and workshops to get awareness of sustainable practices across the globe.
- 10- To conduct massive cleanliness drives in the college and campus routinely as part of the responsibility.