



GREEN AUDIT REPORT

2021-2022

Vivekananda College of Law.


Principal
VIVEKANANDA COLLEGE OF LAW
12/1, 3rd Cross, Maruthi Extn.
Gayathri Nagar, Bangalore -560 021

PART A

Please answer the following questions. Please provide as much details as possible.

Control objective	Control(s)	Compliance (Please answer Yes/No). If Yes please explain the process and procedure.
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Reduce the absolute amount of waste that it produces from University kitchens, buttery, staff offices and student accommodation.	Yes. All in one composting bin is used.
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Make full use of all recycling facilities provided by City Municipality and private suppliers, including glass, cans, white, colour and brown paper, plastic bottles, batteries, print cartridges, cardboard and furniture.	Yes. Effectively utilized
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Compost, or cause to be composted, all organic waste, green waste and un-recycled cardboard produced in or collected from kitchens, gardens, offices and rooms.	Yes. All in one composting bin is used.
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Recycle or safely dispose of white goods, computers and electrical appliances.	Yes. System manager is in place to dispose of all e-waste of VIVEKANANDA Group of INSTITUTIONS
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Use reusable resources and containers and avoid unnecessary packaging where possible.	Yes. Our campus plastic free zone
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Always purchase recycled resources where these are both suitable and available.	Yes. Recycled water is used to watering plants, cleaning vessels


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Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated.	Yes. BBMP facility is effectively used
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Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Make specific arrangements for events, such as cultural Events, internal and external seminars and conferences, where significant recyclable waste is likely to be produced, in order to both minimize the waste produced and maximize what is recycled/reused.	Yes. BBMP facility is effectively used
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Control objective	Control(s)	
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Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Promote reuse of items and waste recycling among staff, students and conference guests through training, posters and incentives.	Yes. Regular orientation programme for staff & students regarding the recycling processes of reuse of items & waste
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Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Dispose all waste, whether solid or otherwise, in a scientific manner and ensure that it is not released directly to the environment.	Yes. BBMP facility is effectively used
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Reduce energy consumption, especially of energy derived from fossil fuels,	Support renewable and carbon- neutral electricity options on any energy-purchasing consortium, with the aim of supplying all University properties with electricity that can be attributed to renewable and carbon-neutral sources.	Energy conversant and environmentally friendly LED bulbs are used
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Reduce energy consumption, especially of energy derived from fossil fuels,	Appreciate that it is preferable to purchase electricity from a company that invests in new sources of renewable and carbon- neutral electricity.	Yes.
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Reduce energy consumption, especially of energy derived from fossil fuels,	Look in to the possibility of on-site micro-generation of renewable electricity.	-
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Reduce energy consumption, especially of energy derived from fossil fuels,	Give preference to the most energy efficient and environmentally sound appliances available, this includes only using energy-saving light bulbs.	Yes
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Control objective	Control(s)	
Reduce energy consumption, especially of energy derived from fossil fuels,	Provide energy efficient heating systems, with adjustable controls for individual heating appliances wherever possible, and ensure that comprehensible instructions are available to staff and students on the use of heating controls.	
Reduce energy consumption, especially of energy derived from fossil fuels,	Encourage staff, students and conference guests to save energy through visible reminders, incentives and information to increase awareness. This particularly concerns turning off electrical appliances when not in use in both communal and residential rooms.	Yes. Signage's put in place to create awareness
Reduce energy consumption, especially of energy derived from fossil fuels,	Monitor and understand the importance of different sources of University energy consumption, and set appropriate and measurable targets for a reduction in certain areas of consumption and/or in the overall consumption of energy.	Yes
Reduce energy consumption, especially of energy derived from fossil fuels,	Conduct switch off drills at regular intervals.	Yes.

Reduce energy consumption, especially of energy derived from fossil fuels,	Ensures that all electronic and electrical equipment's, such as computers, are switched off when not in use, and is generally configured in power saving mode when such option is available.	Yes.
Reduce energy consumption, especially of energy derived from fossil fuels,	If there are equipment's running on standby mode, reduce the energy consumption on standby mode or minimize the running of equipment's on standby mode.	Yes
Ensure that improvements, purchases and developments are environmentally sound	Seek and act upon professional advice in order to minimize the adverse environmental impact of any new developments and exceed government regulatory requirements. This includes efficient heating and water systems, appropriate space for recycling, and the use of recycled and/or sustainable building materials where possible.	Yes
Control objective	Control(s)	
Ensure that improvements, purchases and developments are environmentally sound	Purchase efficient and environmentally sound appliances in order to fulfil the commitments in section 2, and consider replacing old stock with 'greener', more efficient alternatives.	Yes
Ensure that improvements, purchases and developments are environmentally sound	Purchase food that has been produced and delivered with minimal impact on the environment, this includes buying locally produced, organic and free-range food wherever possible.	Yes

Ensure that improvements, purchases and developments are environmentally sound	<i>Optional [Investigate and understand the environmental impact of University investments. This implies a preference against companies whose 'core activity' contributes to: 1. Global warming through the extraction or production of fossil fuels, 2. the manufacture of chemicals which are dangerous or persistent in the environment, 3. The unsustainable harvest of natural resources.</i>	
Minimize the use of unsustainable transport	Make available information about bicycle and pedestrian routes, public transport services and car share schemes to staff and students.	Yes
Minimize the use of unsustainable transport	Reduce the proportion of travel on University business carried out in private transport and eliminate	

	unnecessary and inefficient use of University vehicles.	-
Minimize the use of unsustainable transport	Promote car sharing / car pool among the students and faculty members.	Yes
Minimize consumption of water.	Repair sources of water leakage, such as dripping taps and showers as quickly as possible.	yes
Minimize consumption of water.	Install appliances which reduce water consumption.	Yes
Minimize consumption of water.	Encourage a decrease in water usage among staff, students and conference guests.	Yes

Minimize consumption of water.	Purchase the most efficient washing machines and dishwashers available which have an economy setting as default.	Yes
Control objective	Control(s)	
Minimize consumption of water.	Use an efficient and hygienic water storage mechanism is to minimize the loss of water during storage.	Yes
Minimize consumption of water.	Minimize wastage of water and use of electricity during water filtration process, if used, such as RO filtration process and ensure that the equipment's used for such usage, are regularly serviced, and the wastage of water is not below the industry average for such equipment's used in similar capacity.	Yes
Minimize consumption of water.	Install Water recycling mechanism, such as rain water harvesting system.	Yes
Minimize the use of chemical pollutants	Ensure that all cleaning products used by University staff have a minimal detrimental impact on the environment, i.e. are biodegradable and non-toxic, even where this exceeds the Control of Substances Hazardous to Health (COSHH) regulations.	Yes
Minimize the use of chemical pollutants	Minimize the use of fertilizers and pesticides in University grounds, opting for the use of compost produced on site wherever possible.	Yes

Minimize the use of chemical pollutants	Dispose the chemical waste generated from the laboratories in a scientific manner.	-
Minimize the use of chemical pollutants	Reduce the practice of burning plastic and other material that emits harmful gas on burning is prevented in the campus.	Yes
Control objective	Control(s)	
Minimize the use of chemical pollutants	Establish a Garden in the campus.	Yes
Minimize the use of chemical pollutants	Encourage the faculties and students to plant trees in the garden.	Yes. NSS unit of our institution is maintaining.
Minimize the use of chemical pollutants	Reviews periodically the list of trees planted in the garden.	Yes
Ensure that environmental awareness is created.	Conduct environmental awareness workshops as a part of the program.	Yes. Periodically organised
Ensure that environmental awareness is created.	Conduct events such as plant trees to spread environmental awareness among the students.	Yes
Ensure that environmental awareness is created.	Create awareness of environmental sustainability and takes actions to ensure environmental sustainability.	Yes
Ensure that environmental awareness is created.	Reduce the rate at which the University contributes to the depletion and degradation of natural resources.	Yes. Every step are initiated to protect environment
Ensure that environmental awareness is created.	Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service.	Yes. Our NSS wing is active in creating environment awareness.

Ensure that the buildings conform to green standards.	Review architecture of existing buildings and reviews ways, in consultation with experts, to reduce usage of energy for such buildings, offering greatest efficiency for energy and water usage, and reducing carbon emission.	Yes
Control objective	Control(s)	
Ensure that the Environmental Policy is enacted, enforced and reviewed	Establish a University Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy.	Yes. Environmental policies are adopted and implemented.
Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that on the Nature Club there will be appropriate representatives of the relevant University departments and authorities – such as catering, gardening, maintenance, cleaning and finance.	Nature Club activities are organised with NSS unit of the institution & NSS volunteers work as Green Warriors
Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that on the Environmental Committee there will be the Green Officer from an external agency who is engaged in the profession of providing guidance on environmental impact.	Pranav Sevashram Trust, Bengaluru.
Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that the Environmental Committee will review the Environmental Policy on an annual basis, and will monitor progress and	Yes. Periodically reviewed
	set measurable targets wherever possible.	

Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that the Environmental Policy is enforced regardless of whether its requirements exceed the mandate of the law.	Yes
Control objective	Control(s)	
Ensure that the Environmental Policy is enacted, enforced and reviewed	Require that every staff and student member recognizes their responsibility to ensure that the commitments in the Environmental Policy are properly put into practice.	Yes.
Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that an audit is conducted annually and action is taken on the basis of audit report, recommendation and findings.	-


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PART B

Learning Objectives

1. To raise awareness about biodiversity and its role in the overall health of the planet.
2. To investigate the native biodiversity of the University and surrounding community.
3. To identify key aspects of local habitats and the local ecosystem that promotes biodiversity.
4. To make connections between human actions and the level of biological diversity found within a habitat and/or ecosystem.
5. To improve the biodiversity found on University grounds.
6. To provide information regarding the benefits of a biologically diverse ecosystem to students, families, and the community.

Background

The audit focus is to survey the University grounds to assess the level of biodiversity of flora and fauna found within the University. Biodiversity is the web of life. There are a variety of living things that are found within the University coexisting with the activities of students and teachers. These include the trees, shrubs, smaller plants and grasses, as well as birds, mammals and small invertebrates such as spiders and insects. The aim is to quantify the area of the University covered by vegetation and to assess the amount and diversity of habitats which could support a variety of species. Students will be encouraged to devise strategies to increase the level of biodiversity in the University grounds.

TABLE 1. HABITAT HEALTH OBSERVATION SURVEY

	Herbs	Shrubs	Trees	None	Few	Most	None	Some	Lots	Small	Medium	Large
Grassland	-	-	-	-	-	-	-	-	-	-	-	-
Garden Beds	4	3	19		Herbs and Shrubs	Trees	-	-	-	-	-	-

NOTE* For older students-along with the tick/check marks you place in each box you may also wish to put an approximate percentage of the area, for example- In the forested areas section you have ticked or checked **shrubs and trees** under **Layers**, now estimate what percentage of the forested area is covered by shrubs and trees.3

TABLE 2. TREE SURVEY

Large trees (dead or alive) are nature's sky scrapers, providing food, homes and shelter for all kinds of animals. For this portion of the biodiversity audit, your goal is to identify the habitat value of trees on your campus. For each tree, determine the following:

TABLE 2: TREE SURVEY			
Type of Trees	Species	Tally (# of Trees)	Total Number
Native/ Alive with hollows	-	-	-
Native/ Alive without hollows	Aganonerion (Dogbanes)	1	1
Native/ Alive without hollows	Mahogany	1	1
Native/ Alive without hollows	Magnolia	2	2
Native/ Alive without hollows	Kokilaksha	1	1
Native/ Alive without hollows	Ixona	1	1
Native/ Alive without hollows	Mango	1	1
Native/ Alive without hollows	Oleander	1	1
Native/ Alive without hollows	Pinwheel Flower	6	6
Native/ Alive without hollows	Croton	1	1
Native/ Alive without hollows	Soapberry	1	1
Native/ Alive without hollows	Weeping Fig	1	1
Native/ Alive without hollows	Arjuna	1	1
Native/ Alive without hollows	Green Bamboo	1	1
Native/ Dead with hollows	-	-	-
Native/ Dead without hollows	-	-	-
Exotic/ Alive with hollows	-	-	-
Exotic/ Alive without hollows	-	-	-
Exotic/ Dead with hollows	-	-	-
Exotic/ Dead without hollows	-	-	-
Others			
Herbs	Giant Taro	1	1
Herbs	Lemon Basil	1	1
Herbs	Tulsi	1	1
Herbs	Betel Leaf	1	1
Shrubs	Calotropis	1	1
Shrubs	Asean Peigea	1	1
Shrubs	Multiflora Rosa	1	1
Total		26	26



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Position	Name	Sub	Type	Count
Pot 1	Giant Taro		Herbs	1
Pot 1	Lemon Basil		Herbs	1
Pot 2	Tulsi		Herbs	1
Pot 2	Betel Leaf		Herbs	1
Garden Bed	Calotropis		Shrubs	1
	Asean Peigea		Shrubs	1
	Multiflora Rosa		Shrubs	1

Herbs	4
Trees	19
Shrubs	3
Total	26

TABLE 1: HABITAT HEALTH OBSERVATION SURVEY						
Sl #	Map reference	Plants				Comments/ Rating
		Layers	Natives	Weeds	Area	
1	https://goo.gl/maps/49h99PUnj6x5XfXE7	-	19	-	-	2 Pots with 4 varieties of herbs and 17 varieties of shrubs and trees largely around the West Perimeter of the College

ANNEXURE:

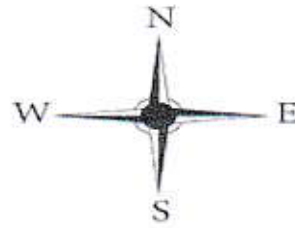
Campus area: 12000 Sq ft

Built up area: 36000 sq ft

Tree Survey :19

Native Trees: 19


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<https://goo.gl/maps/49h99PUnj6x5XfXE7>



Recommendations

1. **Waste Management at Events:** Implement effective waste collection systems for cultural events, fests, seminars, and conferences to minimize waste generation and maximize recycling and reusing efforts.
2. **Energy and Water-efficient Appliances:** Upgrade to energy and water-saving appliances and equipment to reduce the institution's overall consumption of resources.
3. **Promote Recycling with Clearly Designated Collection Points:** Set up easily accessible and well-publicized recycling points across the campus, clearly assigning responsibilities for recycling efforts.
4. **Prioritize Purchase of Recycled Resources:** Whenever feasible, prioritize buying recycled materials and resources to support environmentally friendly procurement practices.
5. **Regular Review of Environmental Policy:** The Environmental Committee should conduct an annual review of the institution's Environmental Policy, monitoring progress, and setting measurable targets for sustainable practices.
6. **Biodiversity Documentation:** Collaborate with the Eco Club to identify and maintain records of different bird and butterfly species found on campus to promote biodiversity conservation.
7. **Seasonal Watering Schedule:** Develop a seasonal watering schedule for plants and trees to optimize water usage and support their health throughout the year.
8. **Planned Tree Planting:** Adopt a well-thought-out approach to determine the number of saplings to be planted each year, considering environmental factors and conservation goals.

By implementing these revised recommendations, the college can demonstrate its commitment to sustainability, reduce its ecological footprint, and foster a more environmentally responsible campus community

Auditor Signature

Suman Nandy

Campus Technology



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