



SREE NARAYANA COLLEGE CHENGANNUR

Alappuzha, Kerala

**Affiliated to University of Kerala
NAAC Accredited with 'B' Grade**



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CRITERIA 7

7.1: INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES

7.1.2: The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Submitted To



**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
FOR ASSESSMENT & ACCREDITATION – CYCLE II
AUGUST 2023**

Established in 1981

Sree Narayana College
Chengannur, Kerala - 689508

Managed by the Sree Narayana Trusts, Kollam

Affiliated to the University of Kerala

Accredited by NAAC with B Grade

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Policy document on the green campus/plastic free campus are attached herewith.

SREE NARAYANA COLLEGE, CHENGANNUR

POLICY DOCUMENT FOR GREEN CAMPUS INITIATIVES

Sree Narayana College Chengannur is aware about environment conservation with its green campus initiatives and maintains pollution free and clean campus. The green campus policy of the college is to adopt, practice and promote environmentally friendly practices among students and faculty. The policy aims to generate environmental consciousness and to promote sustainable and eco-friendly practices in the campus. Sree Narayana College is situated in a rural area which provides the institution some advantages in effective waste management and the college has put in place several strategies for effective waste management.

Objectives of the Policy:

- To protect and conserve resources within the campus.
- To continuously improve the efficient use of all environmental resources.
- To reduce the amount of waste produced
- To integrate environmental concerns into policies, plans and programs for social development.
- To make the campus plastic free.
- To conduct Environmental and Energy audit
- To recover and recycle waste where possible.

Green Campus Committee:

- 1) Principal of the College: Chairperson
- 2) IQAC Coordinator: Secretary
- 3) Faculty Representative: Nominated by the Principal
- 4) Faculty Representative: Nominated by the Principal
- 5) Student Representative: College union Chairman
- 6) Non-Teaching Staff Representative: Office Superintendent
- 7) Parent Representative: Secretary of the Parent Teacher Association

Institution Green Campus Initiatives :

Main focus areas for Green Campus Policy are:

1. Degradable and non-degradable waste management
2. Alternate Sources of Energy and Energy Conservation
3. Water Conservation
4. Restricted entry of vehicles
5. Ban on use of Plastic
6. Landscaping with trees and plants
7. Use of LED
8. Green Audit
9. Environment Audit
10. Energy Audit

These strategies are incorporated into the institutional planning and budgeting processes of Sree Narayana College Chengannur, with the aim of developing a clean and green campus.

Degradable and non-degradable waste management

There is provision to deposit dry waste and wet waste separately so that sorting of waste is done at the point of origin itself. Organic waste primarily consisting of food waste is collected from the campus and hostels are deposited in the Biogas plant.

Types of waste	Particulars	Disposal method
Solid wastes	<ul style="list-style-type: none">• Damaged furniture,• paper waste, paper plates• food wastes	<ul style="list-style-type: none">• Reuse after maintenance,• energy conversion
Plastic waste	<ul style="list-style-type: none">• Pen, Refill, Plastic water bottles and other plastic	<ul style="list-style-type: none">• Direct selling

	containers, wrappers etc	
E-Waste	<ul style="list-style-type: none"> Computers, electrical and electronic parts 	<ul style="list-style-type: none"> Handed over to Cheriyanad Panchayat for Safe Disposal
Chemical wastes	<ul style="list-style-type: none"> Laboratory waste 	<ul style="list-style-type: none"> Neutralize with proper safety measures/ Reuse after purification Hazardous chemicals are handed over to Cheriyanad Panchayat for Safe Disposal
Waste water	<ul style="list-style-type: none"> Washing, urinals, bathrooms etc 	<ul style="list-style-type: none"> Soak pits
Sanitary Napkin		<ul style="list-style-type: none"> Napkin Incinerators

Solid waste management:

- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as dry and wet waste.
- Colour coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.



Separation of waste as degradable and non-degradable

- Plastic waste is collected by “Haritha Karma Sena” on monthly basis and handed over to authorized personnel of Cheriyannadu Grampanchayat for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains.



Collection of Plastic waste by Haritha Karma Sena



കേരളം കേരल KERALA

DL 155728

Agreement between Cherivanad Grama Panchayath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of Non-Degradable Solid Waste from the campus

It is hereby agreed that

1. All the solid waste generated within the campus will be collected once in a month with a user fee of Rs. 100/- (One hundred only) has to be paid by the college for the same
2. Plastic waste, glass waste, paper and other non degradable wastes may be kept separately for the easiness of collection and disposal.
3. Periodic monitoring of the process is a duty of both the parties.
4. Awareness campaign will be carried out to avoid the use of plastic in the campus.

SECRETARY
Cherivanad Grama Panchayat
Cherivanad P.O., Chengannur
Alappuzha District, PIN: 589 511
PH: 0477-2360149



PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR

No. 27327
25/01/2023

Handwritten signatures and text in Malayalam script.



Agreement with Chengannur Grama panchayath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of non-degradable solid waste

- Solid Waste Generated in the Campus is incinerated in the Solid Waste Incinerator



Solid Waste Incinerator installed at the campus

Liquid waste management:

- Based on the agreement, the hazardous chemical waste is handed over to the Cheriyana Gramapanchayat for safe disposal
- Non hazardous liquid waste are diluted and are carried over to the common drainage.

E-waste management

- The E-waste collected is stored in store room and disposed every year accordingly.
- A collection drive is arranged at the college every year and the collected E-waste is handed over to the Cheriyana Gramapanchayat for safe disposal.
- Old monitors and CPUs are repaired by the technician and are reused.



കേരളം കേരള KERALA

DL 155730

Agreement between Cherivanad Grama Panchavath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of Chemical Waste from the campus

It is hereby agreed that

1. All the chemical waste generated within the campus will be collected twice in a year with a user fee of Rs. 400/- (Four hundred only) has to be paid by the college for the same
2. The chemical wastes must be separated as solid and liquid for the easiness of collection and disposal.
3. Periodic monitoring of the process is a duty of both the parties.

SECRETARY
Cherivanad Grama Panchayat
Cherivanad P.O. Cheranganur
Alappuzha District - 689 511
Ph: 0471 2260149



[Signature]

PRINCIPAL

Sree Narayana College

SREE NARAYANA COLLEGE
CHENGANNUR

No 27329
25/01/2023

[Signature]
M. G. Subash

[Signature]

Principal
Sree Narayana College
Chengannur



Agreement with Chengannur Grama panchayath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of chemical waste



കേരളം കേരള KERALA

DL 155729

Agreement between Cherivanad Grama Panchayath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of E-waste from the campus

It is hereby agreed that

1. All the E-waste generated within the campus will be collected once in 2 years
2. User fee of Rs. 500/- (Five hundred only) has to be paid by the college for the same

SECRETARY
Cherivanad Grama Panchayath
Cherivanad P.O., Chengannur
Ariyappuzha Taluk, Pin 688 211
Ph. 01172362148



PRINCIPAL
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CHENGANNUR

NL 27328
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SECRETARY
CHERIVANAD GRAMA PANCHAYATH
CHERIVANAD P.O., CHENGANNUR



Agreement with Chengannur Grama panchayath Haritha Karma Sena and Sree Narayana College Chengannur for collection and disposal of E-waste

Alternate Sources of Energy and Energy Conservation

The Institution has the following facilities for alternate sources of energy and energy conservation measures:

1. **Solar energy**
2. **Biogas plant**
3. **Awareness programs on energy conservations**
4. **Use of LED bulbs/power efficient equipment**



Solar Panel installed at the college



Biogas Plant at the Campus

Awareness Posters



Use of LED

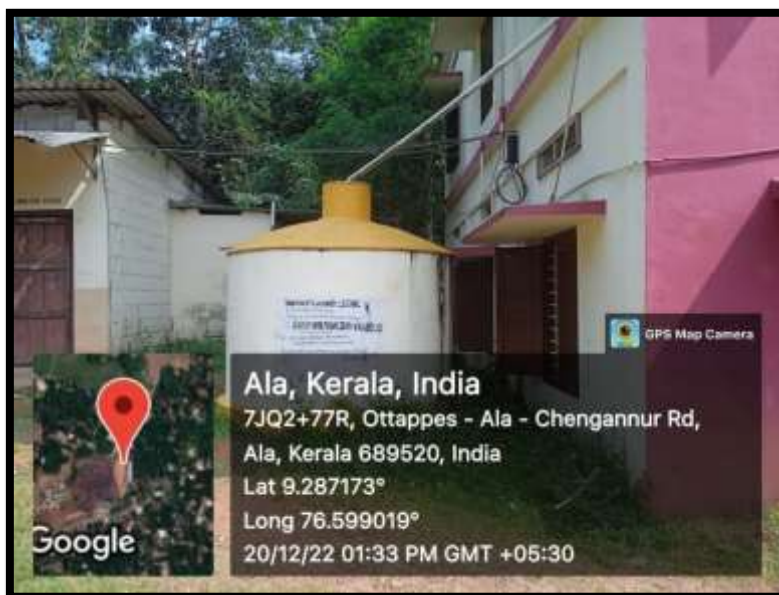
Compared with traditional lights, LED lights are up to 80% more efficient. Our College is now equipped with LED lights as a part of energy conservation measures.



WATER CONSERVATION

Rainwater harvesting

The rainwater harvesting system is one of the best methods practiced and followed to support the conservation of water at Sree Narayana College Chengannur. Run-off rainwater from rooftop of the buildings in the campus is captured and stored in a reservoir tank of 7000 liters. The water stored in the Rain Water Reservoir is directed in to the Chemistry Lab for Laboratory use. The stored rainwater is used for gardening & cleaning purpose.



Awareness Programs

Educational/cautionary posters regarding water conservation are placed in the campus. For quick sanitation purposes, alcohol-based sanitizer is more convenient than full hand wash and is produced by the Department of Chemistry

- Spreading information to the students regarding water conservation and sensitizing them to save water
- Water saving techniques included in curriculum
- Educational/cautionary posters

Water Management

Water conservation is a key activity as water availability effects on the development of the campus. Keeping this view water conservation activity is carried out.

Source of the Water

- **Open Well water**

Our campus is equipped with two very large well of 100 feet depth having 20 feet water storage. We have three storage tanks each with 3000 litre capacity including a rainwater storage unit.



- **Bore well**

There is a borewell in the campus and this is used mainly for the hostel purpose. The water from the borewell is also used in the campus when water scarcity arises in the summer season.



- **Centralized Pipeline from Kerala Water Authority**

The centralized water supply system in the campus helps to get sufficient water supply for 24 hours in College campus and also for Women's Hostel

- **Open well recharge**

A significant part of groundwater artificial replenishment is played by open wells. The roof runoff water is collected through network of pipe lines and stored in the filter. The water from the filter is allowed to recharge the open wells.



Source Water Details

Sl No	Description	Response
1	Source of water	Open well
2	No of wells	2
3	No of Motors Used	2
4	Depth of well	70 feet
5	Water level	25 feet
6	No of Water Tanks	3
7	Capacity	3000ltr
8	Quantity of water pumped	3000 ltr

9	Water use purpose	Regular use
10	Treatment for waste water from lab	Safe Disposal
11	No. of water purifiers	4
12	Rain water harvest units	1
13	Water management plans	yes
14	Water saving techniques	yes

Campus farming

The college has started cultivation of Organic vegetable farm, medicinal plant garden were also properly maintained in the campus.

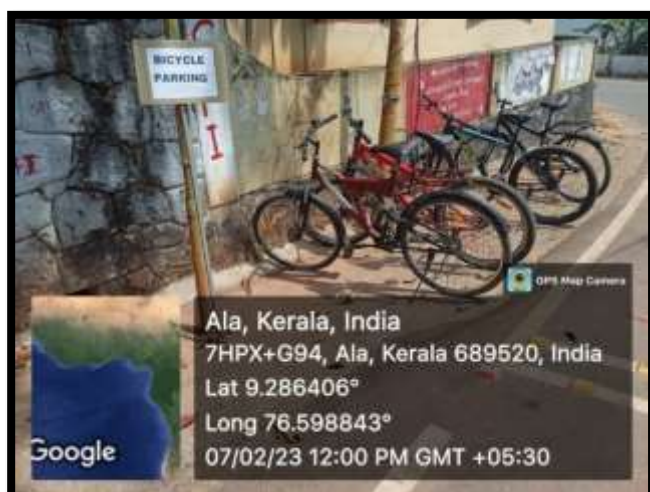
Routine Green Practices

Every year college celebrates World Environment Day, World Water Day, World Wetland Day and Ozone Day in the campus under the initiatives of Bhoomitra Sena Club, NSS and Science club. The main focus of these programs was to provide awareness to the students about the importance of environment, its conservation and sustainable use of environmental resources. The programs are conducted through seminars, poster presentation, field oriented activity, quiz competition, debates etc

Initiatives by College towards Sustainable Environment

1.Restricted entry of vehicles

- All the vehicles of college staff/ faculty members should be getting the emission certification before entering the vehicle in college campus.
- The college encourages the employees and students to frequently use public transport, bicycles, etc. to limit the emissions.



Transportation/carbon footprint

- Majority of the students in the campus rely on public transport, indicating lesser carbon footprint of the student community.
- Motor vehicles of students are prohibited inside the campus.
- Personal vehicles of staff are provided with parking space in the campus.

Sl No	Department	Members with Own vehicle	Members Using Public Transport	Use bicycle
1	Economics	2	5	
2	B-com	3	1	
3	Physics	3	1	
4	Chemistry	6	1	
5	Maths	2	3	
6	Languages	3	1	

2. Ban on use of Plastic

- The college is continuously committed to work towards plastic-free campus.
- In the campus there is complete ban on single-use plastics in classrooms, laboratory and canteen in the institution's premises and in women's hostel.



3. Landscaping with trees and plants

As per the green practices in the campus is moving in the direction of a Green Institution in Kerala planting more trees within and outside the campus. Medication plants and trees have been planted to clean the atmosphere.





4) Conducting Energy Audit

Energy audit of consumption of electricity in the college is conducted every academic year. The objective is to identify the extent of energy consumption and find appropriate strategies of conservation.