

CLEAN AND GREEN CAMPUS INITIATIVES



ECO-FRIENDLY INITIATIVES

Activities :

Our college is committed to sustainability and environmental responsibility. Our campus is to be home to a vibrant and diverse collection of trees, creating a tranquil oasis for students, faculty and wildlife.







To enforce green protocol in college, several weekend workshops and skill development activities were organized. The volunteers received training on how to make paper bags, paper pen, paper file and booklets.

Volunteers then provided eco-friendly seminar materials like paper pens, paper file folders and paper bags made by themselves, to various departments in our college.

NSS also supplied steel tumblers for all the functions in college thereby replaced the old plastic and paper cups.



GREEN PROTOCOL

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ROOF TOP FARMING



Volunteers started roof top farming on the top of our college building. They collected mud and organic manure in plastic cover and planted vegetable seeds in them. Though the harvest was expected by the end of March, due to lock down we couldn't collect the ripening crops.



REDUCE AND REUSE

In an attempt to provide the 'best out of waste', students collected waste plastic bottles and reused it by cutting into different shapes and painted it with different colours. These coloured bottles were used for beautification of our college. Some of our volunteers thought of reusing these bottles to plant small saplings.





PAPER BOOKLET MAKING

- Making of paper booklets to be distributed in the national seminar
- Purchase, planning and organisation of the required materials
- Distribution of the prepared paper booklets on the occasion

Preparation Strategy

Organised group work led to effective implementation of the activity





Outcome or Result of the Event

- The efforts of the volunteers were recognised
- Words of praise showered by the seminar organisers boosted the morale
- Understood the essence of effective team work.

Supporting Images/Videos



Haritham- Mannorukkal

The NSS volunteers started the day's activity called "Haritham- Mannorukkal". Haritam Project was started with the intention of preparing a farm for Kavilampara High School. NSS volunteers took up the program with great enthusiasm. In the afternoon, a science awareness class was organized under the leadership of Mr. Prasad Kaitakkal based on the topic of Science and Life.





Gandhi Jayanthi Celebration: CAMPUS CLEANING

As part of Gandhi Jayanthi celebration, NSS volunteers cleaned the campus and taken care of the saplings planted during the previous years. About 95 volunteers participated in the program. On October 2nd, 2022, the National Service Scheme unit 87 and 179 of Govt. college Mokeri organized a cleaning drive on the occasion of Gandhi Jayanthi, the birth anniversary of Mahatma Gandhi. The aim of the cleaning drive was to promote cleanliness and hygiene on the college campus, in keeping with Gandhi's emphasis on sanitation and personal hygiene.











2022-23

COLLEGE CLEANING DRIVE - 16/02/2024

The event aimed to promote cleanliness and environmental awareness among students and staff.

Over 100 NSS volunteers actively participated in cleaning various parts of the campus, including classrooms, corridors, and outdoor spaces. Armed with brooms, gloves, and dustbins, the students diligently cleaned and removed waste, contributing to a cleaner and healthier environment.



How to make our environment clean – Sri. ManalilMohanan – 24-12-2023

On 24th December 2023, the NSS unit of Govt college Mokeri organized a guest lecture titled "How to Make Our Environment Clean" for the college students. The guest speaker, Sri. Manalil Mohanan, a renowned environmentalist and social worker, shared his insights on environmental conservation and the role of individuals in maintaining cleanliness.



During his lecture, Sri. Mohanan emphasized the importance of reducing waste, recycling, and proper waste disposal. He also discussed practical ways students could contribute to a cleaner environment, such as minimizing plastic use, planting trees, and engaging in community clean-up activities. His message was clear: individual actions, however small, could collectively have a significant impact on the environment.



Cleaning and Decorating the Flower pots @ Camp School Garden -23/12/2023

On December 23, 2023, the National Service Scheme (NSS) volunteers of Camp School enthusiastically undertook a project to clean and decorate the flower pots in the school garden. This initiative aimed to not only enhance the aesthetic appeal of the garden but also promote a sense of environmental stewardship among the students.





Monthly College Cleaning Drive – 15-10-2023

The NSS units, in co-ordination with college authorities, planned the cleaning drive in advance. Necessary cleaning equipment such as brooms, mops, trash bags, and gloves were arranged. A call for volunteers was announced across various college platforms, encouraging students, faculty, and staff to participate actively in the cleaning drive.



Gandhi Jayanthi- Cleaning College Road – 02-10-2023

The college road cleaning activity was organized as part of the Gandhi Jayanthi celebration to honor Mahatma Gandhi's principles of cleanliness and social responsibility. The main objective



was to instill a sense of civic duty and environmental consciousness among the college students and staff.

The event was meticulously planned by the NSS unit in collaboration with college authorities. Prior arrangements were made for cleaning equipment such as brooms, dustbins, gloves, and masks.



Monthly College Cleaning Drive & NSS Day- 24-09-2023

This year, NSS Day was commemorated through our flagship program, the monthly cleaning drive. The program was conducted in collaboration with Nature club. A total of 96 volunteers enthusiastically participated in the cleaning activities, demonstrating their commitment to community service and environmental stewardship.





Monthly College Cleaning Drive – 01-08-2023

By the third month of our flagship program, our volunteers were filled with enthusiasm and a strong desire to serve society on their own accord.



Monthly College Cleaning Drive – 01-07-2023

As part of our flagship program, the monthly cleaning drive, on 1-07-2023, we conducted a thorough cleaning of the entire college premises. This initiative aims to cultivate a sense of cleanliness among our volunteers and promote a clean environment in their surroundings.







<u>"Say No To Plastic" - 09/06/2023</u>

As a part of our anti-plastic awareness campaign on 9-6-2023, our volunteers visited all the classes to deliver speeches on anti-plastic awareness. Additionally, we posted numerous posters containing anti-plastic messages inside the classrooms and around the campus premises to spread awareness effectively.



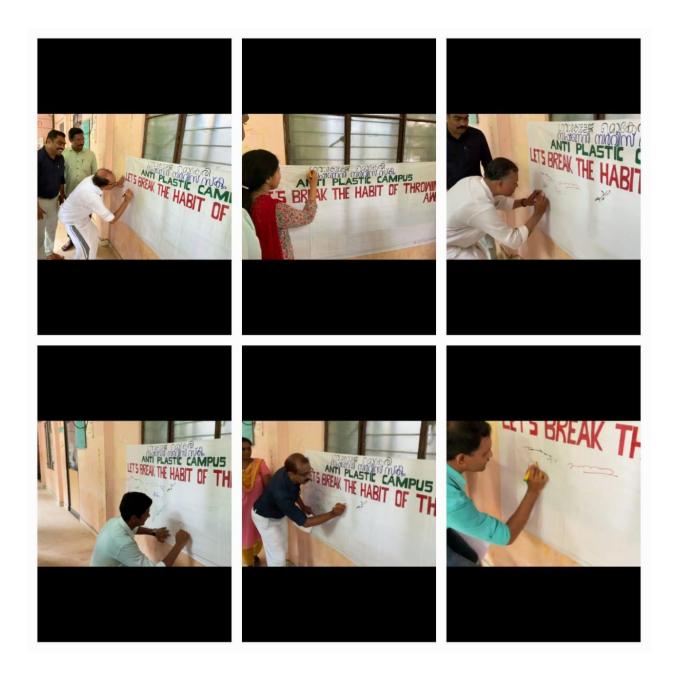






<u>Anti-plastic campus campaign – Inaugurated by Kuttiyadi MLA K P Kunjammad Kutti</u> <u>Master -01-06-2023</u>

To give significance to this year's Environment Day theme "Beat Plastic Pollution," we organized an anti-plastic campus campaign by collecting signatures on a board. The campaign was inaugurated by our esteemed MLA K P KunjammadKutti Master on 1-06-2023. Following this, our respected Principal Ashraf added his signature, followed by our staff members, and subsequently, all NSS volunteers added their signatures to the board.





Monthly College Cleaning Drive – 01-06-2023

This year, we have chosen to implement monthly cleaning drives as our flagship program. Thus, we commenced this year's NSS journey with a significant cleaning drive. Following the twomonth vacation period, the college environment was in poor condition, presenting a challenging situation for our NSS volunteers. However, they approached this challenge with determination and effectively completed the task.







ENVIRONMENTAL INITIATIVES



MASS TREE PLANTATION PROGRAMME-2019-20

The NSS units, in collaboration with the Forest Department,organised a 'Mass Tree Plantation Programme'to celebrate World Environment Day. Around 150 saplings were planted in and around the college premises.



SOAP MAKING

Aim/Objective of the event

- To promote good hygiene practices
- To help volunteers understand the basics of soap making
- Making volunteers self sufficient in soap making

Activities conducted



- Session on soap making was conducted in the chemistry lab of the college
- The ways of mixing and transferring the ingredients in their exact proportions was done by the students themselves
- The soaps made were sold to the office bearers and students in the college

Preparation Strategy

Activities were monitored by teachers of the chemistry department. The students took part in the soap making process with all earnestness

Outcome or Result of the Event

- With the soaps being well accepted in the college, an awareness of personal hygiene was affirmed
- Marketing of soaps fuelled the selling skills of the students
- 12. Volunteers got a belief of their capabilities of making soaps at their homes with the necessary ingredient
- **13**. No. of participants 20

Supporting Images/Videos



KILIKALUM COOLAVATTE

Aim/Objective of the event



- To help the birds face the severity of the summer season
- Placing water feeders for birds in a pot in the college campus.
- Created spaces for bird water feeders and bird baths in their homes and nearby localities

Activities conducted

- Placing water feeders for birds in a pot in the college
- Volunteers also created spaces for bird bottles and bird bath tubs in their homes and nearby localities.

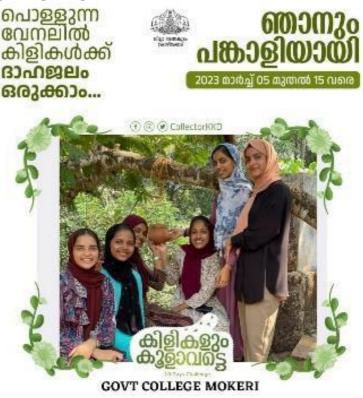
Preparation Strategy

Necessary talks on this activity was done in the CoK meeting and the decisions taken were well planned and executed by the volunteers

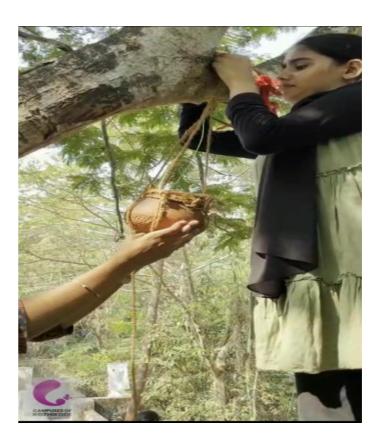
Outcome or Result of the Event

- A fresh whiff of love for the feathered friends surfaced
- More of feathered friends were seen in the college campus
- No. of participants 10

Supporting Images/Videos



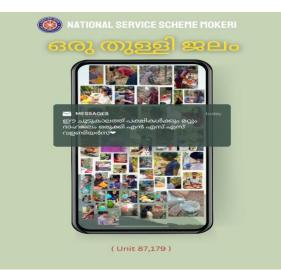




2022-2023

A drop of water

On April 14 Vishu day, under the auspices of Government College Mokeri NSS unit, with the name "A Drop of Water", volunteers prepared a bowl of thirsty water in their homes for the living beings in consideration of the fervor of summer. Through this, the volunteers serve as a reminder that living beings are also thirsty and it is our responsibility to protect them.







World Population Day

The activities of NSS during the year 2022-23 began with a digital poster making competition in connection with the World Population Day.





2023-2024

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Aim of Observing Important Days

- To create awareness on the need to preserve and conserve Mother Earth
- To plant saplings in and around the homes of COK volunteers
- To nurture the saplings planted thereby adding their part to the 'lungs of nature'

Activities conducted

- Work was assigned among the volunteers to design posters
- Saplings were collected from nurseries



• Saplings were planted by COK volunteers in their homes

Preparation Strategy

Meeting was convened at college and decisions pertaining to the proper organisation of the event were done. Purchase of saplings necessary for the day was also done.

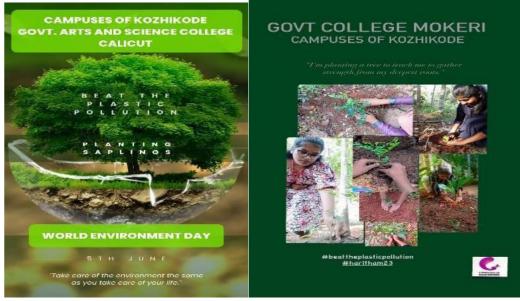
Outcome or Result of the Event

- Awareness posters were circulated well in advance in whatsapp groups among class groups and staff too
- Saplings were planted in the homes of the COK volunteers
- The planted saplings are being nurtured in the homes of the volunteers with renewed 'green' vigour

No. of participants

50

Supporting Images/Videos



DISASTER MANAGEMENT

5. Aim/Objective of the event

• To create awareness on the need to stay at home to prevent the spread of the virus

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• To boost the morale of COK volunteers to face the crisis with a positive mindset



- To lend supporting hands to the efforts taken by the government and college staff in reaching out students via the online classes
- Awareness posters were circulated via whatsapp messages to keep away growing fear in the minds of the learners regarding the fast spread of the Nipah Virus. The need for staying indoors was reiterated through the poster made and students were encouraged to get back in full form in their online classes.

Activities conducted

- Work was assigned among the volunteers to design posters
- Ideas that need to figure in the poster were discussed and finalised via virtual meets.
- The unanimously selected best poster was circulated in class, staff and neighbouring groups to enhance awareness among the public

Preparation Strategy

An online meeting was convened and decisions pertaining to preparation of the poster were taken. The design of the poster was also finalised. The important aspects that needed to be highlighted were finalised. Works were assigned to the volunteers.

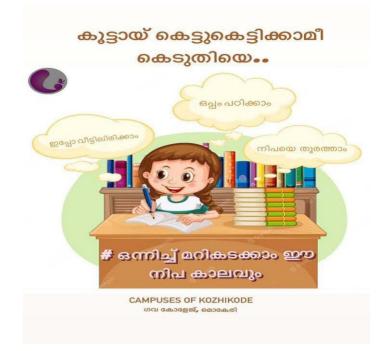
Outcome or Result of the Event

- Awareness posters were circulated in whatsapp groups among class groups and staff too
- The morale of the learners were boosted as they got to know that they were not alone in the fight against the deadly virus
- The students actively participated in the online sessions that were handled by their teachers with renewed vigour and enthusiasm

No. of participants 50



Supporting Images/Videos



Waste Management

Aim/Objective of the event

- To maintain cleanliness in the college environs
- To imbibe civic responsibility in the COK volunteers
- To engage in team work to effectively implement decisions taken

The volunteers decided to put in their hardworking hands to better the look of the college by firstly cleaning the entire college campus, discarding unwanted wastes, and taking efforts to welcome the approaching Christmas session

Activities conducted

- Works were assigned in groups to tidy up the college campus
- Broken furniture articles and other pieces of wooden furniture were stacked separately for adding to the fuel resources of the canteen people
- Dried up leaves and branches were bundled separately and moved away from the college premises



- On the second day, preparations to create a Christmas crib and star was done
- The college was beautified with once discarded waste materials reinstated with inspiring quotes and wordings
- The main campus wall was made beautiful with the cooperation of college union

Preparation Strategy

Meeting was convened at college and decisions pertaining to the proper organisation of the event were done. First year volunteers agreed to be in full swing for the two days. A sumptuous lunch was promised to them to add to their hardworking nature.

Outcome or Result of the Event

- The college premises were beautifully tidied up
- Reusing of discarded materials ended up with quotes and wordings hung that appropriate places in the campus
- A Christmas crib and star was ready to welcome the students on the next working day
- The volunteers paint the bare wall adjacent to the Tagore bust . Painting the campus wall helped make the campus more beautiful.

No. of participants

50

Supporting Images/Videos













Water filled drinking pots were hung under trees in two places in the college campus for the birds.

Activities conducted

- Placing of water filled drinking pots in two key areas of the college campus
- Assigning duties to volunteers to ensure that the water pots are periodically filled with water

Preparation Strategy

Two earthen pots were bought and hung on trees using jute ropes. These were filled with water. The volunteers have grouped themselves to periodically visit the college to fill in the pots with water.

Outcome or Result of the Event

• A more humane approach is noticeable in the volunteers



- The birds are now having a pleasant time amidst the tree canopy in our campus
- More of bird whistles and bird hums can be heard in the campus even during afternoon times

No. of participants

14





Report on Rainwater Harvesting Project at Government College Mokeri

Project Overview:

In 2024, a rainwater harvesting system was implemented at Government College Mokeri as part of a government-supported initiative managed by KITCO (Kerala Industrial and Technical Consultancy Organization). The project's primary objective is to conserve rainwater and ensure its efficient use within the college premises. This system includes the installation of three storage tanks with capacities of 1,000 liters, 5,000 liters, and 5,000 liters, designed to meet the water needs of the college. The total estimated cost of the project is ₹10 lakhs.

Objectives:

- 1. **Water Conservation:** Collect and store rainwater for non-drinking purposes, reducing the dependency on groundwater and external water supplies.
- 2. Sustainable Resource Management: Support the efficient use of water resources, addressing the college's water needs in an environmentally friendly way.
- 3. **Cost Efficiency:** Reduce the operational costs associated with external water sources by utilizing harvested rainwater.

Project Details:

- **Project Implementing Agency:** KITCO (Kerala Industrial and Technical Consultancy Organization)
- Year of Implementation: 2024
- Location: Government College Mokeri, Kerala
- Total Estimated Cost: ₹10 Lakhs

Storage Tank Details:

- 1. Tank 1:
 - Capacity: 1,000 liters
 - **Purpose:** Watering plants and small-scale cleaning activities around the college campus.
- 2. Tank 2:
 - **Capacity:** 5,000 liters
 - **Purpose:** Primarily used for supplying water to college bathrooms and toilets, reducing dependency on municipal water.
- 3. Tank 3:
 - **Capacity:** 5,000 liters
 - **Purpose:** A backup water supply for periods of low rainfall, ensuring continuous water availability for plant irrigation and other uses.



Water Usage:

- **College Bathrooms:** Rainwater collected and stored in the tanks is used for flushing and cleaning in the college's bathrooms, ensuring water conservation in daily hygiene practices.
- **Irrigation:** The stored rainwater is used for watering plants in the college garden and maintaining the campus greenery.
- **Other Uses:** The harvested water also supports general cleaning purposes around the campus, such as floor cleaning and washing areas.

Cost Estimation:

The total estimated cost for implementing the rainwater harvesting system is ₹10 lakhs. This includes the procurement and installation of the tanks, piping system, water filtration mechanisms, and labor charges for setting up the system across the college.

Component	Cost (INR)
1,000-liter tank	₹50,000
Two 5,000-liter tanks	₹4,00,000
Installation & Piping	₹2,00,000
Water Filtration System	₹1,00,000
Labor Charges	₹1,50,000
Miscellaneous (Maintenance)	₹1,00,000
Total Estimated Cost	₹10,00,000

Benefits:

- **Water Savings:** The system is expected to provide a reliable source of water, significantly reducing the college's dependence on external sources by utilizing rainwater for daily non-drinking purposes.
- Environmental Impact: This initiative will help reduce water wastage, promote green practices, and support sustainable water management in the college.
- Educational Value: The project will also serve as a learning tool for students, raising awareness about water conservation and environmental sustainability.

Conclusion:

The rainwater harvesting system at Government College Mokeri, funded by the government and executed by KITCO, is a significant step toward sustainable water management. With a total project cost of ₹10 lakhs, it is expected to make a lasting impact by conserving water, reducing operational costs, and promoting eco-friendly practices on the college campus.





Bloomf





ENERGY INITIATIVES

Activities conducted

- CoK coordinator Sri. Sajeesh led the session on LED bulb making
- Volunteers made bulbs on their own
- The products were sold to office bearers and others in the society
- Process of making and marketing products got a positive thrust

Preparation Strategy

The activity was conducted in the Physics lab of the college. Necessary materials for the perfect making of the bulbs were bought and the process went on with vigour.

Outcome or Result of the Event

- Volunteers got to have a firsthand know how as to how bulbs are made
- They are now confident on making bulbs on their own
- Possibilities of entrepreneurship was also made use of
- No. of participants 30

Supporting Images/Videos





Govt College Moekri is committed to enhancing energy efficiency on campus by implementing sustainable practices. This report outlines the replacement of old ceiling fans and CFL lights with new, energy-efficient fans and LED lights. The objective of this initiative is to reduce energy consumption, lower electricity costs, and contribute to a more sustainable campus environment.

Current Situation

- **Fans:** The college currently uses traditional ceiling fans, which are energy-inefficient and outdated. These fans consume a significant amount of electricity, leading to higher energy costs.
- **Lighting:** The college primarily uses CFL (Compact Fluorescent Lamp) lights in classrooms, offices, and common areas. While CFLs are more efficient than traditional incandescent bulbs, they still consume more energy compared to modern LED lights.

Proposed Changes

- **Replacement of Fans:** The proposal includes replacing old ceiling fans with new energy-efficient models. These fans use advanced technology to provide the same level of comfort with significantly lower energy consumption.
- **Replacement of CFL Lights:** The initiative involves replacing all CFL lights with LED (Light Emitting Diode) lights. LED lights are known for their higher energy efficiency, longer lifespan, and lower maintenance costs compared to CFLs.

Expected Benefits

1. Energy Savings:

- New fans are expected to reduce electricity consumption by approximately 40-50% compared to the existing fans.
- LED lights consume up to 80% less energy than CFLs, leading to substantial energy savings.

2. Cost Reduction:

- Lower energy consumption will result in a significant reduction in electricity bills.
- The longer lifespan of LED lights and energy-efficient fans will reduce maintenance and replacement costs over time.

3. Environmental Impact:

- Reduced energy consumption directly translates to lower carbon emissions, supporting the college's sustainability goals.
- The shift to LED lights reduces hazardous waste, as LEDs do not contain mercury, unlike CFLs.



Financial Analysis

- **Initial Investment:** The total cost of replacing old fans and CFL lights with new energy-efficient alternatives.
- **Payback Period:** Estimated time to recover the initial investment through savings on electricity bills.

Street OLLEGE P.O. MOKERI

TOWARDS A GREEN AND PLASTIC-FREE CAMPUS

At Government College Mokeri , we are committed to creating a sustainable, environmentally conscious campus. Our aim is to foster a culture that promotes environmental responsibility, conservation, and a plastic-free environment. This policy document outlines our strategies and practices to achieve a green campus and reduce plastic waste, aligning with the goals of the Haritha Keralam Mission, Government of Kerala and other relevant departments.

Plastic-Free Campus:

Objective: To significantly reduce and ultimately eliminate the use of single-use plastics within the campus.

Action Plan:

• Encourage the use of eco-friendly alternatives to singleuse plastics.

• Conduct awareness campaigns to educate students, staff, and visitors on the harmful effects of plastic and the benefits of a plastic-free environment.

Waste Management:

Objective: To segregate and manage waste effectively, promoting recycling and responsible disposal practices. Action Plan:

- NSS to collect plastic and bio wastes separately and deliver them to the Haritha Karmasena for proper recycling and processing.
- Promote composting and utilisation of the biogas plant for treating bio-wastes.
- My Waste My responsibility Campaign In an effort to promote environmental sustainability and encourage responsible waste management, the National Service Scheme (NSS) volunteers of Dr. S.N.S Rajalakshmi College of Arts and Science launched the "My Waste, My Responsibility" campaign on 7/4/2023. This initiative aims to instill a sense of individual

accountability among students for the waste they generate within the college campus. Each student is encouraged to carry the waste they generate throughout the day (such as food wrappers, papers, plastic bottles) and dispose of it in designated bins. The initiative discourages littering on campus.

Biodiversity and Greenery:

Objective: To conserve and enhance the campus's green cover, biodiversity, and rare and endangered trees (RET).

Action Plan:

• Maintain a Biodiversity Park and a Rare and Endangered Trees (RET) garden.

• Encourage the plantation of more trees and maintain a fruit garden.

Community Involvement:

Objective: Engage the college community and local residents in environmentalfriendly activities.

Action Plan:

• Collaborate with Bhoomithrasena and the Botany department for environmental-friendly initiatives.

• Organise community awareness programs and tree plantation drives.

Implementation Guidelines

Plastic-Free Campus:

- All campus members must avoid single-use plastics and use reusable, eco-friendly alternatives.
- Plastic waste bins will not be provided within the campus premises.

Waste Management:

- Bio-wastes should be deposited in designated bins.
- Plastic waste should be segregated at the source before being handed over to the NSS.

Biodiversity and Greenery:

• The Biodiversity Park, Rare and Endangered Trees (RET) garden, and fruit garden shall be maintained by the NSS and other relevant departments.

• Students are encouraged to actively participate in tree plantation drives and upkeep of the gardens.

Community Involvement:

- Regular meetings and awareness programs will be conducted to engage the community in environmental-friendly initiatives.
- Collaborative efforts with local authorities and organizations for collective action towards a greener environment.

3. Monitoring and Evaluation

The NSS will conduct regular audits to assess the progress and effectiveness of the policy's implementation.

Adjustments and improvements to the policy will be made based on the audit outcomes and evolving environmental requirements.

By adhering to this policy, the institution aims to create a sustainable, green, and plastic-free campus, setting an example for responsible environmental practices and nurturing a sense of environmental consciousness in the academic community and beyond.