



S.N.M. COLLEGE, MALIANKARA

(Affiliated Mahatma Gandhi University, Kottayam)

Maliankara P.O., Moothakunnam Via, Ernakulam (DT), Kerala, India - 683516

www.snmcollege.ac.in | [0484-282386](tel:0484-282386) | principalsnmc@gmail.com

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 Institutional Values and Social Responsibilities

7.1.3: Quality audits on environment and energy regularly undertaken by the Institution.

The institutional environment and energy initiatives are confirmed through Green audit / Environment audit, Energy audit, Clean and green campus initiatives, Beyond the campus environmental promotion and sustainability activities





7.1.3 Report on Environmental Promotional Activities Conducted Beyond the Campus

Various cells and clubs, including NSS, NCC, Boomithrasena Club, and Village adoption programs, united under the Saakalya Mission "A Green Initiative of SNM to save our earth and protect the environment" to strengthen their dedication to environmental awareness and promotion through a range of initiatives that extended beyond the campus boundaries.

PUNEET SAGAR ABHIYAN CYCLE RALLY

On **August 19, 2022**, in connection with the **75th Azadi Ki Amrit Mahotsav**, the NCC unit Maliankara in collaboration with NCC unit UC College Aluva, organized a significant event named "**PUNEET SAGAR ABHIYAN AND CYCLE RALLY**" aimed at raising awareness about the crucial **importance of the ocean**. The event saw the presence of distinguished guests and officials, including Subedar Major Manoj, UC College's ANO Major Narayanan, our ANO Lt. Akhil J, PI staff from 22(K)Bn. NCC, Eloor and Pallipuram Panchayat Member Smt. Ramani. The programme started with the inaugural address of Subedar Major Manoj sir. It was Smt. Ramani, who did the flag off for the cycle rally conveyed the importance of saving the ocean to the citizens. After that cadet **cleaned the beach premises**. Additionally, the event received valuable support from Shrimathi Ramani, a respected member of the Pallipuram Panchayat. This collaborative effort successfully instilled a sense of responsibility and awareness among the participants and attendees about the urgent need to safeguard our oceans for future generations.





Pokkali Farming Workshop

To create awareness about Pokkali rice farming, Grass route organization, Nayarambalam has conducted a Pokkali farming workshop on **21st June 2022** in Sanjo Ecofarm Negugad. Students of Botany, NSS unit and Bhoomithrasena Club of SNM College, Maliankara sowed seeds in the rice field which was prepared by Rajagiri College of Social Science. The first part of the workshop was setting up of the rice field which was done by Rajagiri College of Social Science. The second step was initiated by SNM College, Maliankara, sowed the precious Pokkali rice seeds. Students from different departments especially Botany students, NSS unit members, and Bhoomithrasena Club students participated. Such endeavors play a crucial role in preserving and promoting sustainable agricultural practices while fostering a sense of appreciation and understanding for the age-old wisdom of seasoned farmers.





Haritha Karma Sena

On **March 29, 2023**, the Haritha Karma Sena of NSS Unit SNM College Maliankara enthusiastically participated in the "**Clean Muziris**" program, which was organized as a part of the Muziris Fest held in Muziris. The event garnered significant support and involvement from Block Panchayath President Resmi Anilkumar, Vadakekkara Block Panchayath Vice President Shri. Saneesh. With dedication and commitment, the volunteers **collected and disposed of the garbage following the green protocol, promoting eco-friendly practices in waste management.** The collective effort of the participants not only contributed to enhancing the cleanliness of Muziris but also exemplified the spirit of community service and environmental responsibility. This successful collaboration between SNM College Maliankara NSS Unit 47 and various stakeholders highlighted the significance of collective action in creating a cleaner and greener environment for all.





Planting Mangroves

NSS unit 47 and Research Department of Botany, SNM College Maliankara in association with M S Swaminadhan Research Foundation planted more than 400 mangroves in Malipuram beach complex on **12/12/2022**. Botany Department Assistant Professor Adhithyan, NSS PO Vipin KD, Swaminadhan Research Foundation Project Coordinator Sri.Prajeesh Parameshwaran, Kufos farm superintend Ragurag, Representative of MSSRF guided the program. Planting more than 400 mangroves is a commendable effort which shows the dedication towards environmental conservation.





World Environment Day Celebration: A Tree Plantation Programme

Various cells celebrated World Environment Day by organizing a range of activities aimed at raising awareness about environmental protection and sustainability. On **5th June 2022**, NCC unit virtually conducted a **tree plantation programme**. All the cadets planted a sapling in their home premise.



NSS volunteers distributed seedlings of various fruit plants to the students and staff who were participated, to encourage them to grow plants at their homes and planted saplings in the campus.



World Ocean Day: A Cycle Rally

On **8th June 2022**, in celebration of World Ocean Day, a cycle rally was organized to raise awareness about the critical **importance of saving the ocean and protecting the environment**. The rally saw enthusiastic participation from 10 SD (Senior Division) and 6 SW



(Senior Wing) cadets, who were deeply committed to the cause. The cadets created vibrant posters advocating for the preservation of the ocean and its biodiversity. The event was graced by the presence of esteemed guests, including the college principal, Dr. T H Jitha, and ANO (Associate NCC Officer) Lt. Akhil J., who proudly flagged off the rally. The initiative sought to instill a sense of environmental consciousness and responsibility among the participants and the community, fostering a collective commitment to safeguarding our oceans and the planet for future generations.



SHUCHITA THEERAM, SURAKSHITHA SAMUDRAM: Coastal Cleaning Campaign

60 NSS volunteers participated in the largest coastal cleaning campaign at **Kuzhupilly Beach** on 17th September 2022. The program was conducted with the presence of **Kerala Governor, ARIF MOHAMED KHAN**, and thousands of people. The program was jointly organized by NSS, NCC, and various other organisations. The program began early in the morning, the volunteers were divided into groups and assigned specific areas of the beach to clean up. Each group was provided with necessary cleaning equipment such as gloves, masks, and bags. The program was inaugurated by the Kerala Governor, who gave a speech about the importance of keeping our beaches and oceans clean. The NSS and NCC officers, provided guidance and support to the volunteers throughout the campaign. They ensured that the cleaning process was carried out safely and efficiently. The volunteers worked tirelessly throughout the day, ensuring that the entire beach area was thoroughly cleaned.



On the same day **September 17, 2022**, another coastal cleaning programme was conducted by **NCC unit of SNM College Maliankara**, at Cherai beach, in collaboration with Haritha Karma Sena, and SNVHSS 10 Nandyattukunnam, aimed to **promote cleanliness and safety of the ocean**. Total of 30 SD (Senior Division) and 20 SW (Senior Wing) NCC cadets participated actively. Under the able guidance of our ANO (Associate NCC Officer) Lt Akhil J, and with



the assistance of two PI staff from the 22 K Bn. NCC Eloor, the cadets enthusiastically cleaned the beach premises. This collaborative initiative instilled a sense of environmental responsibility and community engagement among the participants, setting a positive example for others to follow in keeping our beaches and oceans pristine and safeguarded.



Field Trip

A field trip has been conducted by the Department of Botany on **11-01-2023** to familiarize the gymnosperms at their natural habitats and to collect some species. The place selected was Kodaikanal. Our team was guided by Dr.C.N.Sunil (Research Coordinator), Dr. M.G Sanilkumar (HoD) and Mr. Shyam (Laboratory staff). The important gymnosperms collected were Pinus, Cupressus, Podocarpus and Araucaria. 16 students participated in this study trip.



Haritha Karma Sena of NSS unit SNM College conducted a **cleanliness drive** at **Moothakunnam temple** on **8th February** as part of the temple festival. It was conducted under the leadership of Vadakkekara Panchayat President Mrs. Resmi Anil Kumar and Vice President V.S. Santosh. The NSS volunteers removed plastic waste from the festival grounds as per green protocol during the Moothakunnam festival.





Distribution of cloth bags

Department of Zoology organized a meaningful activity on **March 31, 2023**, which involved the **distribution of cloth bags to residents of Ward I & II** in the adopted village. The initiative aimed to promote sustainable practices and reduce the use of plastic bags, contributing to a cleaner and greener environment. During the event, Shahmol, a member of Ward I, received cloth bags on behalf of the community from Dr. Jitha T.H, the esteemed principal of SNMC Maliankara. This collaborative effort demonstrated the commitment of the institution and its faculty towards community welfare and environmental conservation. By providing cloth bags, the department empowered the local community to adopt eco-friendly habits and furthered the cause of sustainability in the region.



Awareness Class on Energy Conservation Measures

Dept. of English initiated an awareness class with the objective of boosting the communication skills, creating awareness on energy conservation measures and environmental conservation. Our target was the development of the students of rural area (ward 1) of the adopted village through improved output. As part of Energy Conservation, III BA English students had taken an awareness class for school students of Govt LP School Pallipuram and HMYHSS LP School Kottuvallikad **on 23/2/2023, 28/2/2023**. The students actively participated in the session. It is the decision and **practice of using less energy**. Small tips and hints are given to them in order to control the wastage of energy. They participated in the quiz activity given to them. In addition to this, an interactive session was conducted to clarify the doubts of students.





Awareness Class on Environment Protection

An awareness class on environment protection was organized for the students of SNMLP School Maliankara on **3rd March 2023** at 2 PM. The class was conducted by a group of 3rd-year B.Sc Mathematics students, namely Ashapriya P A, Nikhisha M N, Aryananda T S, Aleena P A, and Sandra Santhosh, under their leadership. The session covered a wide range of subjects, including the **significance of reducing plastic production, proper disposal of plastic, waste segregation, water pollution, water conservation, drought prevention, protection of plants and trees, ensuring future survival, and maintaining cleanliness in school and home surroundings.** This was an interactive session, **using chart paper, baskets made from waste plastic pens, and flowers made from plastic covers to engage the children.** Through singing, playing games, and dancing, they created an enjoyable and interactive learning environment.





Mangrove Planting

Mangroves are salt-tolerant trees and shrubs that have flourished in the intertidal areas of sheltered shores, estuaries, and mudflats of tropical and subtropical regions. As part of village adoption programme, department of Botany **conducted conservation and restoration activities on Sathar Island.** On **27th March 2023**, a field trip was conducted. This programme was started in 2016 and since then, every year we have been visiting this area with our students to plant new saplings of mangroves. To ensure a survival rate of new saplings, we used to plant them every year and monitored the conditions of previously planted seedlings.





Distribution of LED bulbs

UG students of Department of Physics has **distributed LED bulbs and paper bags to all members of Ward 1 & Ward II of the adopted village.** Under the guidance of Dr. Sunil Kumar C P, Assistant Professor, Department of Physics, the activity was held on **19th April 2023.** LED bulbs that were distributed were assembled by the students themselves. The LED bulb making workshop that was conducted as part of energy conservation club activity in collaboration with NSS unit of SNM College, Maliankara. They also described to the members about the merits of using LED bulbs and the various ways of reducing power consumption. They have also made paper bags and have distributed the same to all nearby shops.



Webinar on the topic 'How to convert organic waste to manure'

As part of the Village adoption program, the Department of Economics organized a webinar on the topic '**How to convert organic waste to manure**' on **31st May 2023 for Kudumbasree units of Vadakkekara Panchayat in the online platform Google Meet.** Sri. Nikhil M B Head of the Department presided over the function. The resource person was Sri. K Balan, Retd. Agricultural officer, Thooneri of Kozhikkode District. He explained different methods of converting biodegradable waste to organic manure. He also demonstrated how to make manure



from food waste and plant products. Ten Kudumbasree members, six teachers, and forty students participated in the program. The webinar was followed by a question-answer session. The program started at 4.30 pm and came to an end by 5.30 pm. The program was recorded and uploaded to the department's you-tube channel. The recorded video link has been uploaded to the WhatsApp group of kudumbasree workers.



Workshop On Eco -Friendly Initiatives

To enable the students to **learn how to make useful materials from waste objects**, Department of Commerce and IIC of SNM College jointly conducted a workshop on '**Eco-Friendly Initiatives**' on **24/03/2023** at 1:30PM in seminar hall. The resource person Ajitha Murali demonstrated how to convert old jeans into handbags. The members of the adopted wards (kudumbasree members) attended the programme. They were given practice of





making useful handbags from waste jeans. Sufficient materials like jeans, scissors etc. were provided.

Malipuram Beach Cleaning Drive

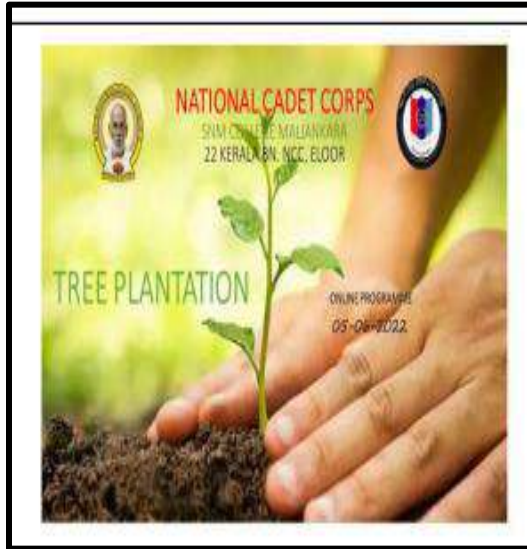
In association with **Kerala Forest Department** and **Social Forest Division Ernakulam**, 30 NSS volunteers cleaned Malipuram Beach by collecting the plastic wastes accumulated in the KATTADI plantation grown at Malipuram Beach. This program was inaugurated by college Principal Dr. T H Jitha. Assistant Conservator of Forest officer A Jayamadhavan, Ernakulam range officer M K Renjith, NSS Programme officers Dr. V C Resmi, Sri. K D Vipin, Deputy Rangers Srikanth, Forest officer Sreekumar took initiative on this program. Wastes segregated and disposed properly.





Environment Day Celebration: Tree Plantation

On **5th June 2022**, the NCC unit of SNM College, Maliankara virtually conducted a tree plantation programme. 72 cadets planted a sapling in their home premise.



Waste Management Assessment Survey

A waste management assessment survey was accomplished for North Paravur Municipal Corporation by NSS volunteers of SNM College Maliankara. That survey has covered all houses of around 29 wards. On the first day, Saturday (**6-11-2021**), around one hundred and ten NSS volunteers participated. Shyamala Govindan, Chairperson of the Health Standing Committee of Paravur Municipality, inaugurated the survey proceedings. City Councilor Jahangir, Health Inspector Jinci Lazar, Junior Health Inspector Anoop Kumar AM etc. gave necessary instructions to the students for conducting the survey. The students collected information about existing waste management practices from every house in 29 wards. Around 8000 houses visited by NSS Volunteers and handed over the report to municipality.



Kuzhuppilly- Munabham Beach Cleaning

ON 28th and 29th December 2021, NCC cadets of SNM College Maliankara cleaned Kuzhuppilly and Munabham Beaches as part of “PUNEET SAGAR ABIYAN”. The program were inaugurated by the panchayath president Smt Ramani. The program were coordinated by ANO of SNM College Maliankara Lt Akhil J. 55 cadets were participated on the program.



DISTRIBUTION OF VEGETABLE SEEDS

On behalf of Village Adoption programme, 17 students on **14-02-2022** Department of Economics distributed vegetable seeds to Kudumbasree units of Vadakkekara panchayath in association with the Krishi Bhavan, Vadakkekara panchayath.



Restoration of Mangroves

A field trip was conducted on **18th December, 2021** as part of conservation and restoration of mangrove ecosystems at Sathar Island. This programme was started in 2016 and since then, every year we have been visiting this area to **plant new saplings of mangroves**. As the survival rate of new saplings are depending upon the prevailing conditions, we used to plant it every year. Many plants that we sow earlier have attained a height of 4 ft. A fisherman of this locality,



Sri. Francis who is the care taker of mangroves in this area, helped us in the conservation programme.





കേരള കാമുദി
 - Ernakulam 22 Dec 2021

കണ്ടൽ ചെടികളുടെ സംരക്ഷണം ഏറ്റെടുത്ത് വിദ്യാർത്ഥികൾ

പനവൂർ: മാലയാളം എസ്.എൻ.എം കോളേജ് ബോട്ടണി വിഭാഗം വടക്കൻകര സന്താർ ഗ്രാമീൻ വിദ്യാർത്ഥികളുടെ നേതൃത്വത്തിൽ കണ്ടൽ ചെടികൾ നട്ടുപിടിപ്പിച്ചു. പരമ്പരാഗത മത്സ്യത്തൊഴിലാളിയും കണ്ടൽ ചെടികളുടെ സംരക്ഷകനുമായ പള്ളിയിൽ ഫ്രാൻസിസ് തന്റെ പുരയിടത്തിൽ നട്ടു പരിചരിക്കുന്ന കണ്ടൽ ചെടികളെക്കുറിച്ചും കണ്ടൽക്കാടുകളുടെ സംരക്ഷണത്തിന്റെ ആവശ്യകതയെ സംബന്ധിച്ചും വിദ്യാർത്ഥികളുമായി സംഘടിച്ച് 2004ലെ സുനാമിക്ക് ശേഷം കണ്ടൽക്കാടുകളുടെ പ്രസരത്തിന് വിവിധയിനം കണ്ടൽച്ചെടികൾ, അമ്പലമുക്ക്, പൂർവ്വകരുതകൾ എന്നിവയെക്കുറിച്ച് വിദ്യാർത്ഥികൾക്ക് ഫ്രാൻസിസ് വിഭാഗം നൽകി. ബോട്ടണി ബിരുദ, ബിരുദാനന്തര വിദ്യാർത്ഥികളായ അമ്പതിലധികം വിദ്യാർത്ഥികൾ പങ്കാളികളായി കോളേജിന്റെ നേതൃത്വത്തിൽ പരമ്പരാഗതമായി ബോട്ടണി വിഭാഗം തിരിച്ചു സ്ഥലങ്ങളിൽ കഴിഞ്ഞ രണ്ടു വർഷക്കാലമായി കണ്ടൽ ചെടികൾ നട്ടുവളർത്തുന്നുണ്ട്. അദ്ധ്യാപകരായ ഡോ. എ.ജി.സനീൽകോർ, ഡോ. ഇ.സി. ബൈജു, ഡോ. എ.എസ്. സിമി, ഡോ. വി.എസ്. തുണ്ടര, അനൗദ്യോഗികമായി എത്തിച്ചേർന്ന നേതൃത്വം നൽകി.



കണ്ടൽ ചെടികളെക്കുറിച്ചും അമ്പലമുക്ക് പൂർവ്വകരുതകൾ സംബന്ധിച്ചും വിദ്യാർത്ഥികളോട് പരമ്പരാഗത മത്സ്യ തൊഴിലാളിയായ പള്ളിയിൽ ഫ്രാൻസിസ് വിഭാഗം സംസാരിച്ചു.

KERALA KAMUUDI PAPER
 Dipping Kerala Kamudi - Ernakulam

District wise Plastic Free Campaign NAVAKERALA PURASKARAM

NSS unit of SNM College became the part of NAVAKERALA PURASKARAM, a district wise **Plastic Free Campaign** under the banner of District Suchitwa Mission on **18th September 2021**. **“Don’t Burn Plastic and Don’t Become Sick by Burning’** was the campaign which was inaugurated by Honourable Industrial Minister Sri. P Rajeev, handed over the mission to NSS PO, Dr. V C Resmi and Sri K D Vipin, NSS unit secretary Shahir Mohamed T M and other 24 volunteers. The mission was to give awareness to the people in nearby **four villages** such as **Vadakkekara, Chendamangalam, Paravoor, Eloor** about the side effects of burning plastic.





NSS Volunteers: Unsung Heroes in the Battle Against COVID-19

NSS Volunteers of SNM College, took part in daily **data entry of covid test and did communication with covid patients over phone for knowing their current situation and details**. Public could get vaccine without much waiting in the vaccination center. NSS Volunteers did this remarkable service while the medical sector was facing shortage of Covid Health workers and family members of Covid patient were afraid to approach their own family members. This became a yearlong programme and every day alternative group of few volunteers reached at the health center and worked with the medical staff there.



Covid Vaccination Duties at CHC Moothakunnam from 16/06/2021 to 05/10/2021



Field Trip

A field trip has been conducted to Gulf of Mannar National Park, Rameswaram, by the Department of Botany SNM College on **22-03-2022** to familiarize the natural habitats of algae. A team of 20 students was guided by Prof. C N Sunil (Research Coordinator), Dr. M.G. Sanilkumar (Assistant Professor and HoD), Dr Baiju E.C (Assistant Professor). We collected 26 species of algae belonging to Cyanophyceae, Chlorophyceae, Phaeophyceae and Rhodophyceae from different places of Rameswaram (Madapam, Nochiyurani, Puthumadam about 7.30 am to 12.00 pm during the lowest low tide.



Department of Botany S N M College Maliankara organized a field trip to Munnar and Kodaikanal on **27th March 2022 to 30th March 2022**. The tour comprised students of B Sc 6th semester accompanied by faculty members, Dr.M G Sanil Kumar, Dr. E C Baiju, Dr. Simi M S and M S. Jesty from Department of Botany. We travelled to Munnar in order to observe the flora and involve in collection of plant specimens for herbarium preparation.

Wild Life Week Celebration- National Webinar

As a part of **Wild Life Week Celebrations**, the department of Zoology organized a four-day **National Webinar to increase awareness of world's wildlife**, from **5th October 2020 to 8th October 2020** through Google meet platform.88 students participated in the Webinar. The sessions were handled by Dr. AmithaBachan K. H., Assistant Professor of Botany, MES College, Kodungalloor on **“Hornbills the Guardians of Future Earth”**, Dr K. A. Jayaraj



Assistant Professor, Department of Ocean Studies and Marine Biology Pondicherry University on Marine Benthic Diversity, Dr. M. J. Mathew, Assistant Professor and Head, Department of Zoology, Sacred Heart College, Thevara on spider diversity of Western Ghats and Dr. Maina Umaiban Assistant Professor of Malayalam, MES Mampad College Malappuram.

Environment Day Celebration by Planting Saplings

Environment day was celebrated by NSS unit by planting saplings to **create an understanding about the importance of plants in society** on **5th June 2020**. A photography competition was also conducted a on the topic “**Nammude Haritha Naddu (Our Green Land)**”. The competition was conducted for all students of our college. The competition was conducted through SNM virtual campus.





World Ozone Day Celebration: Poster Campaign

World Ozone Day was celebrated by the volunteers of NSS unit on **16th September 2020** by conducting **Poster Campaign for public awareness**. These posters were published on several social media platforms. The program was conducted to **develop a sense of social and environment responsibility among students**. The posters contained data on the dangerous effects of ozone layer depletion and the care that should be given for our mother Earth to sustain from the dangerous effects .



National Webinar- Floristic Diversity and Ethnobotany of Himalayas and Western Ghats

A National Webinar on Floristic Diversity and Ethnobotany of Himalayas and Western Ghats was jointly organized by the Department of Botany, SNM College, Maliankara and Nethaji Nagar Day College, Kolkata on **16th October 2020** through the Google Meet Platform. 90 students were benefited from this program. **Participants got an opportunity to interact and share their thoughts on biodiversity in two entirely different ecosystems of India**. The sessions were handled by Dr Abhaya Prasad Das on “Ethnobotany: The Traditional Knowledge Base of Human Society: Special Reference to the Eastern Ghats” and Dr P. Sujanapal, Senior Scientist, Kerala Forest Research Institute, Pechi, Kerala, on the topic “Western Ghats: The evergreen world of Flowering Plants”. Both stressed the need to protect nature and investigate nature for healing ourselves and the importance of holding strong to our roots.



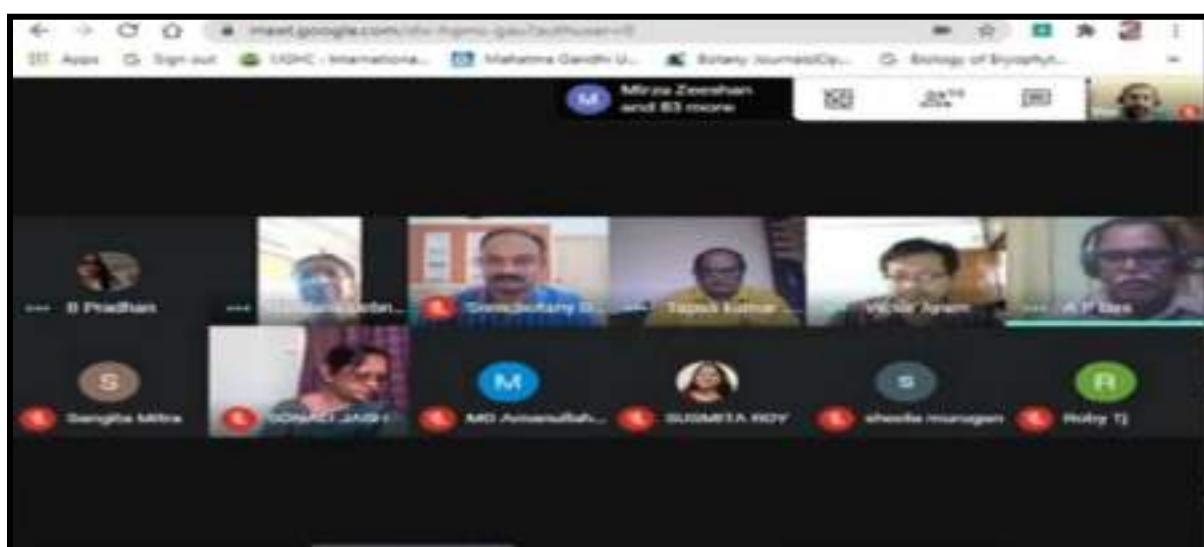
Webinar on Floristic Diversity and Ethnobotany of Himalayas and Western Ghats

Organized by SNM College, Maliankara, Kerala in association with Nirlajit Nagar Day College, Kolkata, W. Bengal on 16.10.2020

Programme Schedule

- 9:30 am Registration
- 9:55 am Prayer
- 10:00 am Inauguration
 - Dr. Bhadraki Pradhan (Assistant Professor, IITDGI)
 - Prof. Abhay Prasad Das (Adjunct Professor, Biju Cancer University, Bhubaneswar, Odisha)
 - Dr. Suresh Bhargava Jadh (SNMCC)
 - Dr. M.G. Bhargava (SNMCC)
- 10:15 to 11:40 am Technical Session I: Ethnobotany: The Traditional Knowledge Base of Human Society: Special reference to Eastern Himalayas. Resource Person: Prof. Abhay Prasad Das
- 11:50 am to 1:00 pm Technical Session II: Western Ghats: The Evergreen World of Flowering Plants. Resource Person: Dr. A. Sengupta
- Vote of Thanks: Ms. Asha, A. (Assistant Professor, SNMCC)

Professors of SNM College, Maliankara: Dr. Suresh Bhargava Jadh, Dr. M.G. Bhargava, Dr. Suresh Bhargava Jadh, Dr. M.G. Bhargava, Dr. Suresh Bhargava Jadh, Dr. M.G. Bhargava



HARITHA KARMA SENA – Green Army

Under the umbrella of SAAKALYA, comprising first-year and second-year students, a Green Army was established called **Haritha Karma Sena** with the mission **to raise consciousness about the environment and take concrete actions to protect it**. The formation of the Haritha Karma Sena was a significant initiative aimed at promoting awareness of environmental issues and advocating for sustainable solutions. Members of the Haritha Karma Sena dedicated their time and effort to cleaning public spaces, actively engaging in the removal of plastic waste from these areas. Working in collaboration with local authorities, they systematically managed and disposed of the collected plastic waste, ensuring it did not harm the environment further. In a symbolic gesture of their commitment, the volunteers of the sena took a solemn pledge to maintain cleanliness in their surroundings. Through their collective efforts, the Haritha Karma Sena demonstrated their unwavering dedication to



preserving the environment and spreading the message of responsible environmental management.

Clean Our Surroundings

As part of Seven-day camp (15/01/2021 to 21/01/2021), NSS unit of SNM College cleaned Moothakunnam Temple premises and Moothakunnam Junction.



NSS unit of SNM College participating in the cleaning program at Moothakunnam Junction



World Water Day Celebration

As part of World Water Day, NSS Volunteers prepared SAMBARAM and distributed it to the students, teachers and to the non-teaching staff in the college campus on **22 March 2021**.

Giving a drop of water to a thirsty person is praiseworthy work.



Participating in the distribution of sambaram in the college campus

Also, free water was distributed to quench the thirst of the people residing in the Moothukunnam area on 22 March 2021. Also, Curd water was specifically provided for the residents, offering them a refreshing and nutritious option. This initiative brought immense relief and comfort to the people of Moothukunnam who were in need. The distribution of water was extended to various sections of the community like Auto drivers, hardworking road workers, school children, traffic police and others all benefited from this generous supply of water.



Participating in the Distribution of water at Moothakunnam Junction

Thullivellam Kilikalkkaayi (A Drop of Water to Birds)

NSS Unit organized a program titled "Thullivellam Kilikalkkaayi" on 22nd March 2021, to create awareness about the importance of providing water sources for birds during the scorching summer months. The event aimed to promote compassion towards our feathered friends and encourage community to actively participate in preserving the environment.





Field Trip

For **understanding rain-forests and plantations**, 20 students from Botany department visited Nelliampathy Hill Station in the Nenmara Forest Range, Palakkad on **21st and 22nd June 2019**. Dr. E.C. Baiju, Assistant Professor and Ms. Lakshmi, Guest faculty guided the field visit. This trip was arranged with a view to provide the students, with practical exposure to diverse plant species, ecosystems, and natural habitats in Nelliampathy, thereby deepening their understanding of plant biology and ecology,



Environment Day Celebration: Distribution of Plant Saplings

On behalf of World Environment Day Celebration, NSS unit organized an awareness campaign by distributing plant saplings to households located in the college's vicinity on **June 6, 2019**. The program is coordinated by C P Sunil Kumar NSS PO, aimed **to foster a sense of environmental responsibility and advocate for sustainable development**. With the participation of 80 individuals, the event exemplified the significance of World Environment Day as a global platform to address pressing environmental issues.



The World Population Day Celebration: A Rally to the Adopted Village

As part of World Population Day Celebration, **the NSS volunteers lined up on map model of India on July 11, 2019.** The event aimed to shed light on the complex challenges posed by population growth and emphasize the need for responsible and sustainable development. The event also included a **Rally to the adopted village** to educate people including around 200 students and local people, about the **significance of population control for the well-being of society and the environment.**



‘Malabarioru Kaithangu’ NSS SNM College Maliankara Volunteers Extend Helping Hand to Kerala Flood Victims

To provide relief to families who had lost everything in the 2019 flood at Nilambur, our volunteers handed over essential home items like plates, glassware and other utensils to the families in need. The funds for these supplies were collected from generous contributions made by our students and teachers. With a team of 50 participants, the volunteers wholeheartedly



engaged, for 2 days from 16.8.2019 to 17.8.2019, in cleaning muddy houses and repairing damaged roads to provide relief to those who had lost their homes and belongings.



ശുചീകരണത്തിനായി എസ്.എൻ.എം. കോളേജിൽ നിന്ന്

പറമ്പൂർ > നിലമ്പൂരിലെ പ്രളയ ബാധിത പ്രദേശങ്ങളിൽ ശുചീകരണത്തിനായി മാധ്യമകര എസ്.എൻ.എം. കോളേജിലെ എൻ.എൻ.എസ്., എൻ.സി.സി., കോളേജ് യൂണിയൻ ഹെൽപ്പർമാർ സംഘം ചുറ്റപ്പെട്ടു. ശുചീകരണത്തിന് ആവശ്യമായ എല്ലാ വസ്തുക്കളും ഉൾപ്പെടെയാണ് കോളേജ് വാഹനത്തിൽ ഇവർ യാത്ര ചെയ്തത്. ശുചീകരണത്തിന് എസ്.എൻ.എം. കോളേജിൽ നിന്ന് ഓഫ് ചെയ്ത കോളേജ് മാതൃകാർ എം.ആർ. മേനോൻ, പ്രിൻസിപ്പൽ ഡോ. കി.എം. ഗുരുദാസ്, സി.സി. സ്വന്തംകുമാർ, കോളേജ് യൂണിയൻ ചെയർമാൻ കി. സുനിൽ എന്നിവർ പ്രസംഗിച്ചു.

നിലമ്പൂരിലെ പ്രളയബാധിത പ്രദേശങ്ങളിൽ ശുചീകരണ പ്രവർത്തനങ്ങൾ നടത്താൻ മാധ്യമകര എസ്.എൻ.എം. കോളേജിൽ നിന്നുള്ള ഹെൽപ്പർമാർ ചുറ്റപ്പെട്ടപ്പോൾ

Ozone Day Celebration: Awareness Class and Planting of Seedlings

Various cells and clubs came together to celebrate World Ozone Day by organizing a range of activities aimed at raising awareness about the importance of ozone protection and fostering a sense of social and environmental responsibility among the participants.

On **September 16, 2019**, NSS Unit organized an awareness class about ozone and planting of seedlings in the college campus and surroundings, both of which aimed to educate and inspire



the volunteers to actively **contribute to the preservation of the ozone layer and take responsibility for the well-being of the environment.**



NSS Day Celebration: Rally and Cleaning Drive

With 200 participants in attendance, the event aimed to celebrate the NSS golden jubilee and promote the core values of community service among the youth. As part of NSS Day Celebration, NSS Volunteers **conducted a Rally and a cleaning drive outside the campus** to inspire and encourage young individuals to actively engage in community service.



Seaweed Exhibition and Workshop

The Research Department of Botany organized a one-day Seaweed Exhibition and Workshop on **October 9, 2019**. The event drew the active participation of 38 students and 3 teachers from DD Sabha High School in Karimbadam, N. Paravur and St. Augustine High School in Njarakkal. The main objective of the program was to create awareness about Seaweeds and hands on training session to identify algae using bright field microscope. The workshop was structured into three technical sessions, **covering various facets of algae** with Introduction to the world of Algae, Preface of various algal culture techniques and its application, Familiarization of Phase contrast microscope and its application in algal studies. All the participants were visited the Algal Culture Lab of the department. All the students excitedly observed the specimens collected from the field through the Phase contrast microscope. The research scholars delivered a brief lecture on various algal culture techniques. The school students were **able to observe different microscopic and macroscopic algae**. They were also given insight into various algal culture techniques and handling of bright field microscope.



Additionally, participants were provided insights into algal culture techniques, fostering a deeper understanding of these organisms.

S. N. M. COLLEGE, MALIANKARA		<small>Research Department of Botany S. N. M. COLLEGE, MALIANKARA</small>	
EXHIBITION ON MARINE PLANTS OF KERALA & HANDS ON TRAINING FOR SCHOOL STUDENTS			
Programme Schedule			
Session I (10.00 am to 11.15 am - Marine Plants Exhibition at the Department of Botany)			
Session II (11.30 am to 12.45 pm - Hands on training in Algal studies for High school students)			
Prayer			
Welcome Speech	Ms. Lakshmi P <small>(Asst. Professor, Department of Botany)</small>		
Insituration	Dr. C.M. Sreeth <small>(Principal, SMM)</small>		
Felicitaton	Dr. C.N. Sunil <small>(Associate Professor (BSc) & Research Guide)</small>		
Vote of Thanks	Dr. Raja EC <small>(Asst. Professor, Department of Botany)</small>		
		Dear Friends, <p>Algae are considered to be one among the most valuable plant creatures in the world. The algae change the atmosphere of the planet, generate the land plants. They provide half of the planet's annual oxygen supply and are directly responsible for all seafood and indirectly responsible for all land food. They help supply fixed nitrogen to support life on the planet.</p> <p>Marine Plants are commonly called as Seaweeds, which refers to species of macroscopic, multi-cellular marine algae. The term includes different species of red, brown and green macroalgae. Seaweed species provide essential nursery habitat for fisheries and other marine species and thus protect food sources. Other group is, microscopic algae, play a vital role in capturing carbon, producing up to 90% of Earth's oxygen. Understanding these roles offers principles for conservation and sustainable use.</p> <p>In this context, it is our great pleasure to invite you to an exhibition on Marine plants (Seaweeds) of Kerala and Hands on training for high school students for providing awareness and various applications regarding algae. The high school students of DD Saha School, Kakkerbadim, will be attending this programme.</p> <p>Since the Department of Botany having an ample collection of seaweeds along the Kerala coast, we are extremely happy to invite you to this exhibition.</p> <p style="text-align: center;">With warm regards,</p> <p>Dr. M.G. Santhosar (Head of the Department)</p> <p style="text-align: right;">Ms. Lakshmi P. (Convener, Botany Association)</p>	
		Maliankara	04192019





Gandhi Jayanti Celebration

NSS Unit Organized a cleaning program on **October 2, 2019** as part of Gandhi Jayanti Celebration under the guidance of NSS POS. The program was aimed at promoting values of cleanliness, hygiene, and environmental stewardship among the volunteers. The program started with an oath of hygiene. After that they cleaned SNM LP School in the adopted village. With the participation of 100 volunteers, the event aimed to instill the principles of Gandhi and **create awareness about sustainable practices and a greener future.**



Nature Study Trip

To provide students with a hands-on understanding of the environment, moving beyond the traditional classroom teaching, the department of Malayalam organized a **Nature study trip to Mangalavanam in Ernakulam on October 15, 2019**. The teachers Mrs. Viji M P, Sangeetha Tiruval and Sri. Shibin Das accompanied the students. Such trips help in reinforcing the importance of nature among students and help them to reflect on the destructions being pelted on nature by anthropogenic activities. Such visits also help in creating a nature friendly lifestyle among students. The initiative succeeded in providing participants with valuable insights into environmental issues and fostering a deeper connection with the natural world.



NSS Seven Day Camp: Agricultural Awareness Programs

As part of NSS "Seven Day Camp," from **October 20 to October 26, 2019**, 99 volunteers had gone through different **Agricultural Awareness programs** with a clear objective of cultivating a sense of responsibility, environmental consciousness, and self-sufficiency among the students while fostering a deeper connection to the agricultural sector. The event kicked off with a visit to Prof. Rameshan's farm to **gain first-hand knowledge of agricultural activities and scientific farming methods**. This experience helped them to **understand techniques like drip irrigation, low-cost labor-intensive farming and organic farming**. Inspired by their visit and armed with newfound knowledge, the students decided to put theory into practice. They initiated **farming activities on a one-acre plot within the college campus**. Also held a



Proclamation Rally to the adopted village, during which volunteers carried placards raising awareness about crucial social and environmental issues. Another local community engagement was the cleaning drive done in **Muthakunnam Manibasar Road, both sides of the road were cleaned for ensuring safer night travel for residents.** Further, NSS volunteers, in collaboration with Vadakkekara Krishibhavan, **distributed vegetable samples to houses in the adopted village, promoting kitchen gardening.**



Field Trip

A **field trip** has been conducted by the department of Botany on **29-11-2019** to familiarize the gymnosperms and to collect some species. The place selected was Kodaikanal. Our team was guided by Dr.C.N.Sunil (Research guide), Dr. M.G.Sanilkumar (HoD) and Dr.Baiju.E.C

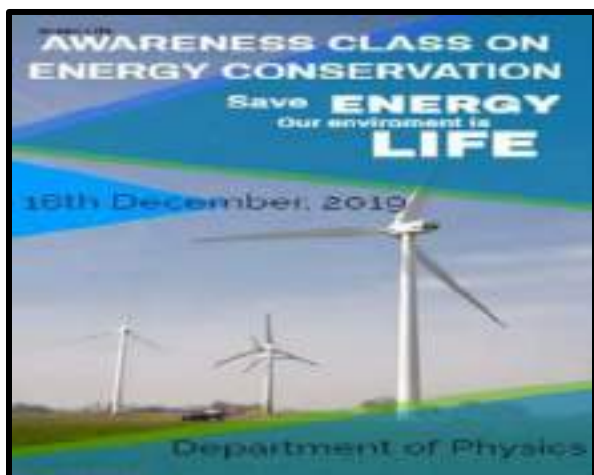


(Assistant Professor). The important gymnosperms collected were Pinus, Cupressus, Podocarpus, Araucaria.



Awareness Class on Energy Conservation

The Department of Physics organised an **enlightening awareness session on energy conservation**, catering to both students and the public, on **December 16, 2019**. The session was facilitated by Mr. Biju. P, Assistant Engineer at KSEB, Moothakunnam. The class encompassed a range of topics, including efficient energy conservation techniques, essential safety precautions when dealing with electricity, and simple strategies to curtail electricity bills. Nearly 27 students were benefited by the programme. After the informative session, the students, under the guidance of concerned faculty members, initiated an **energy conservation campaign** spanning approximately 200 houses within the adopted village.



Green Protocol Collaborative Initiatives with Local Self Government

To raise public awareness about the negative consequences of single-use plastic bags, NSS Unit 47 of SNM College **crafted around five hundreds of eco-friendly newspaper bags**. And then **distributed these alternatives to local shopkeepers at Moothakunnam** on **February 2020**, offering a practical solution to the problem of plastic waste. The initiative not only addressed the growing environmental concerns associated with plastic but also encouraged a shift towards more sustainable practices.

In collaboration with the Vadakkekara Grama Panchayath, NSS and NCC volunteers enthusiastically joined the **Green Protocol campaign** as part of Moothakunnam Temple Festival. Also, NSS unit of SNM College actively participated in **the Green Protocol cleaning program at Moothakunnam Temple** during the temple festival, with a special emphasis on ensuring the temple and its surroundings were completely free from plastic waste. This was a significant step forward in promoting sustainable practices, reducing plastic waste, and a collective commitment to community welfare.



NSS Volunteers of SNM College Distributing Paper Bags to the Shopkeepers





NCC and NSS units of SNM College in Green Protocol Campaign with Vadakkekara Panchyath Officials



NSS volunteers in the Green Protocol Cleaning Drive at Moothakunnam Temple Festival

Plastic Waste Removal in the Adopted Village on 23.12.2019



Plastic waste, once discarded after serving its purpose, poses a significant environmental challenge as it never truly degrades and persists on the landscape for several years. Although plastic waste is mostly recyclable, the process of recycling often introduces harmful additives and colors to the products. This exacerbates the environmental impact, leading to more concerns about plastic pollution, especially in the selected wards where the problem is particularly severe. In response to this pressing issue, students from the department of Zoology took the initiative to raise awareness among local residents about the detrimental effects of plastic on the environment. They **actively engaged with the community, highlighting the importance of reducing plastic usage and promoting eco-friendly alternatives. Additionally, the students undertook a commendable effort by collecting plastic waste from the adopted wards and responsibly handing it over to a recycling unit located in Chendamangalam, North Paravur.**



Environment Day Celebration by Planting Saplings

NSS unit of S.N.M College Maliankara organized the activity of **tree plantation** on **5th June, 2018** on occasion of Environment Day. The activity was inaugurated by Sri.T.S Rajeev our Principal by planting Mango tree inside the campus. The motto of this activity was the awareness to Go green and plant more trees to make our environment safe. **Around 200 plants were planted by NSS Volunteers in campus and in the Adopted village.**



From Calamity to Cleanliness: NSS Volunteers' Post-Flood Waste Collection

After the devastating flood 2018, one of the major concerns which arose was that of the waste management. NSS unit of SNM College took over the waste management drive initiated by Vadakkekara Panchayath and Health Department. NSS unit was successful in collection and management of safe disposal of the waste materials from the flood affected area. As part of the cleaning drive, NSS unit collected waste from around 400 households in just two days. Nearly 100 volunteers worked tirelessly in this cleaning drive.





Post-Flood Waste collection at Vadakkekara Panchayath on 22-23 August 2018

Gathering Hope: Joining the "Re-Build Kerala" Initiative

In September 2018, after the devastating flood, NSS Unit 47 of SNM College Maliankara demonstrated unwavering commitment and compassion by joining forces with the "Re-build Kerala" initiative. In this project, 120 dedicated volunteers undertook a door-to-door campaign within the Chittatukara Panchayath region. Their mission was to collect crucial information regarding the extent of damages suffered by the local residents during the devastating floods. Remarkably, in just two days, these students managed to gather valuable data from approximately 3000 households. Their tireless efforts not only showcased the power of collective action but also played a vital role in aiding the recovery and rebuilding process for the affected community. Their actions exemplify the spirit of unity and resilience in the face of adversity that defines the human spirit.



door-to-door campaign in Chittatukara Panchayath on 5-6 th September 201

Chekkutty Making Workshop

To foster a sense of unity and support for the flood-affected weavers of Chendamangalam, and to cultivate humane values in the participating students, Bhoomithrasena Club organized the "Chekkutty Making Workshop" on **December 6th, 2018**. The project aimed at **upcycling Chendamangalam sarees into dolls**, embodying the spirit of survival. This one-day workshop on Chekkutty making, resulting in the creation of 675 dolls by enthusiastic student participants. The Chekkutty dolls became a symbol of solidarity and resilience, embodying the spirit of Kerala people's determination in the face of adversity.



Seeds of Renewal: NSS Volunteers' Endeavors in Restoring Agricultural Lands

The Agricultural Revival Project led by NSS volunteers had a clear objective: **to transform flood-affected lands into productive agricultural areas capable of sustaining crop cultivation**. After the devastating floods in our locality, under the guidance of Vadakkekara Panchayat, Chittattukara Panchayath, and Vadakkekara Service Cooperative Banks, NSS of SNM College joined the process of **renovating the agricultural fields** by undertaking tapioca farming on approximately one acre of land in Chittattukara Grama Panchayath also cultivated **cabbage** and **cauliflower** in the Vadakkekara Panchayat area. The involvement of Vadakkekara Agriculture Officer, Mrs. Divya, added practical insights to the project, resulting in the planting of around a thousand plants and the acquisition of valuable farming knowledge by each participant.





Hands-On Relief: NSS Volunteers' Contribution to Rebuild Kerala After the 2018 Floods

NSS volunteers took a proactive approach and played a crucial role in the reconstruction efforts, with the main focus being the **construction of nine houses for the flood-affected families**. For **seven days from 22.12.2018 to 27.12.2018**, these dedicated volunteers camped near the affected houses, worked tirelessly in the construction activities. Alongside skilled laborers, the NSS volunteers actively **brought stone and sand to the construction site**, providing valuable assistance in the rebuilding process. In addition to their physical contributions, the **volunteers offered heartfelt emotional support to those who had suffered significant losses due to the flood**. The local community wholeheartedly supported the NSS



volunteers' activities, and the sense of unity among all participants was remarkable



Brightening Maliankara: A Step Towards Eco-Friendly Lighting

To reduce environmental pollution in our locality, the NSS unit conducted an energy conservation survey in Maliankara, our native village. The survey revealed that most people were using CFL and incandescent lamps, and unfortunately, many of these expired lamps were



being improperly disposed of in nearby streets and other places. This improper disposal was leading to contamination of the atmosphere, causing harm to the environment. NSS unit took the initiative to raise awareness among the community about the environmental impact of discarding used CFL lamps in public spaces. NSS and the Department of Physics jointly organized a **workshop called "Make Your Own LED"** at our college, inviting both students and local residents to participate. The resource person, Mr. Sabir, operator engineer, KSEB, Malappuram handled the training session. The workshop empowered our volunteers and participants to create more than 200 LED bulbs. These LED bulbs were then made available to the community at an affordable price, making it easier for everyone to switch to a more environmentally friendly lighting option.





LED Bulb Making on 6th March 2019

Nurturing Nature's Protectors: Planting Mangroves in Flood-Prone Regions

Recognizing the ecological significance of mangroves in flood-prone regions, the NSS Unit embarked on an ambitious mission to **plant mangrove seedlings in the flooded area of Vadakkekara Panchayat**. To ensure the success of this initiative, the NSS volunteers collaborated with local environmental experts to identify suitable locations for mangrove plantation. The NSS volunteers also engaged in **awareness campaigns within the local community**. They organized **workshops and interactive sessions to educate the residents about the vital role of mangroves** in mitigating floods, preserving biodiversity, and safeguarding coastal areas from erosion.





Mangrove Planting at Sathar island on 2nd February 2019

Reviving Wells, Renewing Hope: NSS Volunteers' Water Purity Initiative After the Floods

The devastating floods that struck the Paravur region in **August 2018** left a trail of destruction, rendering many wells unusable due to contamination. Despite chlorination attempts, people remained apprehensive about using well water. The NSS volunteers took the initiative to **collect water samples from the flood-affected houses**, with the valuable support of the Kerala Pollution Control Board and Paravur Municipality for scientific analysis.

