



BEST PRACTICE I

TITLE OF THE PRACTICE:

VILLAGE ADOPTION PROGRAMME

(Gramodharanam Kalalayavidyarthikaliloode)

SNM College, Maliankara is located in the village of Maliankara with its vast population belonging to the socially and economically backward classes. The Village Adoption Programme, a heartfelt initiative undertaken by SNM College, Maliankara as part of its commitment to foster community development and sustainable growth, as the institution firmly believes in extending its educational prowess beyond the classroom walls to create a positive and lasting impact on the society. The programme was initiated as a proactive response to address multifaceted societal and environmental challenges while embracing the principles of the Sustainable Development Goals (SDGs) set forth by the United Nations. The programme sought to promote sustainable development, inclusivity, and socio-economic progress within the adopted village, the Wards I and II of Vadakkekara Gramapanchayath.

The programme was strategically designed to align with the Sustainable Development Goals (SDGs). The initiative aimed to foster sustainable development within the adopted village, addressing a range of critical global challenges in line with the SDGs.

THE OBJECTIVE:

Aligning the village adoption programme with the United Nations Sustainable Development Goals (SDGs) demonstrates a commitment to addressing global challenges and promoting sustainable development. The Programme aims to collaborate with and support the adopted village to uplift its residents through education, healthcare, skill development, and overall well-being. By forging a strong bond with the community, the college seeks to empower and equip the villagers to lead better lives and contribute meaningfully to society. The programme also helps to equip and familiarize the students and faculty with the socio-economic dimensions of the rural community and to make the students more socially responsible. It is the obligation of



every institution to upbring their students by giving them a chance to experience the reality of the society. Being a part of this programme, students will get an insight into the real world and the issues confronted by the common people which will make them more responsible citizens in future.

The objectives of the Village Adoption Programme aim to integrate the principles of sustainable development, ensuring that the programme contributes to the achievement of the SDGs and promotes a more sustainable and equitable future.

THE CONTEXT

The higher education institutions in India are mostly involved in teaching and research but rarely in community engagement. 'Village Adoption' can be one of the ways for institutions of higher learning to have regular development engagement with rural community. The college initiated this programme to develop the village through the students. This programme aims at taking students from classroom to the real world outside. In the modern world, where students are getting more and more self-centered, it is really a challenge to drive the younger generations towards community service.

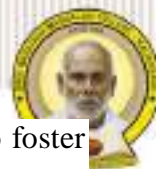
THE PRACTICE

➤ METHODOLOGY

The programme was structured through a participatory and consultative approach, involving collaboration with the Vadakkekara Gramapanchayath (the local self-government), community representatives, and various stakeholders. A need assessment was conducted to identify key areas of intervention and opportunities for sustainable development.

➤ VILLAGE SELECTION AND ENGAGEMENT

The selection of the adopted village involved careful consideration of socio-economic indicators, vulnerability, and willingness of the community to engage in the programme. Thus, Wards I and II of Vadakkekara Gramapanchayat were selected for the programme.



considering all the factors. An inclusive engagement process was implemented to foster ownership and active involvement of the community throughout the programme.

➤ **ALIGNMENT WITH SDGS**

The Village Adoption Programme was strategically mapped to the 17 SDGs to ensure comprehensive coverage and meaningful impact. Key 11 SDGs addressed include:

- SDG 1 NO POVERTY
- SDG 2 ZERO HUNGER
- SDG 3 GOOD HEALTH AND WELL BEING
- SDG 4 QUALITY EDUCATION
- SDG 5 GENDER EQUALITY
- SDG 6 CLEAN WATER AND SANITATION
- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 8 DECENT WORK AND ECONOMIC GROWTH
- SDG 13 CLIMATE ACTION
- SDG 14 LIFE BELOW WATER
- SDG 17 PARTNERSHIP FOR THE GOALS

➤ **IMPLEMENTATION**

The programme encompassed a multidimensional approach focusing on capacity building, education, healthcare, women empowerment, sustainable agricultural practices and community engagement. A phased implementation plan was followed to achieve tangible outcomes and ensure sustainability.

As an initial step, the IQAC team of the college invited the President, members and officials of the Vadakkekara panchayath along with the Agricultural officer to the college for a joint meeting on 21 November 2019. The Principal, Management Representatives, HoDs and conveners of various cells and clubs also attended the meeting. The Village adoption project was discussed in detail and the final plan was decided. A meeting with CDS Chairperson of the Panchayath and Kudumbasreemembers



were convened on 29 November 2019. The programme was launched with the formal inauguration on 18 December 2019 which was a resounding success with mass participation.



➤ **Village Adoption Programme in Alignment with the SDGs Over the Years...**

SDG 1 NO POVERTY and SDG 2 ZERO HUNGER

The NSS unit of the college has initiated a long-term programme to mitigate the hunger of the poor villagers by **distributing food packets in the** adopted village every Wednesday. The food packets are contributed by the students and teachers of the college making it a mass programme with maximum involvement. This initiative has surpassed expectations, substantiating its success in aligning with the Sustainable Development Goal 2, Zero Hunger and leaving a lasting positive imprint on the adopted village.



During the academic year 2021-22, the Staff Welfare Club of the college contributed thousand rupees to the families of fifty Covid 19 victims of the adopted village. The **financial aid** was provided to buy food items as these families were in short of food supplies.



SDG 3 GOOD HEALTH AND WELL BEING



The Department of Mathematics conducted a **door-to-door campaign** to spread information and raising awareness about various **social welfare schemes** offered by both the State and Central Governments. In addition to this, the campaign also educated villagers about the **Right to Information (RTI) Act** and **the importance of environmental protection**. This effort not only did it provide valuable information to the villagers, but it also offered a significant learning experience for the students who actively participated in the campaign.

The people of the ward were taught to identify the **adulteration in the things** that are a part of their daily lives by the department of Chemistry. The department introduced several methods for detecting adulterants in everyday products. The team also introduced **how to remove harmful substances** like formalin and ammonia from fish, substances known to pose serious health risks and potentially cause cancer in the human body. These initiatives equipped the residents with valuable skills for their daily lives and also contributed to their overall well-being.

The NSS Unit has undertaken so many initiatives for the good health and well-being of the villagers of the adopted ward. During the seven-day camp held in October 2019, a dedicated **campus unit for Palliative Care Maliankara** was established, underscoring the college's commitment to community welfare and healthcare initiatives. As part of this initiative, the college regularly **donates essential goods and supplies to support the palliative care** members in their compassionate work.

On Palliative Care Day in 2020, NSS volunteers of SNM College embarked on a mission in the adopted village, to spend few hours with paralyzed patients and elderly individuals in their neighborhood who required assistance and companionship. The visit brought smiles to the faces of the patients who were grappling with physical and mental challenges. The volunteers' presence and interactions not only brightened their day but also conveyed a sense of belonging and care. In the year 2021, the volunteers of the Palliative Care unit continued their noble mission of spreading love and care to those in need within the community. As part of this unit's ongoing efforts, they collected essential materials, which then wholeheartedly handed over as their "Gift of Love" to bedridden patients.

In 2023, April 14th, NSS Unit of SNM College organized "**Sneha Sammanam**" programme as part of Vishu celebrations. The programme was organized at Sneha Thanal Home, a shelter for the needy. This programme aimed to spread love and joy and bring happiness in the minds



of mothers residing in a shelter for the aged people. Again, in 2023, the campus unit collected essential materials and handed over to Block Panchayath Vice-President Sri. Saneesh.

Another distinguished programme by NSS was the organization of a **Two-Day Medical Camp** for the villagers in collaboration with Rotary Club, Kodungalloor. This program brought together a dedicated team of healthcare professionals, including Doctors, Nurses and other staffs from Craft Hospital, Kodughaloor. The camp kicked off with an informative awareness class led by Maju Jacob, the Chief Operating Officer of Craft Hospital, setting the stage for the medical checkup of the villagers. Essential medicines were also distributed in the camp to the villagers, entirely free of charge. The camp provided an opportunity for individuals to consult with healthcare professionals, receive diagnoses, and access treatment, thus addressing their immediate healthcare needs.



During the academic year 2020-21, the department of Mathematics shared videos to alert them and help the villagers to navigate the challenges posed by the pandemic.

The Department of Zoology played an active role in the community by **distributing masks** crafted by their students to the residents of the adopted village. In addition to providing masks, the department also took the initiative to raise awareness about their proper usage, emphasizing the importance of mask-wearing in the covid 19 pandemic.



The Department of Zoology and Department of Commerce jointly took the initiative to **distribute cloth masks** to the Kudumbasree units. Around 100 masks were distributed in this program.



The NSS and NCC Units of SNM College Maliankara played a crucial role in the **Covid 19 Mega Vaccination Camp** organized by Vadakkekara Grama Panchayath and CHC Moothakunnam in the adopted village on April 2nd and 3rd, 2021. The dedicated volunteers were instrumental in the success of this significant initiative. They actively participated by assisting in the registration process, providing essential aid within the vaccination rooms, and extending support in the resting area. Their unwavering commitment to ensuring strict



adherence to physical distancing guidelines contributed to the seamless flow of the vaccination process. This collective effort resulted in approximately 1000 individuals receiving the lifesaving vaccines during this mega event.



Another significant initiative of NSS was the **distribution of mask** to the villagers. It not only provided essential protective equipment to the local people but also promoted awareness and community engagement in the fight against the virus.





Awareness on local medicinal plants was given by creating a video by the Department of Botany to spread awareness about common medicinal plants occurring around us. Most of the plants have some or the other medicinal properties due to the presence of phytochemicals. Older generations had a better understanding of common plants which could be used for medicinal purposes. The video was created with the aim for introducing common plants around us and explaining their medicinal properties to spread awareness among local people.

Another awareness video was created and circulated by the Department of Chemistry about the Covid-19 pandemic safety measures among the villagers.

In order to ascertain the problems related to the financial, social, physical and mental aspects of people living in the adopted village, a **survey was conducted on “Impact on Covid 19”**. The Survey was conducted through google form having 15 questions. It was done with the help of 100 NSS students. They visited every house in the wards (around 800) and collected data. The data was recorded in the google forms by students by asking questions directly.



College Village Adoption cell organized a significant **webinar** in August 2021 on the topic of '**Third wave of Covid-19 and its prevention.**' Dr. Amar Fettle, the State Nodal Officer of the Covid Cell, delivered crucial insights and cautionary information regarding the



potential third wave of Covid-19, emphasizing the importance of preparedness and prevention measures. He also provided valuable guidance on addressing the challenges faced by Covid patients even after their recovery, offering practical tips to aid their post-recovery well-being.

Distribution of Medical Diagnostic Kits to the ward members of the adopted ward 1 and 2 was done by the department of Mathematics and Statistics which was the joint initiative of the teachers and students of the aforementioned departments. Each diagnostic kit included a blood pressure monitor, a glucometer, and a digital thermometer. It was a boon to the villagers as they were badly in need of medical assistance for the diagnosis and treatment of COVID 19.



The Department of Mathematics initiated an **Anti-Drug Campaign** along with a **flash mob and street play** to create awareness against drug abuse in the adopted village on 10th March 2023. Led by 3rd BSc Mathematics students, the campaign aimed to raise awareness about the dangers and harmful effects associated with drug abuse. The primary goal of the campaign was to increase awareness among the community members and students about the dangers and harmful effects of drug abuse.



On June 10, 2021, the Staff Club contributed to the community's well-being by **donating 50 PPE kits, 200 N-95 masks, and 25 liters of sanitizer** to the officials of Vadamkekkara Grama Panchayath. These essential supplies were then distributed within the adopted village, reflecting the staff's commitment to supporting public health and safety during the pandemic.

കേരള കാമുനി
Evolution 31 June 2021

മാലയങ്കര എസ്.എൻ.എം കോളേജ് ജീവനക്കാർ കൊവിഡ് പ്രതിരോധ വസ്തുക്കൾ കൈമാറി

പൊതു മാലയങ്കര എസ്.എൻ.എം കോളേജ് ജീവനക്കാരുടെ കൂട്ടായ്മയായ സ്റ്റാഫ് ക്ലബ് വരലങ്ങൽ ഗ്രാമപഞ്ചായത്തത്തിലെ കൊവിഡ് പ്രതിരോധ പ്രവർത്തനങ്ങൾക്കായി പി.പി.ഇ കിറ്റ്, എൻ.95 മാസ്ക്, സാനിറ്റൈസർ എന്നിവ നൽകി. കോളേജ് പ്രിൻസിപ്പാലിന്റേയും ടി.എച്ച്. ടി.പി.യു.യുടെയും പ്രകടനം നേടുന്ന എസ്.എൻ.എം കോളേജ് ജീവനക്കാർ പ്രസിഡന്റ് രാമൻ നീക്കത്തിന് ഇവ കൈമാറി. സ്റ്റാഫ് ക്ലബ്ബിലെ സെക്രട്ടറി ഡോ. പി.ജി. രാജീവ്, കോർഡിനേറ്റർ സി.ആർ. രാമചന്ദ്രൻ പങ്കെടുത്തു. 50 പി.പി.ഇ കിറ്റ്കൾ, 200 എൻ.95 മാസ്ക്, 25 ലിറ്റർ സാനിറ്റൈസർ എന്നിവയാണ് നൽകിയത്. സെക്രട്ടറി സ്റ്റാഫ് ക്ലബ്ബിന്റേയും കോളേജിന്റേയും സഹായത്തോടെ കൈമാറി.



മാലയങ്കര എസ്.എൻ.എം കോളേജിലെ സ്റ്റാഫ് ക്ലബ്ബിലെ വരലങ്ങൽ ഗ്രാമപഞ്ചായത്തിലെ കൊവിഡ് പ്രതിരോധ വസ്തുക്കൾ കൈമാറ്റം

നിലവിൽ കോളേജിന്റെ ഡ്രൈസ് മെന്റൽ കൊവിഡ് - സൗകര്യം നിർമ്മിച്ചിട്ടുണ്ടെന്ന് സെക്രട്ടറി പ്രഖ്യാപിച്ചു.

ഒരു ദുരിതഘട്ടം നീടിയതിനോടെ പ്രിൻസിപ്പാൽ രാമചന്ദ്രൻ രാമൻ മാലയങ്കര ഗ്രാമപഞ്ചായത്തം സഹായം തേടിയപ്പോൾ

REBKA KALSHUK SHARIF
Graphic Kerala Kaamunee - Evolution



SDG 4 QUALITY EDUCATION

The Department of English initiated a program called "**English in Daily Life**" as part of the village adoption program, with a primary focus on **enhancing the English language proficiency of Kudumbasree members**. This program went beyond traditional language learning by providing practical knowledge related to mobile device usage. With the help of technology, the students engaged the classes. The program aimed to equip the Kudumbasree with the necessary English language skills to help their daily lives more confidently. We think that, this proficiency not only benefited the Kudumbasree members themselves but also empowered them to pass on these skills to their children, thereby fostering a valuable generational impact.

In 2020, during the pandemic time, The students of the Department of English prepared and shared videos on the basics of English, like parts of speech to the Kudumbasree members. The Department continued to share videos on the basics of English with the children of the Kudumbasree members which was a boon to them as physical classes were not resumed then.

The village adoption programme of the department of English for the academic year 2022- 23 was initiated with the objective to boost the communication skills and to teach English grammar to make the children functional in English so that they could cope with the demands of the global world.





The Department of Malayalam launched ‘**Thettillatha Malayalam, Then Malayalam**’ programme with the aim to **educate the children of the adopted village all about their mother tongue Malayalam**. The students and teachers of the department gave a class during the month of April. This class has great importance because Malayalam has attained the status of mandatory official language in Kerala. Moreover, it is important to use mother tongue without mistakes to improve the quality of the education they receive.

The Department resumed ‘Thettillatha Malayalam, Then Malayalam’ programme after the pandemic by giving Malayalam classes for the lower primary students of the adopted village.



Another prestigious programme was, the **Digital Literacy Mission** implemented in order to impart the basic digital knowledge to the members of adopted wards. NSS volunteers conducted this mission in two stages. In the first stage, they visited each house and explained through their mobile phones how to operate the smartphones to those persons who were not familiar with this. In the second stage, they taught how to fill google forms, how to operate YouTube and how to download movies etc.

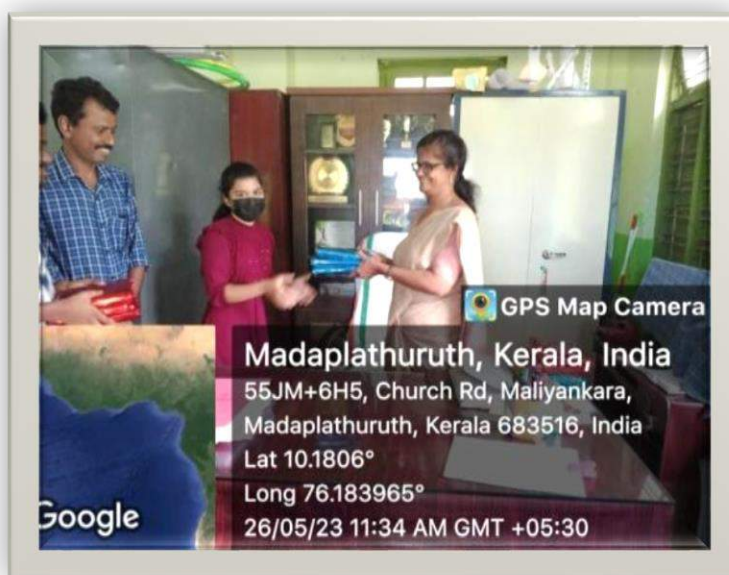
The Department of Statistics and Commerce joined the village adoption program by offering support to economically disadvantaged students in the community.



On May 19, 2023, the Department of Statistics made a significant contribution to the education of primary-level school students in wards 1 & 2 of Vadakkekkara Panchayath by **distributing notebooks and other essential stationery items.**



The Department of Commerce **distributed study materials to the students** of SNM Govt. LP School, Kottuvallikkad, which is situated in ward 2 of adopted village. The main beneficiaries of the programme were economically backward students of the school.





SDG 5 GENDER EQUALITY

The department of English gave 'English in Daily Life' and **effective mobile usage training to the women of Kudumbasrees units** to equip them with the changing needs of the current world. The students of the Department **prepared and shared videos on the basics of English** for the Kudumbasree members and their families which empowered the women to teach their children. This was a boon to them as physical classes were not resumed then and they were not able to send their children for tuitions. Some of these women later gave tuitions for the children of the neighbourhood with the aid of the department and generated income for themselves.

The Department of Economics demonstrated a holistic approach to community development by conducting a comprehensive **survey to assess the socioeconomic conditions of women** residing in ward 1 of Vadakkekara Panchayat, the adopted village. Following this assessment, the department initiated an empowering initiative by **distributing vegetable saplings** to members of Ayalkoottams, a group of women in the ward. Each household received 25 saplings, which aimed to enable the women to cultivate vegetables for their own consumption and potentially generate income from surplus harvests. In addition to providing the saplings, the women were also imparted with valuable training on vegetable farming techniques, equipping them with the skills and knowledge needed to foster self-sufficiency and economic independence.





The Department of Chemistry conducted a **Workshop on Soap making** for the women of the adopted village so that they could make soap for their household use and sell it to generate income.

On 02/03/2022, the department of Commerce conducted a seminar on “**Investment Awareness on Post Office Savings**” for the Kudumbashree members to encourage them to make small investments and thereby secure their future.

SDG 6 CLEAN WATER AND SANITATION

As a part of this village project, teachers and students of the department of Chemistry visited the ward no. 1&2 of Vadakekkara Panchayath and collected samples of drinking water from different sources. The objective was to **assess the quality and purity of drinking water from various sources, with a particular focus on detecting the presence of e-coli bacteria, measuring pH levels, evaluating water hardness, and identifying any potential poisonous substances.** While a significant portion of the community relied on household water connections for their daily needs, some residents still depended on wells and ponds as their primary water sources. Fortunately, after thorough analysis of the collected water samples, it was determined that all the sources met the necessary quality standards, reassuring the community about the safety of their drinking water.

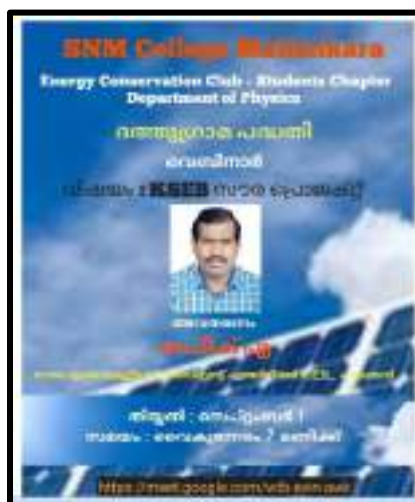
To create awareness about the importance of cleanliness of surroundings among villagers, thereby to reduce the transmission of diseases in ward 1 &2, the department of Physics conducted the “**Cleaning the Surroundings Programme**” in the adopted village. The programme was conducted successfully by the students and it was highly beneficial for the adopted village. The event created awareness not only among villagers but also among the students about the needs and benefits of cleaning for a healthy and happy life.



SDG 7 AFFORDABLE AND CLEAN ENERGY

Energy conservation measures in the college was coordinated by **Energy Conservation Club– Student Chapter**, a dedicated group of students and staff committed to raising awareness and instilling a culture of energy efficiency on our campus.

Energy conservation club- students chapter and Department of Physics jointly organized a **webinar on the topic “KSEB Soura Project”** on 1st September 2021. Mr. Shafeek A, Assistant Engineer, KSEBL, Palakkad was the keynote speaker. Main objective of this webinar was to create energy conservation awareness in the villagers. Recent trends in solar energy conservation were discussed in the webinar. Around 70 people from the adopted village were benefited from this programme.



Brightening Maliankara: A Step Towards Eco-Friendly Lighting

To reduce environmental pollution in our locality, the NSS unit conducted an energy conservation survey in 2019 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



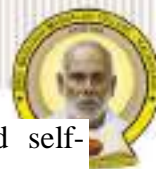
jointly organized a **workshop called "Make Your Own LED"** at our college, inviting both students and local residents to participate. The resource person, Mr. Sabir, operator engineer, KSEB, Malappuram handled the training session. The workshop empowered our volunteers and participants to create more 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.

In 2023, UG students of the Department of Physics has **distributed LED bulbs and paper bags** to all members of Ward 1 & Ward II of the adopted village. LED bulbs that were distributed were assembled by the students themselves during 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.

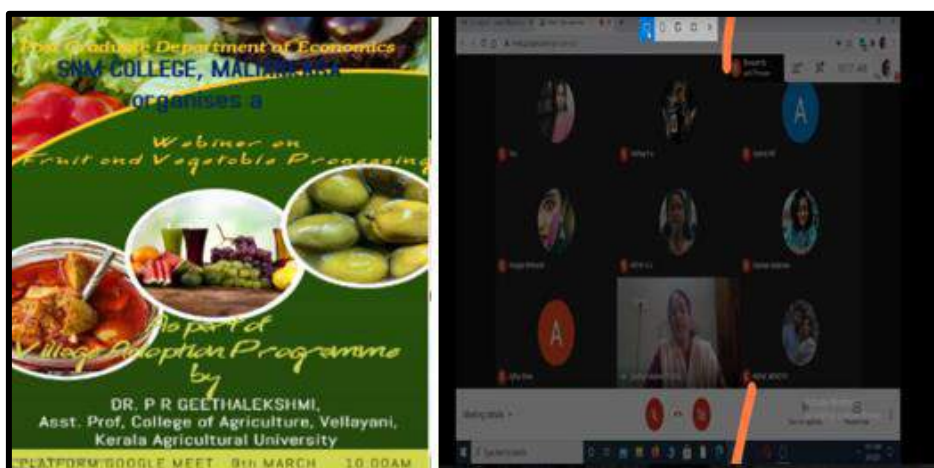


SDG 8 DECENT WORK AND ECONOMIC GROWTH

The staff and students of the Department of Economics aimed the economic growth of the village through women empowerment. To initiate this transformative process, they conducted a **socioeconomic survey of the women** residing in the adopted wards 1 and 2 of Vadakkekara Panchayat. Later, they distributed vegetable saplings to members of Ayalkoottams of the ward with each household receiving 25 saplings. These saplings included a variety of vegetables such as tomatoes, chillies, brinjals, ladies-finger, and peas, in collaboration with



Krishibhavan, Vadakkekara Panchayath. The primary goal was to enhance food self-sufficiency among the villagers, particularly the women. In the following years too, the department **distributed vegetable seeds** among the women of the adopted village and monitored the progress. The department continued to support the Kudumbasree members who were even during the pandemic by conducting a **webinar on ‘Fruit and Vegetable Processing’**. It was handled by Dr. Geethalakshmi, Assistant Professor, College of Vellayani, Kerala Agricultural University. During the webinar, participants not only gained valuable insights into fruit and vegetable processing but also received practical tips and tricks for successful cultivation. This initiative served as a catalyst for **entrepreneurial thinking among both students and Kudumbashree members**, to make the value-added products from farm products.



To make aware the adopted village about **Post Office Savings Schemes**, the department of Commerce firstly organized an awareness session for students on 5th December 2019. The session was handled by Mr. Unnikrishnan K P, Moothakunnam Post office. Different types of schemes, its relevance, profitability in long term and Sukanya Samridhi, RD's, Kissan Vikas Pathrawere discussed in the session. Advantages of post office schemes over other plans were also explained. Students were given leaflets regarding varied schemes. Following the session, the students formed different clusters and visited wards 1&2 of Vadakkekara Panjayath and circulated brochures regarding Post Office Schemes and made the villagers aware of the investment plans. The department also conducted a seminar on “Investment awareness about post office savings for the kudumbashree members to encourage them to make small investments for their future.



SDG 13 CLIMATE ACTION

SDG 14 LIFE BELOW WATER

Mangroves host the most diverse, beautiful, and resource-abundant ecosystems in the world. However, the rise in deforestation and the looming danger of sea-level rise have threatened the mangroves habitat, putting the area's biodiversity as well as local communities at risk. Mangrove forests are able to store up to four times more than other tropical forests. Cutting down mangroves will only result in a mass release of carbon into the atmosphere. Mangrove ecosystems are home to a myriad of species from marine life (fish, crab, shellfish, sea turtle, etc) to birds. The habitat serves as a nesting, breeding, and nursing ground for the plethora of local wildlife. Mangroves improve and maintain local water quality. The trees protect the coastlines from severe weather events as well as slow down erosion. The mangrove forests hold a variety of resources ranging from leaves used in tea and livestock feed to plant extracts used as medicine. So, the protection and restoration mangroves are crucial in the coastal belt which made the department of Botany to initiate mangrove planting and preservation as part of the village adoption programme. Even though they have been doing this from 2016, the programme gave a new direction to it.

Mangrove Planting: The launch of the activities of the department of Botany in connection with the Village adoption was done on 26th December 2019. The main objectives and plan of action was to identify areas with mangroves and spread awareness on the importance of mangrove vegetation. On second stage, planting of mangrove saplings was done as a perspective of conservation. The team from Botany conducted the programme at Sathar Island and nearby areas in ward 1 and 2. The planting of mangrove saplings were also done. Continuous monitoring in the planted areas was done even during the pandemic years.

Every year the students and teachers have been visiting this area to plant new saplings of mangroves. As the survival rate of new saplings are dependent upon the prevailing conditions, the department plants it every year. Field trips were conducted to ensure the survival rate of new saplings.



AUTOMATIC WEATHER STATION

The Advanced Centre for Atmospheric Radar Research, Cochin University of Science and Technology under the funding of Ministry of Earth Sciences, Govt of India has installed an Automatic Weather Station (AWS) in the campus upon an MoU signed between CUSAT and SNM College, Maliankara. The AWS measures the precise weather conditions of the coastal areas, with the exact calculation of the wind speed, amount of rainfall received and other weather deviations of the area. The equipment functions with solar energy and transfers the data directly from the sensor connected to the AWS to the Radar Research Centre, CUSAT. The students could utilize the data for their research purpose.



The adopted village was badly affected by the Kerala flood in 2018 as they were not alerted in time. This AWS benefits the village as it monitors the weather condition which is a boon to the villagers.



Other Environmental Initiatives Towards Green and Clean Village

The students of the department of Zoology had collected plastic wastes from the adopted wards and gave it to the recycling unit at Chendamangalam, North Paravur. This programme helped to remove plastic wastes in an ecofriendly manner.

In collaboration with the Vadakkekara Grama Panchayath, Haritha Kama Sena of NSS and NCC volunteers enthusiastically joined the **Green Protocol campaign** as part of Moothakunnam Temple Festival in 2020. To raise public awareness about the negative consequences of single-use plastic bags, NSS Unit **crafted around five hundreds of eco-friendly newspaper bags**. And then **distributed these alternatives to local shopkeepers at Moothakunnam**, offering a practical solution to the problem of plastic waste. From the time onwards, Haritha Kama Sena of NSS unit regularly doing **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.

In connection with the village adoption programme, the activity organized by the department of zoology was the distribution of Cloth bags in ward I & II. This programme helped to promote the use of cloth bags instead of plastic bags.



An **Awareness Class on Environment Protection** was organized by the Department of Mathematics for the students of SNMLP School Maliankara in March 2023. 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.

SDG 17 PARTNERSHIP FOR THE GOALS

A successful sustainable development agenda requires partnerships between governments, the private sector and civil society. These inclusive partnerships built upon principles and values, a shared vision, and shared goals that place people and the planet at the centre. The various cells and departments of the college collaborated with the local self-government, The Advanced Centre for Atmospheric Radar Research, CUSAT, Krishibhavan, Postal department, Rotary Club etc to successfully implement the village adoption programme over the years.

EVIDENCE OF SUCCESS

The village adoption programme, guided by the principles of the SDGs, has demonstrated significant progress and measurable impact in multiple key areas. The consistent positive feedback from community members, combined with the demonstrated improvements in key



aspects of their lives, underscores the success of the village adoption programme in adhering to the SDGs and bringing about sustainable change. The village adoption programme which aimed at fostering sustainable development and improving the overall quality of life in the adopted village is a success in every way. The success of the programme is evident in the fields of economic development, education, healthcare and overall community well-being. This report substantiates the triumph of our village adoption programme in achieving its intended SDG-aligned objectives, paving the way for a more sustainable and equitable future for the residents of the adopted village.

- Successful flourishing of 35% of the mangrove saplings planted by the department of Botany is the evidence of success of the programme.
- At the time of the Covid 19 pandemic, Protection Kits (PPE Kit), Sanitizer and masks were distributed to ensure the safety of the villagers which was the need of the hour.
- As part of Digital Literacy Mission, so many families gained digital knowledge for which they were very supportive and looking forward for similar sessions.
- The participation of around 200 villagers in the Medical Camp shows its success.
- Various awareness programmes were done for the villagers which benefitted them in multiple ways.
- With the involvement of Haritha Karma Sena of the NSS Unit, Moothakunnam Temple festival could be celebrated following green protocol by maintaining the temple premises plastic free.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

The programme encountered challenges such as resource constraints and varying community expectations especially during the pandemic time. However, valuable lessons were learned, including the importance of local collaboration, adaptive management, and sustained community engagement.



CONCLUSION AND FUTURE DIRECTIONS

This report reflects our commitment to fostering sustainable development through targeted actions and contributing to the global achievement of the 2030 Agenda for Sustainable Development.

A rigorous impact assessment has to be conducted to measure progress against predefined indicators linked to the SDGs. Quantitative and qualitative data have to be collected to analyze improvements in education, healthcare access, economic growth, environmental sustainability, women empowerment and overall community well-being.

The Village Adoption Programme effectively demonstrated the potential of the institution to contribute to the realization of the SDGs at the local level. The positive impact observed in the adopted village motivates the institution to expand this initiative to more communities, forging partnerships and mobilizing resources for a sustainable and inclusive future.