SREE AYYAPPA COLLEGE

ERAMALLIKKARA, CHENGANNUR, ALAPPUZHA DISTRICT
KERALA

(GOVT. AIDED COLLEGE AFFILIATED TO THE UNIVERSITY OF KERALA)
NAAC Accredited



SSR (Cycle II)

Criterion – VII
INSTITUTIONAL VALUES AND BEST PRACTICES

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

July 2023

ENVIRONMENTAL PROMOTIONAL ACTIVITIES BEYOND THE CAMPUS

ACADEMIC YEAR 2021-22

Pamba Cleaning-November 11, 2022

National Service Scheme volunteers of Sree Ayyappa College, Eramallikkara cleaned the premises of Pamba River on November 11, 2022. Two faculty members accompanied forty-three volunteers who whole heartedly dedicated a day to remove garbage from the shores of the Holy Pamba. The group started from the college at 7.15 am in a hired private vehicle and reached the college at 6.30 pm, after 4 hours of cleaning.







Cleaning work at the premises of Pamba River

International Plastic Bag Free Day July 3, 2022

On July 3, 2022, in observance of International Plastic Bag Free Day, an awareness campaign was organized at Hindu U.P. School, Eramallikkara. The event aimed to raise awareness about the detrimental effects of plastic bags on the environment and promote the use of sustainable alternatives. As part of the campaign, a workshop was conducted to teach students how to make paper bags as an eco-friendly alternative to plastic. 15 volunteers attended the program.





Poster and painting by students





Awareness session against plastic





Teaching the students of Hindu U.P School to make paper bags



Awareness Poster

Trip to Periyar Tiger Reserve-December 6 & 7, 2021

NSS has organised an Environment Awareness & Education Program on 6-12-2021 and 7-12-2021 that included awareness campaigns for schools and colleges, trekking in the forest, street play, spot quiz and mime. Volunteers and Program officers have attended this program at Periyar Tiger Reserve, Kumili. Twenty-five volunteers attended the program.



Volunteers performing mime in Idukki to create awareness on Water Conservation



Volunteers receiving memento from Periyar Tiger Reserve for performing mime



Appreciation to the college for environmental promotion activities

Academic Year 2020-21

WORLD ENVIRONMENTAL DAY CELEBRATIONS

Celebration of World Environment Day was done by the NSS volunteers with various activities from June 5, 2020 to June 7, 2020 with various activities. As it was Covid pandemic and lockdown, all the activities were done by students from their own houses.



Students planting saplings in their house

PLANTED SAPLINS IN A KINDERGARTEN

On December 23/12/2020 fifty plant samplings were planted at a Kindergarten premises in Kollam District. Beatification of Kindergarten and cleaning activities of closed building were carried out by Bhoomithra Sena Club and NSS club volunteers of the college. 25 students participated in the program.



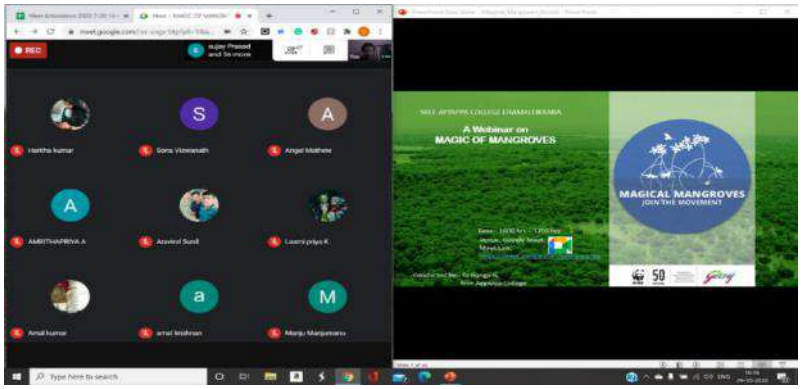



Planting saplings in an Anganwadi

MAGICAL MANGROVES MOVEMNET

NSS units of Sree Ayyappa College and TKMM College, Nangiarkulangara joined their hands with WWF and Godrej India Limited to organize a programme called “Magical Mangroves.” The session was based on the biodiversity and its role in the environment. The programme was

inaugurated by Dr. Vinod Haridas, Principal of TKMM college. Introductory remarks were made by Dr. Preetha M, V. The Session was conducted by Dr. Ganga G, Assistant professor, Dept. of Biochemistry and Industrial Microbiology, BMC Convener and NSS programme officer, Sree Ayyappa College Eramallikkara. Almost 158 NSS volunteers have participated from both the colleges.

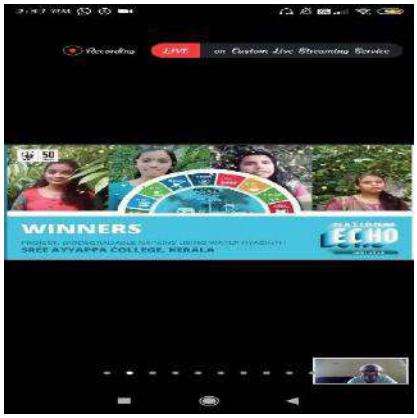


Screenshot of the webinar

ECHO Summit – Bio-degradable napkins using water hyacinth 2020-2021

A team of four students participated in ECHO National Youth Summit 2020-21. Sunaina Nair S S, Sreelekshmi S, Parvathy, Gayathri S. under the guidance of Dr. Ganga G, Assistant professor. Sree Ayyappa College and, BMC convener and Dr, Remya .L, NSS Program Officer represented the college as well as the whole Kerala in the Summit. Their work was based on Hydrogel Biodegradable napkin from water Hyacinth, Work was started in the mid of May 2020 based on the survey conducted among women at Chengannur, Alappuzha district , Project was designed and prototype was developed In communicating with the ATREE foundation which helped them to develop their project and improve their action plan. Out of 14 Participant form state level participation three colleges were selected. The team Sree Ayyappa College got selected for the National level presentation which was approved by the WWF State Committee These students were allowed to present their project at National level and in national level out of six colleges selected from different state of India. On July 23rd, they presented their project and echoed the voice of youth as the environment conservation heroes. They secured the first position in National level from WWR as Environmental Conservation Heroes.





National Seminar on *Rivers For Future*- January 23, 2020

The Department of Biochemistry and Industrial Microbiology in association with Science Club organized a one-day National Seminar cum workshop on Rivers for future. Dr. SurayaNarayana. K.R, Regional Director, Central Ground water board inaugurated the seminar. Dr. K.S. Anil Kumar, Principal presided over the function. Dr. Nitha B., convenor delivered the welcome speech. In the inaugural address Dr. Suryanarayana exhorted to rejuvenate and sustain the healthy rivers with good flows by respecting all the natural resources including water bodies. He also pointed out that ground water is getting replenished causing depleted water table and reduced base flow.

Er. V. Mohan Murali, Superintending Engineer, Central water commission, C&S Circle Bengaluru delivered key note address. He pointed out that integrated reservoir operation by Central State Government agencies has to be implemented to mitigate floods. He added that CWC has initiated to works at five stations in different parts of India including Kerala.

Dr. V. R. Rani, Scientist, CGWB handled an academic session on Rain water harvesting and Artificial Recharging and Dr. Mrunal Baruah, ARO, CWC Kochi handle the academic session on water quality studies in Pampa River basin. Different competitions for the students were also organized. Students participate in debate and essay writing competitions.



Brochure



NATIONAL SEMINAR ON RIVERS FOR FUTURE



Short Film on *The Importance of Water- Prathibhimbham-* January 2020

The students of fourth semester Biochemistry and Industrial Microbiology directed a short film named ***Prathimbhimbham*** which tells the importance of water. This short film passes a message to the society about the importance of keeping water clean. The short film also passed the message of harmful effects of dumping wastes in to the drinking water sources.



Making of the short film

ACADEMIC YEAR 2019-2020

Water Quality Analysis June-Aug 2019

Department of Biochemistry and Industrial Microbiology carried out the water quality analysis of Hindu UP school, Eramallikkara, Public Health Centre, Eramallikkara and several homes of Thiruvanvandoor and Kuttanadu Panchayath upon their request.



Analysing the quality of water

ACADEMIC YEAR 2018-2019

Varatar Restoration Project Phase II- June 5-15, 2018

NSS volunteers of the college planted banana stubs at Thiruvanvandoor Panchayath ward to protect the river bank.





Planting banana stubs in the Panchayath

Water Quality Analysis of ground water of five Panchayaths after flood

The Department of Biochemistry and Industrial Microbiology conducted a free water quality analysis of the well water of five different Panchayath Thiruvanvandoor, Pandanadu, Cheriyanadu, Pulikkezhu and Kadapra after flood. The analysis was completely free of cost. People from different locations approached and the study mainly focused on the coli-forms and drug resistant pathogens present in wells after flood.



Collection of water

Identification of indigenous medicinal plants-December 20-25, 2018

A survey and study were conducted by BMC members to know the herbs around the Panchayath. Members were enthusiastically participated in study. Non- life science students from Computer Science, Electronics and BCom with Computer Application eagerly participated and knowledge on various herbs and its application in medicines were learned.





Collection and identification of medicinal plants

PARTICIPATION IN WILD LIFE WEEK CELEBRATION WEEK- MARCH 11-15, 2018

College participated in various events in connection with Wild life Week Celebration. Various competitions were held and participation in seminar and class on wild life to Hindu UP School students were also conducted.


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Nature study camp at Kumarakam

LAB VISIT TO KUMARAKAM REGIONAL AGRICULTURE RESEARCH STATION




Soil checking laboratory

Swatch Bharath Mission

As a part of Swatch Bharath Mission, "Say No to Plastic Mission" was carried out from November 1st –December 30th 2018. Volunteers collected plastic waste from the Panchayath.





Cloth bag and paper bag making for villagers November 1–December 30, 2018

Villagers were trained to make paper bags and cloth bags for a sustainable environment.




Making of cloth bags and paper bags

Awareness Session on Waste Management-December 20, 2018

An Awareness Session on Waste Management for school kids was conducted on December 20,2018.



Volunteers conducting awareness class for school kids at Hindu UP School, Eramallikkara

Cleaning Drive

NSS volunteers participated in a cleaning drive at Hindu UP School, Eramallikkara and panchayath.



Cleaning at Hindu UP school, Thiruvanavandoor



Cleaning mission at Panchayath

Rally to create awareness on Waste Management January 26, 2019 - Malinya Vimuktha Pachayath



Rally on *Malinya Vimuktha Panchayath*

Pamphlet distribution on Waste Management and implementation of Green Protocol January 26th –March 30th 2019

NSS volunteers prepared a Green Protocol on Waste Management and it was distributed among the public, schools and other colleges.



Distribution of Green Protocol

Participating in cleaning mission after flood at Chengannur Taluk

NSS volunteers actively participated in flood relief cleaning activities



Cleaning mission at Nannad



Cleaning mission at Ward 1



Cleaning Mission at Pandanad



Rebuild Kerala Survey at Thiruvanvandoor Ward 10



Survey on flood affected areas



Water quality analysis at Cherianad



Water quality analysis at Chengannur Taluk

ACADEMIC YEAR 2017-18

Varatar Rejuvenation Project June 5 –July 31, 2017

Varatar, situated in the outskirts of Eramallikkara starting from Adipamapa and ending in Valathode where it merges with river Manimala. This also was a river connecting to Manimala to Pampa. However, the river now is in the verge of death due to illegal human encroachment. To safe guard the river and bring back the dead river into its previous state, one needs a lot of effort and energy. NSS units and Bhoomithra Sena Club of Sree Ayyappa College Eramallikkara has taken an initiative to give a life to Varatar, the dying river. NSS unit of our college have proclaimed that 2017 is celebrating as Environmental Protection Year.

NSS units of Sree Ayyappa College joined hands with Panchayath and local bodies to rejuvenate Varatar .Water quality testing was done in Microbiology lab and it was reported that the water in unsuitable for consumption. BMC and NSS Volunteers actively participated in water sample collection testing and also cleaning programme and removing bamboo trees. The involvement of NSS unit of Sree Ayyapa College, Eramallikkara was captured attention in

media such as Mathrubhumi News, leading newspapers such as Manorama, Mathrubhumi, The Hindu etc.



NSS programme officer Dr. Remya and Previous Programme officer Dr. N.Madhavan explained the role of NSS unit and Sree Ayyappa College in Varatar Rejuvenation Programe in Mathrubhumi Live News





Ministers Meeting for Varatar Rejuvenation Action Plan

A ministers meeting was conducted at Sree Ayyappa College Auditorium with the involvement of local self-government of Pancayath, kudumbasree, other self Govt organisations, renowned personalities of the locality etc. Finance Minister Prof Thomas Isaac, Agriculture Minister Mr Sunilkumar, Minister for Water Resources and Irrigation Mathew Thomas, Panchayath president and Members of the Panchayath were present during the occasion. Finance Minister Prof Thomas Isaac appreciated the Principal, NSS units and Programme officers for their constant effort taken for the effort. He congratulated all the students and teachers who took part in the completion of the first phase of the project.





Finance Minister Prof Thomas Isaac, Agriculture Minister Sri. Sunilkumar, Minister for Water Resources and Irrigation Sri. Mathew Thomas during the inaugural function

Report on water quality test analysis of Varatar NSS Volunteers of Sree Ayyappa College

The NSS and Bhoomithra Sena Club and Dept of Biochemistry and Industrial Microbiology of our college conducts various programs on water harvesting, water quality testing etc. We undertake a project "Water quality testing for the local community" which examines the presence of coli form bacteria and other possible contaminations of the water collected from the wells of Ward 1 of Thiruvanvandoor Grama Panchayah. We also conducted a study on the presence of coli form bacteria in the holy river Pampa during the Sabarimala Festival season. Physical, chemical and biological water quality parameters were tested for Varatar and it was found that there are certain obnoxious smell and high turbidity of water in Varatar River. Biological parameters showed heavy faecal bacterial load and presence of E.coli in the tested water sample.

Recently on a survey conducted by the NSS, it was identified that there was soil erosion at some places on the banks of the river Varatar due to excessive sand mining in the river bed. An awareness campaign was organized by NSS and Bhoomithra Club among the local community and representations were given to Local Self-Government. NSS volunteers identified two houses doesn't have proper way to enter in their houses and we brought the attention to local government bodies and immediate action was taken to construct ways to enter in their houses. More over volunteers helped to clean their wells as a part of Swatch Bharath programme.

NSS volunteers, BMC members and the students of the Microbiology Department had undertaken water quality analysis training programme conducted by Govt of Kerala at Puliyoor Grama panchayath.

News Report of Varatar Rejuvenation Programme













NSS Programme officers interacting with Panchayath repredentatives in connection with Varatar Rejuvenation Project



Awareness rally conducted by NSS volunteers during Varatar Rejuvenation Programme

Construction of rain water harvesting pits and *Mazhakuzhi*

NSS Volunteers or group actively participated in this programme a survey was conducted throughout the Thiruvanvandoor panchayath .It was identified that ward 5 is the most water drought affected areas of the panchayath. Hence volunteers made rain water pits to required houses of the panchayat.



Making of rainwater pits

Swatch Bharath Week Celebration August 1st –August 15th 2017

For the observance of *Swachhta Pakhwada* from August 1 – 15, 2017, various activities such as cleaning of panchayath road, college, school and hospital premises were conducted. Cleaning and removal of plastic waste from a nearby Colony at Thiruvanvandoor Panchayath was also conducted.

Swatch Bharath Programme Varatar Cleaning



Farmers Day Celebration August 17, 2017

NSS unit of our college along with Krishibhavan and Thiruvanvandoor Panchayath celebrated Farmers Day on August 17, 2017. Farmers were honoured with mementos. Agriculture officer Mr. Reghunth and Panchayath President inaugurated the function. Vegetable seeds were collected by the volunteers and distributed to the local people of Thiruvanvandoor panchayath.



World Water Day Celebration March 22, 2017

Keeping an aim in mind to promote the awareness on importance of water and need for its protection, an awareness class was taken to the school students by the volunteers. Later there was a quiz competition and talk based on the class. The programme was conducted at Hindu UP School, Eramallikkara. Prizes and sweets were distributed to students. The programme helped to evoke an awareness of need to safeguard our precious water sources and water bodies.



Awareness session on Water Conservation

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