



ENVIRONMENT  
EDUCATION PROGRAMME  
(EEP KERALA)

# ANNUAL REPORT 2024-25



Kerala State Council for Science, Technology  
and Environment, Sasthra Bhavan, Pattom,  
Thiruvananthapuram-04

# **ENVIRONMENT EDUCATION PROGRAMME KERALA**

*Annual Report 2024-25*

*A Programme of*



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE  
GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
TECHNOLOGY AND ENVIRONMENT,  
SASTHRA BHAVAN, PATTOM,  
THIRUVANANTHAPURAM, 695004**

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## Overview of the Activities conducted during FY (2024-25)

### Category A: - Initiatives under Sustainable Lifestyle Workshops/Projects/Exhibitions/Campaigns/Competitions etc.

Initiative No.	Title of Initiative	Activity Category	Total Number of Events Conducted under said Initiative	Number of Districts covered	The outcome in terms of			Brief Description
					Number of Schools/ Clubs	Number of Students	Number of Teachers	
1	Sustainable life style workshop for teachers	A	50	14	3121	0	3121	Organised hands on training for the Teachers in charge of ecoclubs under EEP (NGC) Programme on LiFE topics. The training was organised as one day programme as Four training programmes at each district with the cooperation of DIMC of National Green Corps. 56 students training programmes were organised under this head.
2	Sustainable life style workshop for students	A	50	14	2000	4281	0	Organised hands on training for the ecoclub students under EEP (NGC) Programme on LiFE topics. The training was organised as one day programme as Four training programmes at each district with the cooperation of DIMC of National Green Corps. 56 students and 56 teachers training programmes were organised under this head.



3	Sustainable life style workshop for students at R&D centres	A	24	6	35	1191	30	Hands on training for ecoclub school students at Six different R&D institutes in the State. This year KSCSTE organised 24 workshops at 6 R&D institutes such as KSCSTE- JNTBGRI, MBGIPS, CWRDM, MSSRF and ICAR CPCRI. Organised hands on training on Tissue culture, Waste Management Techniques, Plantation Methods, Mushroom Cultivation, Water Quality Analysis, Orchid cultivation, Traditional Knowledge transfer etc as per the facilities of the institutes
4	EEP Projects	A	347	14	347	17350	400	KSCSTE released financial assistance to a maximum of Rs.10000/- each to 347 schools under EEP projects for doing the following thematic projects such as Setting up of Medicinal /Biodiversity/ Medicinal/ Butterfly/ Vegetable gardens/ Miawaki forests/ Bamboosetum, Setting of Waste composting measures in schools, Adopting measures for Plastic free campus, Adoption of natural bodies/places for protection, Hands on training for students on LED bulb making, Mushroom cultivation, vermicomposting, Plantation techniques, making paper bags, cloth bags mats, making crafts from Bamboo, banana fibre, wood craft etc
5	Thematic Campaigns	A	151	14	200	15000	500	Under Thematic Campaigns EEP Kerala organised Beach/ River/ Pond/ Public place cleaning campaigns, Street plays, rallies, and awareness classes etc. The programme was organised at Sub-district level in each district with the participation of maximum number of schools. An amount of Rs. 10,000/- each per Sub-district was utilised for the programme.
6	District level Thematic Competitions	A	14	14	1500	2271	250	As part of Thematic Competitions district level Quiz & Painting was organized by DIMC for LP, UP, HS & HSS students.
7	State level Thematic Competitions	A	1	14	98	98	15	State level Painting and Quiz competition was held on 25th January 2025 at Mar Gregorios Centre, Trivandrum. First prize Winners of District level competitions of LP, UP, HS & HSS Category participated in the state level.
Total			<b>637</b>	<b>14</b>	<b>7301</b>	<b>40191</b>	<b>4316</b>	

**Category B: - Initiative under Nature Camps/Summer Vacation Programmes.**

Initiative No.	Activity Category (Nature Camp/ Summer Vacation Programme)	Location of Nature Camp	Dates of Nature Camp	Duration of Camp(s)	Participating Schools/ College	Name of Districts	The outcome in terms of	
							Number of Schools	No. of Campers
1	Nature Camp	Neyyar Wild Life Sanctuary	7-9 <sup>th</sup> February 2024	03 Days and 02 Nights	22	Thiruvananthapuram	22	50
2	Nature Camp	Schendurney Wild Life Sanctuary	11-13 <sup>th</sup> October 2024	03 Days and 02 Nights	27	Kollam	27	55
3	Nature Camp	Schendurney Wild Life Sanctuary	25-27 <sup>th</sup> October 2024	03 Days and 02 Nights	25	Pathanamthitta	25	55
4	Nature Camp	Schendurney Wild Life Sanctuary	1-3 <sup>rd</sup> November 2024	03 Days and 02 Nights	24	Alappuzha	24	56
5	Nature Camp	Vagamon Hill Station	21-23 <sup>rd</sup> February 2025	03 Days and 02 Nights	5	Kottayam	5	50
6	Nature Camp	Adayalakkallu grass land, Paruthumpara, Bear cave, Chempaka Rock and Udayagiri cross mountain	23-25 <sup>th</sup> August 2024	03 Days and 02 Nights	20	Idukki	20	55
7	Nature Camp	Thattekkad Bird Sanctuary	27-29 <sup>th</sup> September 2024	03 Days and 02 Nights	20	Ernakulam	20	55
8	Nature Camp	Turtle Nesting Area, Chavakkad, Chettuva mangroves, Mannalamkunnu beach, Edakkazhiyur beach	15-17 <sup>th</sup> November 2024	03 Days and 02 Nights	25	Thrissur	25	56
9	Nature Camp	Silent Valley Mukkali and Thathamangalam Range	14 to 16 th January 2025	03 Days and 02 Nights	25	Palakkad	25	75
10	Nature Camp	Karimpuzha Wild Life Sanctuary	6 <sup>th</sup> to 8 <sup>th</sup> Dcember 2024	03 Days and 02 Nights	25	Malappuram	25	59
11	Nature Camp	Muthanga, Wayanad Wild life sanctuary	January 31 <sup>st</sup> to 2 <sup>nd</sup> February 2024	03 Days and 02 Nights	26	Wayanad	26	55

12	Nature Camp	Vanaparvam Biodiversity Centre, Kakkavayal, Kadalundi Community Reserve, Janakikkad Kuttiyadi Range	3 <sup>rd</sup> , 4 <sup>th</sup> and 9 <sup>th</sup> January 2025	03 Days and 02 Nights	25	Kozhikode	25	127
13	Nature Camp	Vanavidyalayam Kottancheri	29 <sup>th</sup> November to 1 <sup>st</sup> December 2024	03 Days and 02 Nights	27	Kannur	27	62
14	Nature Camp	Vanavidyalayam Kottancheri	22 <sup>nd</sup> -24 <sup>th</sup> November 2024	03 Days and 02 Nights	31	Kasaragod	31	65
			<b>Total</b>		<b>327</b>		<b>327</b>	<b>875</b>

# **ENVIRONMENT EDUCATION PROGRAMME KERALA**

## **SUSTAINABLE LIFE STYLE WORKSHOP FOR NATIONAL GREEN CORPS ECOCLUB TEACHERS**

***Report 2024-25***

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## EEP KERALA: SUSTAINABLE LIFE STYLE WORKSHOP FOR NATIONAL GREEN CORPS ECOCLUB TEACHERS

Kerala State Council for Science, Technology under Environment, under Environment Education Programme (EEP Kerala), the revamped programme of National Green Corps funded by MoEF& CC organised Sustainable Life style workshop for teachers in charge of ecoclubs in the State. One day Training programmes on Mission LiFE organised in educational district wise in all districts. The training programmes were organised by KSCSTE in association with the District Implementation & Monitoring Committee of NGC.

KSCSTE organised 50 training programmes starting from August 2024 to February 2025 in the various educational districts. About 3200 teachers in charge of Ecoclubs participated in the programme. Technical sessions on various LiFE topics were handled by the eminent resource persons in the field.

Topics such as Water Conservation, Energy Conservation, Sustainable life style and healthy food habits, Eco clubs in schools and environmental activities, Concept of Reduce, Recycle and Reuse, Plastic pollution were covered in the workshop. Awareness programme on Millet Revolution, Wild life protection, Conservation of sea turtles etc were some highlights. Certificates were given to the teachers who had successfully attended the training workshop.

### NATIONAL GREEN CORPS TRIVANDRUM

#### *1. Thiruvananthapuram Educational District 30/11/2025*

The training programme in the Thiruvananthapuram Education District was held at Govt. HS, Mannanthala, on 30th November 2024. The event was organized with the support of District Education Officers (DEOs) and Assistant Education Officers (AEOs) of the concerned districts.

Programme Inauguration:

- Inaugural Speech: The programme was inaugurated by Smt. Leena, AEO North.
- Keynote Address: Dr. K.G. Ajit Kumar, District Coordinator, delivered the keynote address.
- Chairperson: The event was chaired by Sri. Byju, PTA President.
- Welcome Address: Smt. Sunil Kumary welcomed the participants.
- Vote of Thanks: Smt. Preetha extended the vote of thanks.

A total of 90 teachers from various schools attended the workshop.

#### *Technical Sessions Conducted:*

##### **1. Mushroom Cultivation Training**

Dr. Heera, Assistant Professor at Kerala Agricultural University, led the Mushroom Cultivation session. She provided both theoretical insights and hands-on training for the students.

## 2. Paper Craft Session

Smt. Divya, Craft Teacher from Government Girls HSS, Kanyakulangara, conducted a highly engaging paper crafting session, where students learned the art of creating crafts using paper.

1. Pen Stand: Roll waste paper into tubes to create a pen stand.
2. Paper Organizer: Create a small desktop organizer from folded waste paper.
3. Bookmarks: Cut waste paper into strips and decorate.
4. Gift Bags/Envelopes: Repurpose old magazines or wrapping paper to make small gift bags or envelopes.

## 3. Seed Ball Pen Making

Smt. Seba, a trainer in seed ball pen making, guided the teachers and students in creating their own eco-friendly seed pens, combining environmental sustainability with creativity.





## ***2. Attingal Educational District (04/01/2025)***

The programme was officially inaugurated by Ms.Sakshi Mohan IAS, Assistant Collector Thiruvananthapuram. Key note address by Dr.K.G.Ajit Kumar DistCoordinator EEP -NGC Thiruvananthapuram district. PTA president presided over the function. Mr.Lal kumar Teacher welcomed the gatherings and Smt Raji teacher gave away the votes of thanks. After the inaugural session separate hand on sessions were arranged for students and teachers. A total of 95bteachers were participated in the workshop  
A talk on Biodiversity by Sri.Satheesan retired Range Officer made .

### ***Sessions1. LED Bulb Preparation Hands-on Training***

1. The session focused on teaching students how to prepare LED bulbs.
2. Emphasis was placed on the benefits of using energy-efficient lighting as part of a sustainable lifestyle.
3. Students were guided through the process, learning practical skills related to eco-friendly practices and energy conservation.
4. Resource persons for this session were three Electrical Engineering students from the College of Engineering Thiruvananthapuram. They provided training for students on preparing LED bulbs. Supported by the Ministry of Environment, Forest, and Climate Change (MoEF&CC), this hands-on training is crucial for promoting a sustainable lifestyle.

### ***Session.2.Cloth Bag Preparation: Hands-on Training for Students on Sustainable Lifestyles***

***Trainer: Smt. Divya, Craft Teacher, Govt. Girls HSS, Kanyakulangara***

The Hands-on Training for Cloth Bag Preparation is an initiative aimed at empowering students with the skills necessary to create eco-friendly cloth bags. The training is supported by the Ministry of Environment, Forest, and Climate Change (MoEF&CC), Government of India, and is aligned with the broader goals of reducing plastic waste and promoting sustainable alternatives.

Through this training, students learn how to make reusable cloth bags, which can be incorporated into their curriculum and serve as a practical way to encourage eco-friendly habits in their communities.

### ***Session 3: Seed Ball Pen Making***

***Trainer:*** Smt. Seba, a specialist in seed ball pen making, guided students on how to create eco-friendly seed pens using waste paper.

The goal of this training was to teach students how to instruct students in creating sustainable seed pens made from recycled paper. These pens, after being used, can be planted to grow into plants, offering a fun and eco-friendly way to promote sustainability.



### ***3. Neyyattinkara Educational District. (01/02/2025)***

**Dr. A G Pandurangan** Former Director of JNTBGRI inaugurated the programme. Prof. Peethambaran presided over the function. Dr. K.G. Ajit Kumar, District Coordinator of the EEP-NGC Thiruvananthapuram, gave a detailed description of the training programme. Dr. Priyanka, Convenor of the Kattakada Sub-District, welcomed the gathering. Following this, the teachers and students were divided into groups for hands-on training sessions on bud grafting, biochar, and seed ball preparation.

Prof. Peethambaran, Former Director and Dean of Kerala Agriculture, conducted separate sessions on bud grafting and biochar for teachers. Dr. Pandurangan, Former Director of JNTBGRI, delivered sessions on biodiversity for both teachers and students. A feedback session was held afterward, where participants appreciated KSCSTE and NGC for offering such a valuable opportunity through the training programme. A total of 48 TEACHERS participated.

#### ***Session.1. Biochar in Hands-On Training for Students***

This session was handled by Prof. Peethambaran Former Director of research, College of Agriculture Thiruvananthapuram. He trained students how to make biochar. Biochar preparation training is highly beneficial for students, especially those interested in sustainable agriculture, environmental science, and renewable energy. Here are key points that highlight the relevance of biochar preparation training: Biochar preparation training is highly relevant for students as it equips them with critical skills and knowledge to address key global challenges like climate change, soil degradation, and waste management. It also opens doors for entrepreneurial opportunities, particularly in sustainable agriculture and renewable energy sectors. Through this training, students gain valuable insights into innovative and eco-friendly solutions that can have a significant impact on both the environment and society.

## ***Session.2.Bud Grafting Training for Hands-On Training for students as Part of Sustainable Lifestyle***

Bud grafting is a horticultural technique where a bud from one plant (the scion) is inserted into the stem or branch of another plant (the rootstock) to propagate a desired variety. This method is widely used to propagate fruit trees, ornamental plants, and various crops. It allows the grower to combine the best qualities of two plants: the vigor of the rootstock and the fruiting or flowering characteristics of the scion.

Bud grafting is an important skill for promoting sustainability and a sustainable lifestyle. By training students in this technique, they gain the ability to teach their students and communities how to grow plants more efficiently, reduce reliance on external resources, and enhance biodiversity. Bud grafting fosters a deeper connection with nature, encourages resourcefulness, and teaches the principles of sustainable agriculture, which are crucial for addressing global challenges such as food security and climate change. Through hands-on training in bud grafting, teachers can empower their students to practice sustainability and cultivate a more eco-friendly lifestyle.

## ***Session 3: Seed Ball Pen Making***

**Trainer: Smt. Seba**, an expert in seed ball pen making, guided teachers in creating eco-friendly seed pens from waste paper. This training aimed to teach teachers how to guide students in creating seed pens from waste paper. These pens are sustainable, and after use, they can be planted to grow into plants.





#### ***4. Attingal Educational District. 15/02/2025***

This training program included students from the sub-districts of Kilimanoor, Attingal, and Vakala. The program was officially inaugurated by Adv. S. Kumary, the Municipal Chairperson of Attingal. The function was presided over by Head Master Mr. Anil, and Smt. Bindu, the DEO, was the guest of honor. Ms. Sheeja, a teacher, welcomed the gathering, while Dr. Veena, another teacher, delivered the vote of thanks. After the inaugural session, separate hands-on training sessions were conducted for both students and teachers. A total of 119 students were participated in the training pogramme

##### ***Session.1.Mushroom Cultivation training programme for students***

Resouce person. Mr.Ajay traininer and former technical assistant at JNTBGRI,Palode handled the class and trained the methods for students.He provided an insightful session on the basics of mushroom cultivation, followed by a hands-on practical session. Students were trained on the procedures and techniques to grow mushrooms.

##### ***Session.2. Hands-on Training for students on Paper Craft Using Waste Paper in the Classroom: A Sustainable Practices***

The Hands-on Training for Students on Paper Craft Using Waste Paper is an important educational initiative focused on promoting creativity, sustainability, and resourcefulness. It involves students learning to create paper crafts using waste paper, encouraging them to explore eco-friendly and artistic activities.

##### ***Session 3: Seed Ball Pen Making***

Trainer: Smt. Seba, an expert in seed ball pen making, guided teachers in creating eco-friendly seed pens from waste paper. This training aimed to teach teachers how to guide students in creating seed pens from waste paper. These pens are sustainable, and after use, they can be planted to grow into plants.

#### **NATIONAL GREEN CORPS KOLLAM**

A one-day workshop was organized for the Eco Club School Coordinators of the district on 22nd, 23rd, 29th and 30th August 2024 under the leadership of the National Green Army Kollam District at the following centers.

22.08.2024 : Girls High School, Karunagappally

23.08.2024 : Nithya Sahayata Mata Girls High School, Kottiyam

29.08.2024 : Block Resource Centre, Kottarakkara

30.08.2024: Saint Goretti Higher Secondary School, Punalur

Registration for the Sustainable Lifestyle training for Teachers for the year 2024-25 was held at all centers at 9.30 am and the training program began at 10.00 am.

##### ***1. Karunagappally Educational District***

The first lifestyle training started at Karunagappally Girls' High School on 22.08.2024. The meeting was chaired by BHSS Principal Smt. Veena Rani at 10.00 am and inaugurated by School Manager Smt. Sreelatha. After welcoming the guests, the District Coordinator

explained the need to adopt a sustainable lifestyle and the activities of the National Green Force. Head teachers Mrs. K.G. Ambili and Mrs. Saritha expressed their best wishes and teacher coordinator Mrs. Pratibha expressed her gratitude.

Then State Resource Group Member Shri Shanthakumar, NCSC Former State Coordinator Shri K.V. Ramesh, State School Resource Group Former Member Shri Sajeev T.K, Mr. Reginald, a former member and district coordinator of the State School Resource Group, led the classes based on the following topics.

- a) Making Toilet Soap, Soap Powder, Floor Cleaner
- b) Scientific projects based on environmental topics
- c) Pollution –Concept of 4 R’s
- d) Eco clubs in schools and environmental activities



## **2. Kottarakkara Educational District**

The second center, Kottiyam Nithya Sahayamatha Girls High School, was inaugurated on 23.08.2024 by the Deputy HM Mr. G. Jeffrey and the Head Teacher Smt. Judithlatha. School coordinators Srimanoj and Srimati Ajeena also offered their greetings. The National Green Army District Coordinator welcomed the gathering and the School Coordinator, Mrs. Leena Nandi, welcomed the gathering.



The third center, Kottarakkara Black Resource Center, inaugurated the teacher training workshop at Kottarakkara BPC Mrs. Swapna Kuzhithathil on 29.08.2024 under the chairmanship of Shri K.V. Ramesh. Mr. Shanthakumar and School Coordinator Mrs. Priya congratulated the program. The National Green Army District Coordinator welcomed the gathering and the School Coordinator, Mrs. Thirinja John, expressed her gratitude.



### 3. Punalur Educational District

The fourth center, Punalur St. Goretti Higher Secondary School, inaugurated the Teacher's Workshop on 30.08.2024 under the chairmanship of the school principal, Mrs. Pushpamma. School Deputy HM Mrs. SujaVarghese, Resource Member Mr. Shanthakumar, welcomed the students, and School Coordinator Mrs. Leeja .K. Benjamin expressed gratitude.



## NATIONAL GREEN CORPS – PATHANAMTHITTA

### 1. Thiruvalla Educational District

Pathanamthitta District organised Sustainable Life style workshops for Teachers of Thiruvalla Educational District under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 03/10/2024 at DIET Auditorium at Thiruvalla. The programme was inaugurated by Smt. B R Anila (Deputy Director of Education Pathanamthitta District) Details of Technical sessions are as follows;

- **Dr. Sarun S (Centre for Disaster Management Studies Sri Sankaracharya University Kalady )**



**Topic:-** Disaster Management. Mitigating the impacts of Natural Disasters - Flood.  
Objective of the session: Educating teachers and students on disaster preparedness, measures and to enhance their ability to respond effectively during a crisis - Natural Disasters

Mock drills on Disaster Nlanagement - Flood

Objective of the session. Mitigating the impact of flood to ensure that everyone knows what to do in the event of an emergency.potentially saving lives and minimize damage to properties.

Method - Role play - Teachers were instructed to act according to the instructions given - What precautions theyhave to take during a flood.this section was very informative and informative and practically useful.

- **Sri Biju Mathew K C (Resource Person Energy Conservation Society Kerala)**

**Topic:** - Significance of Hydroponic Farming Objective- Enabling teachers to help children to make and understand the scope of Hydroponic Farming.

Assessment – Hands On activity- Teachers learnt how to make a simple Hydroponic System.

- **Prof. P G Philip (Retd. Prof. in Chemistry, OIS('A South Kerala President, YMCA Environment Board Member Kerala**

Chapter Topic- Sustainable Lifestyle – A way of life Method- Interactive Session  
Objective of the session- Easing the way to practice sustainable lifestyle.It was an experiance sharing session. After the sessions experiance Sharing of Eco club teachers and issue of TA, Certificate & Duty Certificate was done. 137 nos of teachers from various ecoclub schools participated.



## 2. Pathanamthitta Educational District

Pathanamthitta District organised Sustainable Life style workshops for Teachers of Pathanamthitta Educational District under NGC Eco clubs 2024-25, at Govt. High School, Kozhenchery. The programme was inaugurated Smt. B R Anila (Deputy Director of Education Pathanamthitta District)

Details of Technical sessions are as follows;

- Dr. JG Roy, Director School of Biosciences Mahatma Gandhi University  
**Topic:-** Scope of Sustainable lifestyle and its contemporary significances. Objective of the Session-- To enhance Sustainable Lifestyle practices among teachers and students.
- Sri Biju Mathew K C  
**Topic:-** Significance of Hydroponic Farming Objective- Enabling teachers to help children to make and understand the scope of Hydroponic Farming.
- Prof P G Philip Dr. S Vidhu (Principal Padasala Pathanamthitta)  
**Topic:** Challenges of Sustainable Life Style in our society.  
Objective of the session- Enabling children to follow- sustainable Lifestyle practices. After the sessions experience Sharing of Eco club teachers and issue of TA, Certificate & Duty Certificate was done. 134 nos of teachers from various ecoclub schools participated.



## NATIONAL GREEN CORPS – ALAPPUZHA

### 1. Cherthala educational district Batch 1& 2

DIMC Alappuzha successfully organised Sustainable Life style workshops for Teachers under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology



and Environment (KSCSTE) and Education department officials on 19/10/2024 at Govt. Girls HSS smart Hall, Cherthala.

139 (One Hundred and thirty Nine) (70+69) Eco club teachers from different schools participated in training. Three technical sessions (including two activity oriented) and open session was conducted.

*Technical sessions:*

- Green Energy/Carbon Neutral Program by Shri Madhu Krishnan on the topic.
- Importance of EEP & Eco clubs by Shri Sreekumar DC, NGC, Alappuzha.
- Eco friendly products and toys preparation by Sri. John Baby

After the sessions the Eco Club Students shared their experiences in the Open Session. coordinated by Sri. Radhakrishnan J C, NGC, Cherthala. Tea & Snacks and Lunch were distributed to all participants and also seminar Kit, Certificate and duty certificate to all participants.



## ***2. Alappuzha educational district***

DIMC Alappuzha successfully organised Sustainable Life style workshops for Teachers under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 04/01/2025 at Govt. Girls

HSS smart Hal, Alappuzha. Sixty Six (93) Eco club Teachers from different schools participated in training.

Three technical sessions (including two activity oriented) and open session was conducted .

*Technical sessions:*

- Sri. Biju Mathew, on the topic; Energy Conservation & Energy efficient equipme (Activity Oriented).
- Josekutty sebastian on the topic: Wetland conservation (Activity Oriented).
- Sri. Sreekumar.H, DC, NGC, Alappuzha on the topic: Importance of EEP & Eco clubs.

After the sessions the Eco Club Students shared their experiences in the Open Session. coordinated by Sri. Radhakrishnan J C, NGC, Cherthala. Tea & Snacks and Lunch were distributed to all participants and also seminar Kit, Certificate and duty certificate to all participants.





### 3. Mavelikkara Educational District Workshop 4

DIMC Alappuzha successfully organised Sustainable Life style workshops for Teachers under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 01/02/2025 at Govt. TTI Hall, Mavelikara. Seventy Three (73) Eco club teachers from different schools participated in training.

The programme was inaugurated by Smt Bhamini Das, Asst.Educational Officer, Mavelikara. Welcome Speech was given by Sri. R. Rajesh, JC, NGC, Mavelikara, Vana Mitra award Winner. Presidential Address was given by Sri. Sreekumar.H, DC, NGC, Alappuzha. Three technical sessions (including two activity oriented) and open session was conducted.

#### *Technical sessions:*

- Shri. Biju Mathew, on the topic; Energy Conservation & Energy efficient equipment (Activity Oriented).
- Shri. John Baby, on the topic: Eco friendly products and toys preparation (Activity Oriented).
- Shri. Sreekumar.H, DC, NGC, Alappuzha on the topic: Importance of EEP & Eco clubs.

After the sessions the Eco Club Students shared their experiences in the Open Session. coordinated by Bhamini Das, AEO, Mavelikara. Tea & Snacks and Lunch were distributed to all participants and also seminar Kit, Certificate and duty certificate to all participants

Eco Club Students shared their experiences in the Open Session. Coordinated by Smt. Bhamini Das, AEO, Mavelikara. We distributed seminar Kit, Certificate and duty certificate to all participants





## NATIONAL GREEN CORPS KOTTAYAM

### 1. Kaduthuruthy Educational District

As per the directions of KSCSTE, we organised 4 Teacher Training Programmes in Kottayam District. On 30th Aug 2024 we conducted the workshop at AJJMGHSS, Thalayolaparambu, Kaduthuruthy Educational District. Dr. P. Arumughan, Director, Training, Rubber Board inaugurated the programme. Sri Jose A. J Deputy Director NRT (RB) took class on Activities of Eco Clubs in Schools. Then Sri. Biju Joseph, Trainer, Bee keeping Rubber Board took class on Bee keeping and Rearing. In the afternoon session Sri. Premnath (Rtd. S. E, KSEB) took class on Assembling and repairing of LED Bulbs.





**2. Kanjirapally Educational District:**

On 23rd October 2024 we conducted a workshop at GVHSS, Ponkunnam, Kanjirappally Educational District. Sri. Rakesh KAS (DEO, Kanjirappally) Inaugurated the workshop. Sri. Shan Kallungathara, took class on Vegetable Gardening in schools. At 11 am Sri. Manu (Electronics Enggr.) took class on LED Bulb making and repairing. In the after noon Sri. Hari Palazhi took class on soap making.



**3. Kottayam Educational District**

On 9th Octo.2024, we conducted a workshop at NSS HSS, Kidangoor. Dr. Ramachandran (President Meenachil River Samrakshana Samithy) inaugurated the workshop. Sri. Shan Kallungalthara took class on Vegetable Gardening in schools. At 11 am Mr. Manu took class an LED Bulb making and repairing. In the afternoon Sri. Hari Palazhi took a demonstration class on Soap making.



**3. Pala Educational District**

On 16th December 2024 we conducted another class at Mount Carmel Auditorium, Kottayam. Sri. M. Kurian (President, Gandhi Smaraka Kendram) took class on Prakruthi

Krishi. After that Sri. Somanath (Sasthra Sahithya Parishad) took a demonstration class on Soapmaking. In the afternoon Sri. Premnath took class on LED Bulb making and repairing.



## NATIONAL GREEN CORPS –NGC IDUKKI

A special discussion was convened at the collectors chamber Idukki Painavu for discussing the EEP activities of Idukki. In the discussion, collector of Idukki Smt. Vigneshwari IAS has given some valuable information and suggestion. She promised to attend the meeting. But unfortunately she could not attend the meeting. After that there were two meetings with DDE of Idukki Mr. Shaji S and two DEO's and three AEO's of Idukki with the full support of the educational department of Idukki we could complete teachers workshop in time successfully .

### 1. Thodupuzha Educational District

The first Training was convened on 24<sup>th</sup> October 2024 at Thodupuzha in SSHS auditorium. The registration started at 10:00 am and the program started at 10:30 am with workshop and self introduction. 52 teachers took part in this session. At 11:00 am Mr. Shaji S DDE of Idukki inaugurated the teachers workshop. He was the former NGC teacher incharge of Kollam district and he could deliver 10 minutes long valuable talk. The HM of SSHS Mr. Bijoy Mathew presided over the meeting. Mr. MP Nasar president of Kerala Forest and Tourism Development Council made a good message on environmental issues. Mr. Jibin Mathew NGC teacher incharge of SSHS extended vote of thanks.





There were two hands on training program in the workshop. First one was mushroom cultivation and it's demonstration. In the practical session teachers were actively participated. It was led by Mr. Baiju Varghese trainer. The second hands on training was electrical awareness and practical approach of domestic wiring. They have been cleared so many doubts of electrical appliances and wiring. Mr. Radhakrishnan Electrical Technician was the trainer of the session.

After lunch break Mr. Joseph Mundanchira Rtd. Principal USA and scholar of environmental studies delivered a comparative talk on US and Indian eco-system. Some teachers had made remarkable and enthusiastic evaluation on the one day workshop. They suggested two days residential workshop In the coming years. The teachers were given away certificates and TA for the day. The meeting was concluded at 3:30pm.

## **2. Kattappana Education district**

This workshop was inaugurated by Mr. Yashodharan K AEO of kattappana. After self and workshop introduction one hands on training program was conducted on modern approach of mushroom cultivation. The teachers were deeply impressed on this practical vision and some of them requested the trainer to conduct the same program in their schools.

68 teachers had attended in this program. DEO of Kattappana Sri. Manikandan visited the camp before lunch break and delivered a good message on environmental issues and responsibilities of teachers. He was a teacher incharge of NGC earlier. It was like an interactive session. Mr. Biju Joseph speaker and environmentalist of Idukki addressed the teachers with the practical version of the protection of our surroundings.

Some teachers have very nice experience in their schools on Eco-club activities. They are very much interested in taking part in the protection and preservation of ecosystem and biodiversity in their own respective areas. 4 teachers from last year project schools had explained about their projects.

Teachers had been given an elaborate Idea of planning and implementing variety of programs on environmental protection. So many teachers had given their own experiments and experiences in their own schools. A validary function had been given away their TA, participation and duty certificates. The workshop was ended at 3:30 pm .



3. Adimali Educational District

The teachers workshop conducted at GHS auditorium Adimali on 4<sup>th</sup> November 2024 was so remarkable, but the number of teacher participants was not as expected. They were only 23 teachers. AEO of Adimali sub district Smt. Aniyamma George inaugurated our one day workshop. She was formerly NGC teacher incharge of Munnar MRS. Mr. Surendharan P T of GHS and environmentalist made a talk on his experiences of 25 year of gradual changes of environment, climate and also goeography .

Teachers were given hands on training on mushroom cultivation and spone making. They had actively participated in the practical session of mushroom bed making. It was trained by Mr.Baiju Varghese. Teachers were also given adequate information about the future plans of environment Education for Eco-club students in schools. Teachers have put forwarded the suggestion to conduct a tour program for NGC teachers in the vacation.

All most all teachers had done with their workshop experiences in about one minute. They were totally happy with the one day sustainable workshop. They also suggested for three days nature camp for the teachers. One day training schedule was over by 3:30 pm after distributing them travelling allowance and workshop certificate.



NATIONAL GREEN CORPS ERNAKULAM

As per the order (No 306/2024/KSCSTE dated 14/06/2024) sanctioned from the Ministry of Environment, Forest and Climate change, National Green Corps Ernakulam District organized District level Sustainable Life Style Workshop for the teachers of Eco clubs of various schools during the financial year of 2024 – 25. Five workshops were organized for



Eco club Teachers on various topics like Biowaste management, Tissue culture, LED Bulb making, Seed ball Making, Mushroom cultivation and Bio-composting. The classes were handled by distinguished resource persons of the Agricultural field, Electrical Engineering and Biotechnology. They provided theory classes and hands-on training on various topics. Ms. Sreeja Rajeev, Consultant, State Horticulture Mission, Kakkanad, Ernakulam handled the classes on Mushroom cultivation, harvesting and production of useful mushroom-based products. The LED bulb making session was handled by Mr. Habin Varghese, Lab instructor of IES College of Engineering and Technology. He trained the teachers to make LED bulbs and repair damaged LED bulbs in a sustainable way. The teachers were actively involved in the training program. A tissue culture session was held by Ms. Fauzia K M, Assistant Professor Department of Biotechnology, MES college, Marampilly, where she explained and demonstrated various experiments to the participants. She also explained various topics like Plant tissue culture, media preparation, sterilization of explant and final inoculation of explants. The Bio-composting and Biowaste management session was handled by Ms. Steffy P Vinson from Department of Biotechnology, MET'S School of Engineering, Mala. She explained topics like house hold bio composting and waste management from kitchen waste. Her class focused on sustainability of kitchen waste management. The compost prepared from vegetable waste and food waste is important and can be effectively used for terrace farming and for vegetable gardening. The produced Bio-compost is rich in Nitrogen, Phosphorus and Potassium and most suitable for vegetable gardening and agricultural purposes. Finally, a session was arranged for the teachers wherein topics like seed ball production, its storage during adverse climate and future use and planting the seeds in forests were discussed by Dr. P. C. Madhu, Professor, Dept. of Biotechnology.

Sl. No.	Name of Educational District	Programme
1.	Ernakulam (7/02/2025) Govt. HS Pulikamaly	Mushroom Cultivation and its medical application and Seed Ball Making
2.	Aluva (02/12/2024), MES College Marampilly	Mushroom Cultivation and its medical application and Tissue Culture
3.	Muvattupuzha (21/2/2025), Guardian Angel School Mannoor	LED Bulb Making and Seedball Making
4.	Kothamangalam (11/10/2025), Sobana EMHS School, Kothamangalam	Mushroom Cultivation and its medical application and Domestic waste management
5.	Ernakulam (27/03/2025) St.peter's College Kolenchery	Mushroom Cultivation and Bio-composting



## NATIONAL GREEN CORPS THRISSUR

### 1. Thrissur educational district

Thrissur district organized four Sustainable life style workshops for Ecoclub teachers of Thrissur district.

Govt. Model Girls High School Thrissur - 25-07-2024

Shikshak Sadan, Muthuvattoor Thrissur - 29-11-2024

Carmel School Hall Mala - 29-10-2024

CKCGHS Pavaratty- 05.12.2024

310 teachers from various schools in the district attended the hands on training. Classes were conducted by experts on various subjects

#### *Thrissur educational district 1*

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub teachers at Govt. Model Girls High School Thrissur on 25.07.2024. The programme was inaugurated by Smt Jeeja Vijayan, AEO Thrissur East. 85 teachers participated. Technical sessions were handled by Shri. Prem K, KFRI on Plantation techniques of budding, grafting etc and Dr. Babu , Biologist on Bird watching .



**1. Thrissur educational district 2**

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub teachers at Govt. Model Girls High School Thrissur on 28-11-2024. The programme was inaugurated by Smt ShylaT, AEO Iringalakkuda. 80 teachers participated. Technical sessions were handled by Dr Robin, Dr. Jijo, Kurian Jacob, N.J James on Mushroom cultivation and Bird watching.

**2. Chavakkad educational district**

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub teachers at Carmel School Hall Mala on 29-10-2024. The programme was inaugurated by Smt Jayasree PM, AEO Chavakkad. 75 teachers participated. Technical sessions were handled by Shri. Suresh, Kurian Jacob, N.J James on Plantation techniques of budding, grafting, layering , Terrace farming and Bird watching .





### 3. Iringalakkuda educational district 2

EEP- Kerala Thrissur District Organised Sustainable Life style workshop for Ecoclub teachers at Library Hall Guruvayoor on 09.08.2024. 70 teachers participated. Technical sessions were handled by Shri. Prem K, KFRI on Plantation techniques of budding, grafting etc and Dr. Babu , Biologist on Bird watching .



**NATIONAL GREEN CORPS PALAKKAD**

As part of conducting sustainable lifestyle workshop organized by the District Implementation Committee, National Green Corps, Palakkad for Ecoclub teacher co-ordinators, 4 workshops for Teachers conducted. The details of the workshops as follows.

Date Venue and Number of Participants:

4. 27.1.2025, GUPSEdathara, Parali, 21 Participants
5. 28.1.2025 , BRC Puthur, Palakkad, 54 Participants
6. 29.1.2025, BRC Kuzhalmannam 27 Participants
7. 30.1.2025 MESHSS Mannarkkad 83 Participants.

During the District level NGC implementation committee meeting chaired by Hon. Addl. District Magistrate, Palakkad, the NGC District coordinator pointed out the lack of participation of schools as well as Teacher coordinators and students in district level NGC activities, a decision taken to convene a DEOs meetings under the leadership of DDE. Based on this meeting, 4 workshops conducted in different venues as decided by the meeting with DEOs and AEOs of Palakkad under the leadership of Deputy Director of Education a total of 185 Teachers participated.





As prescribed in the project proposal, All the topics covered such as Sustainable lifestyle for a healthy life by Sri. S. Guruvayurappan, 'RRR' Principle by Sri K A Ajesh, hands on training on LED Bulb and Tube-light making by Sri. Jose Daniel, Bird and Wildlife identification APPs by the Ornithologists such as Sri Krishnamoorthi and Sri. Ranjith Jose, Waste management methods by Sri. Sree G Aadhitia, Sree G Hariharan given to the participants. Sessions on the tasks to identify birds, preparation for scientific projects, raising plant nurseries etc to be taken up by NGCs made. Discussions in this regard made in the workshops. Need for involvement of all students of the NGC schools was highlighted in the workshops. Teachers actively participated in the discussions and in practical sessions.

## **NATIONAL GREEN CORPS MALAPPURAM**

### ***1. Tirur Educational District***

Date: 19.10.2024

Venue: GMUPS Tirur

DIMC Malappuram conducted sustainable life style workshop for teachers of Tirur Educational district at GMUPS Tirur on 19.10.2024. A total of 75 teachers attended the workshop, demonstrating strong enthusiasm and active engagement in discussions.

The workshop began with a formal inauguration by Ramesh Kumar, DDE Malappuram, who set an optimistic tone for the day's proceedings. In his opening address, he emphasized the crucial role of educators in cultivating environmental awareness among students.

Hamid Ali Vazhakkad, the District Coordinator, led the first session with an engaging discussion on effectively organizing and managing Environment Clubs. The next session of the workshop was conducted by Abdulla Tirur, who provided an insightful and hands-on introduction to budding and crafting techniques in horticulture. The final session was conducted by VP Usman, the Harita Sena Kutippuram Sub-District Project Coordinator, who provided comprehensive guidance on developing and executing strategic projects within Environment Clubs. He systematically outlined the step-by-step process of initiating impactful environmental initiatives, covering key aspects such as idea generation, goal setting, implementation strategies, and impact assessment.

The workshop aimed to equip teachers with the knowledge, skills, and strategies necessary to instill environmental stewardship in students. By offering insights into effective club management and innovative activity planning, the training sought to empower educators to inspire young minds toward active participation in conservation efforts and sustainable living.





## 2. Wandoor Educational District Date: 28.09.2024

Venue: GLPS Pookottur

Held on September 28, 2024, at GLPS Pookkottoor, the program focused on raising awareness about sustainability and encouraging teachers to take an active role in protecting the environment. Special emphasis was placed on biodiversity conservation, climate change mitigation, and natural resource management. The session helped students understand the impact of pollution, deforestation, and global warming while equipping them with practical ways to address these challenges in their daily lives.

As part of a larger effort to promote sustainability among youth, the workshop encouraged students to take small but meaningful steps, such as reducing plastic waste, conserving water, planting trees, and spreading awareness in their communities. By engaging students from various schools across Malappuram district, the program aimed to build a generation of environmentally conscious individuals committed to making a difference.

75 teachers attended the training programme. The sessions were handled by

- Ismail Master, President, Pookottur Grama Panchayat
- Hamid Ali Vazhakkad District Coordinator, National Green Corps Malappuram
- Abdul Rahiman A NGC Joint Coordinator , Wandoor Educational district
- Amin S Puma Nature Society
- Sabir P Harita Sena District Project Coordinator
- Sambath Ct Teacher, GMUPS Cheerankadappuram
- Bindu K Teacher, MSP Malappuram



### ***3. Tirurangadi Educational District***

Date: 05.10.2024

Venue: PSMO College Tirurangadi

Held on October 5, 2024, at PSMO College, Tirurangadi, the program focused on raising awareness about the importance of adopting sustainable lifestyles. Special emphasis was placed on biodiversity conservation, climate change mitigation, and natural resource management. In response to growing environmental concerns such as pollution, deforestation, and global warming, the workshop sought to equip students with essential knowledge and practical tools to address these challenges effectively.

A key highlight of the event was the field sessions, where teachers actively participated in bird and butterfly watching, as well as plant identification activities. These immersive experiences introduced them to local biodiversity, allowing for firsthand observation and appreciation of various species in their natural habitats. This practical approach deepened their understanding of the critical roles these species play in maintaining ecological balance. This initiative is part of a broader effort to integrate sustainability into daily life and emphasize the importance of youth involvement in environmental conservation. By engaging teachers from schools across Malappuram district, the workshop aimed to foster a sense of responsibility toward nature and encourage long-term commitment to sustainable practices within their communities.

The workshop commenced with a formal inauguration by K.P. Muhammed Kutty, Chairman of Tirurangadi Municipality, who set an optimistic tone for the day's proceedings. In his opening address, he emphasized the pivotal role of educators in fostering environmental awareness among students. Technical sessions were handled by KP Muhammed Kutty, Chairman, Tirurangadi municipality, P Kabirali, Bhumitra Sena Club - in charge faculty



Hamid Ali Vazhakkad, District Coordinator, National Green Corps- Malappuram Sabir P, State LED Trainer



#### 4. Malappuram Educational District

Date: 17.8.2024

Venue: Nilambur Forest Range

The workshop was inaugurated by Shri. Danik Lal, Wildlife Warden of Karimpuzha Wildlife Sanctuary, Nilambur. He shared insights from his journey in conservation, emphasizing the vital role of environmental education in today's world.

Hamidali Vazhakkad, the District Head of the National Green Corps, expressed his enthusiasm for the initiative and encouraged students to embrace environmental stewardship. Sreejesh Nair, the Central Nursery Range Officer, spoke about the vital role of biodiversity in maintaining ecological balance. Saji John, the Beat Forest Officer, emphasized the importance of local flora and fauna in sustaining healthy ecosystems. Sha Niyas spoke on contemporary environmental challenges and disasters.







**NATIONAL GREEN CORPS KOZHIKODE**

**1. Kozhikode Educational District**  
**05/10/2024 – First workshop – Ramakrishna Mission Higher Secondary School, Meenchanda, Kozhikode**

First sustainable lifestyle workshop for teachers in Kozhikode district was conducted on 05 October 2024 at Ramakrishna Mission Higher Secondary School, Meenchanda. 59 teachers were attended the workshop.

Srimad Swami Narasimhanandaji, Manager, Ramakrishna Mission Higher Secondary School inaugurated the function. Manoj Kumar G, Principal, Ramakrishna Mission HSS presided the function. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Preparation of Bio-diversity register and Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making). P. Sidharthan, District Co-ordinator, NGC & EEP Kozhikode welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerficates and TA were distributed after the sessions and workshop concluded by singing National Anthem.





## 2. Vadakara Educational District

### 08/10/2024 – Second workshop – DIET Vadakara

Second sustainable lifestyle workshop for teachers in Kozhikode district was conducted for on 08 October 2024 at DIET Hall, Vatakara. 60 teachers were attended the workshop.

Dr. Abdunnassar U.K., Principal, DIET Kozhikode inaugurated the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode presided the function. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Preparation of Bio-diversity register and Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making). Satheesan Kollarakkal, NGC co-cordinator, Vadakara educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerfificates and TA were distributed after the sessions and workshop concluded by singing National Anthem.







### ***3. Thamarassery Educational District***

#### ***26/10/2024 – Third workshop – GHSS Neeleswaram, Thamarassery***

Third sustainable lifestyle workshop for teachers in Kozhikode district was conducted for on 26 October 2024 at GHSS Neeleswaram, Thamarassery. 54 teachers were attended the workshop.

Prof. Shukoor K.H., Principal, M.A.M.O. College, Mukkam inaugurated the function. Usha K.V., Headmistress, GHSS Neeleswaram presided the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode introduced the EEP programmes. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Preparation of Bio-diversity register and Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Sreekekha P.C., Asst. Prof. Mores College of Arts & Science, Chembra & Research Scholar, University of Calicut (Whispers of the Night: An introduction to Moths). K.P.U. Ali, NGC

co-coordinator, Thamarassery educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Certificates and TA were distributed after the sessions and workshop concluded by singing National Anthem.



#### **4. Kozhikode Educational District**

##### **02/01/2025 – Fourth workshop – GTTI (Men) UP School, Mananchira**

Fourth sustainable lifestyle workshop for teachers in Kozhikode district was conducted for on 02 January 2025 at GTTI (Men) UP School, Mananchira. 59 teachers were attended the workshop.

M.A. Johnson, Member, DIMC, NGC Kozhikode inaugurated the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode presided the function and introduced the EEP programmes. The hands-on training sessions were conducted by Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation), Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making) and Sreekekha P.C., Asst. Prof. Mores College of Arts & Science, Chembra & Research Scholar, University of Calicut (Paper bag making). Satheesan Kollarakkal, NGC co-coordinator, Vadakara educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Certificates and TA were distributed after the sessions and workshop concluded by singing National Anthem.





## NATIONAL GREEN CORPS WAYANAD

### *1. Wayanad 1 MSSRF Training programme*

Ministry of Environment, Forest and Climate Change, Kerala State Council for Science Technology and Environment. The teachers were trained as part of the Sustainable Lifestyle Workshop under the aegis of Wayanad District National Green Army. The training was held on 17 December 2024 at M S Swaminathan Research Centre. It was directed by Shashindra Vyas. The meeting was presided over by association president K. P. Sunil Kumar. District coordinator C Jayarajan welcomed and Justin Prakash proposed the vote of thanks. Biologist Dr. CP Shaji took a class on environmental protection. A.C. Mathews also provided training in paper bag making. A field visit was also conducted in connection with the workshop.





## 2. Wayanad II

### *S K M J Higher Secondary School, Kalpetta*

The workshop held at S K M J Higher Secondary School, Kalpetta on January 18, 2025 was inaugurated by Kerala State Biodiversity Board Chairman Mr. N. Anilkumar, Hume Center Director Dr.T.R. Suma presided over the function. S E R T Research Officer Dr. T V Vinesh conducted a class on the environmental problems of Wayanad and ways to protect it. Dr. T. R. Suma took a class on bird watching. The training, held at Little Flower UP School, Mananthavady on February 18, 2025, was inaugurated by the school headmistress, Sister



Sheena Jacob. National and State Award-winning farmer Mr. Shaji Kedaram conducted a class on the unique characteristics of tuber varieties and how to cultivate them. An exhibition of more than 600 tuber varieties was also held.



**NATIONAL GREEN CORPS KANNUR**

**1. Kannur Educational District**

**Date: 29/7/24: Science Park Kannur (9.30 am to 4 pm)**

The inauguration of the sustainable lifestyle workshop was done by Assistant Collector Sri. Grandhe Saikrishna IAS. Sri Babu Maheswari Prasad the deputy director of education was chief guest and Sri T E Ravidas made the presidential speech. The welcome speech by NGC district coordinator Sasidharan Manekkara. 88 teachers and 5 resources participated in the workshop.

The first session was about the role of eco club teachers in establishing and functioning the NGC eco club unit in schools. Two training classes, one was the identification of butterflies



and their role in the ecosystem. Another was the introduction to birdwatching and its practical side. PowerPoint presentations and video clips were utilized in these two training classes.

The afternoon session was Beekeeping. It was a hands-on training. Sri Shaju Joseph demonstrates the practical side of beekeeping with equipment used for honey cultivation. After the class distributed the certificate and ended the workshop.



## **2. Thalassery Educational District    Date: 5/8/24: GVHSS Chirakkara, Thalassery.**

The inauguration of the sustainable lifestyle workshop was done by. Sri Babu Maheswari Prasad the deputy director of education and Smt: Sreeranja made the presidential speech. The welcome speech by NGC district coordinator Sasidharan Manekkara. 71 teachers and 5 resources participated in the workshop.

The first session was about the role of eco club teachers in establishing and functioning an NGC eco club unit in schools. This session mentioned the various programmes going to be conducted this year through EEP. Also clearly explained the registration process of the EEP site and the uploading of photos. Two training classes, one was the identification of butterflies

and their role in the ecosystem. Another was the introduction to birdwatching and its practical side. PowerPoint presentations and video clips were used for conducting these sessions. The afternoon session was Beekeeping. It was hands-on training. Sri Shaju Joseph demonstrated the practical side of beekeeping with equipment used for honey cultivation. It was interesting and useful for teachers. He also mentioned the role of bees in the environment. After the evaluation by teachers, distributed the certificate.



### ***3. Thaliparamba Educational district***

***Date: 9/8/24: Kila Center, Karimbam, Thaliparamba(9.30 am to 4 pm)***

Sri Rajeev P M (principal of Kila Canter, Karimbam, Taliparamba) Inaugurated the sustainable lifestyle workshop for teachers. During the inaugural speech mentioned the importance and need for a sustainable lifestyle to be adopted for a better future. Also gave a clear picture about the policy of lifestyle and its practical side. The first session was about the role of eco club teachers in establishing and functioning an NGC eco club unit in schools.



This session was done by Sri .T P Padmanabhan. He clearly described the various programmes going to be conducting this year through EEP. Also explained the registration process of the EEP site and the uploading of photos

Two training classes, one was the identification of butterflies and their role in the ecosystem. Another was the introduction to birdwatching and its practical side. PowerPoint presentations and video clips were used for conducting these sessions.

The next session was budding and grafting. It was a demonstration class in the field. Sri. Satheesan P clearly described the theoretical and practical side of budding and grafting and all the participants got a clear idea about the process

The afternoon session was Beekeeping. It was hands-on training. Sri Shaju Joseph demonstrated the practical side of beekeeping with equipment used for honey cultivation. It was interesting and useful for teachers. He also mentioned the role of bees in the environment. After the evaluation by teachers, distributed the certificate.



#### ***4. Payyannur Educational District***

***Date: 08/10/24: Mangrove Study Canter, Edat, Payyanur(9.30 am to 4 pm)***

Sri T P Padmanabhan inaugurated the programme with the class about EEP and its practical side connected with present environmental issues and problems. Clearly described the role of eco club coordinator teacher in the school and how to train and make behavior changes among the students. After the inauguration district coordinator demonstrated the process of EEP registration and the way of uploading photos and reports on EEP PORTAL.



After the tea break, all the participants were grouped into three for the smooth functioning of the field trip. The first group in the mangrove study was guided by Ramith and Naveenkumar, the second group birdwatching with Sasidharan Manekkara, and the last group with Nisha T. K for butterfly watching. Before the lunch break, all the participants got an idea about three classes by changing the groups.

After lunch, all members attended the class arranged in the study center hall. With PowerPoint presentations and video clips showing the wonderful world of birds and butterflies. After the evaluation the teachers distributed the participant certificate.



## NATIONAL GREEN CORPS KASARGOD

Topics of awareness class conducted.

- Nature education and duties of NGC students.
- Butterfly Garden and its importance
- Birds & ecosystem
- Mushroom culture.
- Hands on training in liquid detergent preparation

### ***1. Kasargod educational district***

First batch of Kasaragod educational district was held on 06/07/2024 at Uduma Grama panchayath community hall. Kasaragod DDE Sri. TV Madhusoodanan inaugurated the training. Sri T P Padmanabhan and MP Unnikrishnan handled the classes on Nature conservation and Importance of butterfly garden respectively.

Hands on training in mushroom cultivation and liquid detergent preparation was given by Valsala Bhaskaran and Sathyanarayanan.K respectively. Teachers actively participated in the training.

### ***2. Kanhangad educational district***

Second batch was held on 08/07/ 24 at Uduma Grama panchayath community hall. Hands on training in mushroom cultivation and liquid detergent preparation was given by Valsala Bhaskaran and Sathyanarayanan.K respectively. Teachers actively participated in the training.

Teachers Training :-



Teachers Training @ Vidyanagar AP Community Hall



Teachers Training - Kanchanpur @  
GVHSS Technipur



Teachers Training - Inauguration  
DDE Kanarajpur Sri Sri Mathuravaram



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# **ENVIRONMENT EDUCATION PROGRAMME KERALA**

## **SUSTAINABLE LIFE STYLE WORKSHOP FOR NATIONAL GREEN CORPS ECOCLUB STUDENTS**

***Report 2024-25***  
***A Programme of***



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE  
GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
TECHNOLOGY AND ENVIRONMENT,  
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## **SUSTAINABLE LIFE STYLE WORKSHOP FOR NATIONAL GREEN CORPS ECOCLUB STUDENTS**

Kerala State Council for Science, Technology under Environment, under Environment Education Programme (EEP Kerala), the revamped programme of National Green Corps funded by MoEF & CC organised Sustainable Life style workshop for Students in charge of ecoclubs in the State. One day Training programmes on Mission LiFE organised in educational district wise in all districts. The training programmes were organised by KSCSTE in association with the District Implementation & Monitoring Committee of NGC.

KSCSTE organised **50 training programmes** starting from September 2024 to March 2025 in the various educational districts. **4281** students from various schools participated in the programme. Technical sessions on various LiFE topics were handled by the eminent resource persons in the field.

Hands on training to students on the following topics were given

- Tissue culture
- Waste management techniques
- Plantation methods
- Mushroom cultivation
- Water quality analysis
- Paper bag & Seed Pen making
- Recycling of old clothes
- Led bulb making workshops
- Making seed balls
- Identification of medicinal plants
- Identification of butterflies
- Bird watching
- Awareness programme on Millet Revolution
- Wild life protection
- Conservation of sea turtles
- Traditional knowledge transfer etc.

Minimum two topics were covered during each training programme. Certificates were given to the teachers who had successfully attended the training workshop.

### **THIRUVANANTHAPURAM**

#### ***1. Thiruvananthapuram Educational District (30/11/2025)***

The Training programme in Thiruvananthapuram was organized with the assistance of the District Education Officers (DEOs) and Assistant Education Officers (AEOs) of the



respective districts. The event was held at the Government Higher Secondary School in Mannanthala.

On 30/11/2024, a Sustainable Lifestyle Training Programme for students was conducted at Government Higher Secondary School, Mannanthala, within the Thiruvananthapuram Educational District. The event was inaugurated by Smt. Leena, AEO North, with the keynote address delivered by Dr. K.G. Ajit Kumar, District Coordinator. Sri. Byju, PTA President, presided over the programme, while Smt. Sunil Kumary gave the welcome address and Smt. Preetha delivered the vote of thanks. A total of 115 students from various schools participated in the workshop.

### ***Technical Sessions Conducted:***

#### **1. Mushroom Cultivation Training**

Dr. Heera, Assistant Professor at Kerala Agricultural University, led the Mushroom Cultivation session. She provided both theoretical insights and hands-on training for the students.

#### **2. Paper Craft Session**

Smt. Divya, Craft Teacher from Government Girls HSS, Kanyakulangara, conducted a highly engaging paper crafting session, where students learned the art of creating crafts using paper.

1. Pen Stand: Roll waste paper into tubes to create a pen stand.
2. Paper Organizer: Create a small desktop organizer from folded waste paper.
3. Bookmarks: Cut waste paper into strips and decorate.
4. Gift Bags/Envelopes: Repurpose old magazines or wrapping paper to make small gift bags or envelopes.

#### **3. Seed Ball Pen Making**

Smt. Seba, a trainer in seed ball pen making, guided the teachers and students in creating their own eco-friendly seed pens, combining environmental sustainability with creativity.





## ***2. Nedumangad Educational District (04/01/2025)***

The Attingal Education District consists of five subdistricts. The workshops were organized on two different dates. The first session included two subdistricts: Palode and Nedumangad. The event was officially inaugurated by Ms. Sakshi Mohan, IAS, Assistant Collector of Thiruvananthapuram. The keynote address was delivered by Dr. K.G. Ajit Kumar, District Coordinator for EEP-NGC, Thiruvananthapuram. The PTA president presided over the function. Mr. Lal Kumar, a teacher, welcomed the gathering, and Smt. Raji, another teacher, gave the vote of thanks.

Following the inaugural session, separate hands-on sessions were conducted for both students and teachers. A notable session was a talk on biodiversity delivered by Sri. Satheesan, a retired Range Officer. A total of 110 students were participated.

### ***Sessions1. LED Bulb Preparation Hands-on Training***

1. The session focused on teaching students how to prepare LED bulbs.
2. Emphasis was placed on the benefits of using energy-efficient lighting as part of a sustainable lifestyle.
3. Students were guided through the process, learning practical skills related to eco-friendly practices and energy conservation.

Resource persons for this session were three Electrical Engineering students from the College of Engineering Thiruvananthapuram. They provided training for students on preparing LED bulbs. Supported by the Ministry of Environment, Forest, and Climate Change (MoEF&CC), this hands-on training is crucial for promoting a sustainable lifestyle.



## ***Session.2.Cloth Bag Preparation: Hands-on Training for Students on Sustainable Lifestyles***

***Trainer: Smt. Divya, Craft Teacher, Govt. Girls HSS, Kanyakulangara***

The Hands-on Training for Cloth Bag Preparation is an initiative aimed at empowering students with the skills necessary to create eco-friendly cloth bags. The training is supported by the Ministry of Environment, Forest, and Climate Change (MoEF&CC), Government of India, and is aligned with the broader goals of reducing plastic waste and promoting sustainable alternatives.

Through this training, students learn how to make reusable cloth bags, which can be incorporated into their curriculum and serve as a practical way to encourage eco-friendly habits in their communities.

## ***Session 3: Seed Ball Pen Making***

**Trainer:** Smt. Seba, a specialist in seed ball pen making, guided students on how to create eco-friendly seed pens using waste paper.

The goal of this training was to teach students how to instruct students in creating sustainable seed pens made from recycled paper. These pens, after being used, can be planted to grow into plants, offering a fun and eco-friendly way to promote sustainability.





### ***3. Neyyattinkara Educational District. (01/02/2025)***

Dr. A G Pandurangan Former Director of JNTBGRI inaugurated the programme. Prof. Peethambaran presided over the function Dr. K.G. Ajit Kumar, District Coordinator of the EEP-NGC Thiruvananthapuram, gave a detailed description of the training programme. Dr. Priyanka, Convenor of the Kattakada Sub-District, welcomed the gathering. Following this, the teachers and students were divided into groups for hands-on training sessions on bud grafting, biochar, and seed ball preparation.

Prof. Peethambaran, Former Director and Dean of Kerala Agriculture, conducted separate sessions on bud grafting and biochar for teachers. Dr. Pandurangan, Former Director of JNTBGRI, delivered sessions on biodiversity for both teachers and students. A feedback session was held afterward, where participants appreciated KSCSTE and NGC for offering such a valuable opportunity through the training programme. A total of 108 students were participated.

#### ***Session.1. Biochar in Hands-On Training for Students***

This session was handled by Prof. Peethambaran Former Director of research, College of Agriculture Thiruvananthapuram. He trained students how to make biochar Biochar preparation training is highly beneficial for students, especially those interested in sustainable agriculture, environmental science, and renewable energy. Here are key points that highlight the relevance of biochar preparation training: Biochar preparation training is highly relevant for students as it equips them with critical skills and knowledge to address key global challenges like climate change, soil degradation, and waste management. It also opens doors for entrepreneurial opportunities, particularly in sustainable agriculture and renewable energy sectors. Through this training, students gain valuable insights into innovative and eco-friendly solutions that can have a significant impact on both the environment and society.

#### ***Session.2. Bud Grafting Training for Hands-On Training for students as Part of Sustainable Lifestyle***

Bud grafting is a horticultural technique where a bud from one plant (the scion) is inserted into the stem or branch of another plant (the rootstock) to propagate a desired variety. This method is widely used to propagate fruit trees, ornamental plants, and various crops. It allows the grower to combine the best qualities of two plants: the vigor of the rootstock and the fruiting or flowering characteristics of the scion.

Bud grafting is an important skill for promoting sustainability and a sustainable lifestyle. By training students in this technique, they gain the ability to teach their students and communities how to grow plants more efficiently, reduce reliance on external resources, and enhance biodiversity. Bud grafting fosters a deeper connection with nature, encourages resourcefulness, and teaches the principles of sustainable agriculture, which are crucial for addressing global challenges such as food security and climate change. Through hands-on training in bud grafting, teachers can empower their students to practice sustainability and cultivate a more eco-friendly lifestyle.

#### ***Session 3: Seed Ball Pen Making***

**Trainer: Smt. Seba**, an expert in seed ball pen making, guided teachers in creating eco-friendly seed pens from waste paper. This training aimed to teach teachers how to guide students in creating seed pens from waste paper. These pens are sustainable, and after use, they can be planted to grow into plants.



#### **4. Attingal Educational District. (15/02/2025)**

This training program included students from the sub-districts of Kilimanoor, Attingal, and Vakala. The program was officially inaugurated by Adv. S. Kumary, the Municipal Chairperson of Attingal. The function was presided over by Head Master Mr. Anil, and Smt. Bindu, the DEO, was the guest of honor. Ms. Sheeja, a teacher, welcomed the gathering, while Dr. Veena, another teacher, delivered the vote of thanks. After the inaugural session,

separate hands-on training sessions were conducted for both students and teachers. A total of 119 students were participated in the training pogramme

### ***Session.1.Mushroom Cultivation training programme for students***

Resouce person. Mr.Ajay traininer and former technical assistant at JNTBGRI,Palode handled the class and trained the methods for students.He provided an insightful session on the basics of mushroom cultivation, followed by a hands-on practical session. Students were trained on the procedures and techniques to grow mushrooms.

### ***Session.2. Hands-on Training for students on Paper Craft Using Waste Paper in the Classroom: A Sustainable Practices***

The Hands-on Training for Students on Paper Craft Using Waste Paper is an important educational initiative focused on promoting creativity, sustainability, and resourcefulness. It involves students learning to create paper crafts using waste paper, encouraging them to explore eco-friendly and artistic activities.

### ***Session 3: Seed Ball Pen Making***

**Trainer: Smt. Seba**, an expert in seed ball pen making, guided teachers in creating eco-friendly seed pens from waste paper. This training aimed to teach teachers how to guide students in creating seed pens from waste paper. These pens are sustainable, and after use, they can be planted to grow into plants.



## **KOLLAM**

National Green Crops Kollam District Organised a One day workshop for the Eco club School members on 22<sup>nd</sup>, 23<sup>rd</sup>, 29<sup>th</sup> and 30<sup>th</sup> August 2024 at the following centres

- 1) 22.08.2024: Girls High School, Karunagappally
- 2) 23.08.2024: Nitya Sahay Mata Girls High School, Kottiyam



- 3) 29.08.2024: Block Resource Center, Kottarakkara
- 4) 30.08.2024: St. Goretti Higher Secondary School, Punalur

Registration for the Sustainable Lifestyle Training for students under NGC Eco Club 2024-25 was held at 9.30 am at all 4 centers in the district and the training program began at 10.00 am

### ***1. Karunagappally Educational District***

The first training programme was arranged at Girls High School Karunagapally on 22.08.2024. The meeting was chaired by BHSS Principal Smt. Veena Rani at 10.00 am and inaugurated by School Manager Smt. Sreelatha. After welcoming the guests, the District Coordinator explained the need to adopt a sustainable lifestyle and the activities of the National Green crops. Mrs. K.G. Ambili and Mrs. Saritha the Teacher in charge of the Programme committee expressed their best wishes and teacher coordinator Mrs. Pratibha expressed her gratitude.

Subsequently the State Resource Group Member Shri Shanthakumar, NCSC Former State Coordinator Shri K.V. Ramesh, Former State School Resource Group Member Shri Sajeev TK, Mr. Reginald, a former member of the State School Resource Group and District Coordinator, T his team led the classes with enthusiasm and expertise students to explore new concepts based on the following topics at all centers.

- a) Making Toilet Soap, Soap Powder, Floor Cleaner
- b) Scientific projects based on environmental topics
- c) Pollution – Concept of 4 R's
- d) Eco clubs in schools and environmental activities



## ***2. Kottiyam Educational District***

The second training programme was arranged at Nithyasahayamatha Girls High School, Kottiyam on 23.08.2024 under the chairmanship of Deputy HM Mr. G. Jeffrey the programme was inaugurated by the Headmistress, Mrs. Judith Latha.. School coordinators Mr. Manoj and Mrs. Ajeena also extended their greetings. District Coordinator of National Green Crops welcomed the gathering and the School Coordinator Mrs. Leena expressed her sincere gratitude.



## ***3. Kottarakkara Educational District***

Kottiyam Third training Programme was conducted at Blake Resource Center, Kottarakkara on 29.08.2024 under the chairmanship of Shri K.V. Ramesh, Kottarakkara BPC, Mrs. Swapna Kuzhithadathil inaugurated the workshop for children. Mr. Shanthakumar and School Coordinator Mrs. Priya welcomed the gathering. District Coordinator of National green crops welcomed the gathering and School Coordinator Mrs. Rinju John expressed her gratitude for their support .



## ***4. Punalur Educational District***

Fourth training programme was arranged at St. Goretti Higher Secondary School, Punalur. School Eco Club members inaugurated the workshop on 30.08.2024 under the chairmanship of the school principal Mrs. T. Pushpamma. Mr. Mathew John inaugurated the workshop for the children who are member of the school eco club. School Deputy HM Mrs. Suja Varghese and Resource Member Mr. Shanthakumar expressed their greetings, District Coordinator of National Green Crops welcomed the gathering and School Coordinator Mrs. Leeja K. Benjamin expressed his sincere gratitude.





## **PATHANAMTHITTA**

### ***1. Pathanamthitta Educational District***

Date: 07/12.2024

Venue: Govt. HS Auditorium Kozhencherry

Total no. of Participants: 134

NGC Hands on training for the ecoclub students of Pathanamthitta Educational District on 7<sup>th</sup> December 2024 at Govt. HS Auditorium Kozhencherry. The programme was inaugurated by Smt. Smt.B R Anila, Deputy Director of Education, Pathanamthitta in the meeting presided by Shri. Baiju V Pillai, NGC District Coordinator Pathanamthitta.

### **Technical Sessions details**

- 1)Dr. JG Roy, Director School of Biosciences Mahatma Gandhi University on Scope of Sustainable lifestyle and its contemporary significances. The Objective of the session. is to enhance Sustainable Lifestyle practices among teachers and students
- 2)Sri. Biju Mathew, Resource person, Energy Conservation Society Kerala on the Significance of Hydroponic Farming which helps the children makes hydroponic system in schools and understands the scope of Hydroponic Farming. Hands on training on Making of Hydroponic System.
- 3)Dr. S Vidhu, Principal Padasala Pathanamthitta on the topic, Challenges of Sustainable Life Style in our Society which enables the children to follow sustainable Lifestyle practices.

The session concluded by the remarks by the participants about the training and distribution of participation certificates and TA.



## 2. Thiruvalla Educational District

Date: 03.10.2024

Venue: DIET Auditorium Thiruvalla

Total no. of Participants: 137

NGC Hands on training for the ecoclub students of **Thiruvalla** Educational District on 3<sup>rd</sup> October 2024 at DIET Auditorium Thiruvalla. The programme was inaugurated by Smt. Smt.B R Anila, Deputy Director of Education, Pathanamthitta in the meeting presided by Shri. Baiju V Pillai, NGC District Coordinator Pathanamthitta.

1. Dr. Sarun S, Centre for Disaster Management Studies Sri Sankaracharya University Kalady on the topic Disaster Management. Mitigating the impacts of Natural Disasters - Flood. The objective of the session is to educate the students on disaster preparedness, measures and to enhance their ability to respond effectively during a crisis - Natural Disasters. Also conducted Mock drills on Disaster Management – Flood.
2. Sri. Biju Mathew, Resource person, Energy Conservation Society Kerala on the Significance of Hydroponic Farming which helps the children makes hydroponic system in schools and understands the scope of Hydroponic Farming. Hands on training on Making of Hydroponic System.
3. Prof. P G Philip, Retd. Prof. in Chemistry, OISCA South Kerala President, YMCA Environment Board Member Kerala Chapter took classes on Sustainable Lifestyle – Easing the way to practice sustainable lifestyle Teachers report on school Eco club activities and made suggestions to enhance eco club programs.

The session concluded by the remarks by the participants about the training and distribution of participation certificates and TA.





## **ALAPPUZHA**

### ***1. Cherthala educational district***

#### ***Batch 1***

NGC Alappuzha organized Sustainable Life style workshops for Students under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on **19/10/2024** at Govt. Girls HSS smart Hall, Cherthala. 61 Eco club students from different schools participated in training.

The details of the programme are as follows: -

Sri. Radhakrishnan, JC, NGC, Cherthala on Paper products & Paper bag preparation.

Sri. John Baby, MD, Kuttanadan Initiatives on Eco friendly products and toys preparation

Sri. Madhu Krishna, State coordinator, GESM on Energy Conservation

After the technical sessions the students shared their Experience and TA, Certificates issued to all participants.

#### ***Batch 2***

NGC Alappuzha organized Sustainable Life style workshops for Students under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 19/10/2024 at Govt. Girls HSS smart Hall, Cherthala. 66 Eco club students from different schools participated in training.

- Sri. Biju Mathew, JC, NGC, Pathanamthitta: Energy Conservation & Energy efficient equipments
- Sri. Josekutty Sebastian, JC, NGC, Kuttanad: Wetland conservation
- Sri. Radhakrishnan, JC, NGC & SEP/EMC, Cherthala: Paper products & Paper bag preparation

### ***2. Alappuzha educational district***

NGC Alappuzha organized Sustainable Life style workshops for Students under NGC Eco clubs 2023-24, of Alappuzha educational district with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 04.01.2025 at Govt. Girls HSS smart Hall, Alappuzha. 45 Eco club students from different schools participated in training.

- Sri. Biju Mathew, JC, NGC, Pathanamthitta: Energy Conservation & Energy efficient equipments
- Sri. Josekutty Sebastian, JC, NGC, Kuttanad: Wetland conservation
- Sri. Radhakrishnan, JC, NGC & SEP/EMC, Cherthala: Paper products & Paper bag preparation

After the technical sessions the students shared their Experience and TA, Certificates issued to all participants by Smt. Sobhana Tr, AEO, Alappuzha.

### **3. Mavelikara educational district**

NGC Alappuzha organized Sustainable Life style workshops for Teachers under NGC Ecoclubs 2024-25, of Alappuzha educational district with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 01.02.2025 at Govt. TTI Hall, Mavelikara. 64 Eco club students from different schools participated in training.

The programme was inaugurated by Smt Bhamini Das, Asst. Educational Officer, Mavelikara in the meeting presided by Sri. Sreekumar.H, DC, NGC, Alappuzha. Sri. R. Rajesh, JC, NGC, Mavelikara, Vana Mitra award Winner gave the welcome speech and Sri. Gireesh, Principal, Govt.TTI, Mavelikara gave vote of thanks.

- Sri. Biju Mathew, JC, NGC, Pathanamthitta: Energy Conservation & Energy efficient equipments
- John Baby, Eco friendly products and toys preparation
- Sri. Radhakrishnan, JC, NGC & SEP/EMC, Cherthala, Paper products & Paper bag preparation







## KOTTAYAM

### ***1. Kanjirappally Educational District.***

On 23'd October 2024 we conducted a workshop at GVHSS, Ponkunnam, Kanjirappally Educational District. Sri. Rakesh KA, DEO, Kanjirappally inaugurated the workshop. Sri. Shan Kallungathara, took class on vegetable gardening in schools. At 12am Sri. Manu (Electronics Enggr.) took class on LED Bulb repairing. In the afternoon Sri. Hari Palazhi took class on soap making.

### ***2. Kottayam Educational District***

On 9th Octo.2024, we conducted a workshop at NSS HSS, Kidangoor. Dr Ramachandran (President Meenachil River Samrakshana Samithy) inaugurated the workshop. Sri. Shan Kallungalthara took class on Vegetable Gardening in schools. Then Mr. Manu took class an LED Bulb making and repairing. In the afternoon Sri. Hari Palazhi took a demonstration class on Soap making.

### ***3. Kaduthuruthy Educational District***

On 30th Aug 2024 we conducted the workshop at AJJMGHSS, Thalayolaparambu, Kaduthuruthy Educational District. Dr. P. Arumughan, Director, Training, Rubber Board inaugurated the programme. Sri Jose A. J, Deputy Director NRT (RB) took class on Activities of Eco Clubs in Schools. Then Sri. Biju Joseph, Trainer, Bee keeping Rubber Board, took class on Bee keeping and Rearing.

In the afternoon session Sri. Premnath (Rtd. S. E, KSEB) took class on Assembling and repairing of LED Bulbs.

### ***4. Pala Educational District***

On 28th January 2025 we conducted a workshop at St. Mary's E. M. School, Manarcad. Fr. Mathew Manavath, Manager, St. Mary's Engr., Med. School, inaugurated the programme. Smt. Swapna Mathew took class on Eco Club in schools. Then Sri. Somanath took a demonstration class on Soap Making. In the afternoon Sri. Premnath (SE, KSEB) took a class on LED Bulb repairing and making.





## IDUKKI

Idukki district level student's workshop was successfully completed in three centers on 24<sup>th</sup> October and 28<sup>th</sup> October and 4th November.

### *1.Thodupuzha Educational District*

The first workshop was convened at Thodupuzha SSSHS auditorium started at 9:30 am and ended at 3:30pm . There was six section in the workshop. Registration, Inauguration Ice breaking Hands on training Interactive session, Evaluation and giving away certificates. There were 55 students taken part in the training program. They all had undergone all our program schedules. The program was inaugurated by the DDE of Idukki Mr. Shaji S. He delivered a good speech encouraging the children to dedicate themselves for the future Environmental updates. Mr. Bijoy Mathew also addressed the students explaining his experiences with the location environment. After the inaugural session there was a tea break. An ice breaking session was there and it was a rare opportunity for most of them . Some students had the occasion to introduce themselves and address the audience.

### **Hands on Training**

Two types of practical training had been convened for the children. First one was mushroom cultivation techniques. It was managed by Sri. Baiju Varghese. They were taught about bed making, spore preparation it's reading, yield increasing, humidity maintenance, prevention of diseases, marketing strategy etc .The second practical training was on basic electrical awareness with tools and apparatus. They were given the ABC of electrical connection, power transmission, advantages and disadvantages of open wiring, electricity redemption and other like things. There are two interactive session by Mr. Joseph Mundanchira Rtd. Principal from the USA and Mr. NB Nasar president of Kerala Forest and Tourism promotion Council. The students were taught about NGC, Eco- clubs number of students in a club, office bearers monthly or forth nightly programs. Eco-dub activities inside and out of the school, bio diversity patterns, importance of planning of trees, deforestation, global warming etc by the district coordinator. By the end of the workshop students were distributed with the certificates and TA. In the evaluatory session students also suggested two or three days workshop in the coming years.





## ***2. Kattappana Educational District***

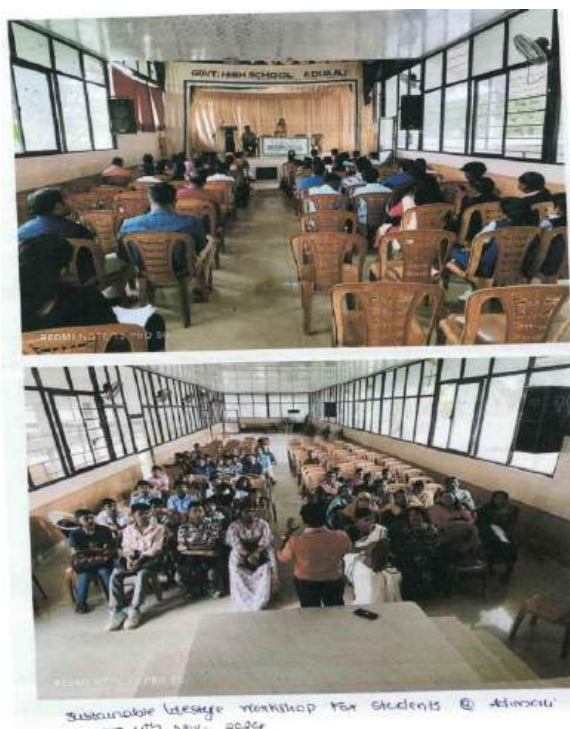
Whole the three trainings were somewhat similar except the inaugural ceremony, conclusion and interactive sessions. This workshop was started at 10:30am . Inauguration was done by Mr. K Yashodharan AEO of Kattappana. During the training The DEO of Kattappana Sri. Manikandan visited the program and addressed the students with his lifelong experiences with environment.

Mushroom cultivation program, electrical training and it's practicals were also so nice . They got enough opportunity to think and do more about mushroom cultivation and electrical awareness led by Mr. Radhakrishnan. Students interactive session was guided by Mr. Biju Joseph and district coordinator. In the evaluatory session students gave us valuable suggestions and recommendations in close touch with their surrounding issues. 100 students took part in the program.

## ***3. Adimali Educational District***

The training was on 4th November 2024 at GHS auditorium Adimali. AEO Smt. Aniyamma George inaugurated the workshop with an interesting and ever rememberable message. They were 30 students participated in the program and they were all given adequate training on Mushroom cultivation and Electrical awareness practical approach. They got enough time to discuss about the present environmental issues with the guidance of Mr. Surendharan

Adimali. The students gathers from a long distance travelling three and four hours in the Munnar region border of Tamil Nadu.



## ERNAKULAM

As per the sanction order (No 305/2024/KSCSTE dated 14/06/2024) from the Ministry of Environment, Forest and Climate Change to National Green Corps, Ernakulam District organized District level Sustainable Life Style Workshops for student members of the Eco-club on various topics during the financial year of 2024 – 25. Four workshops were organized for Eco-club students on topics like Mushroom cultivation, Tissue culture, LED Bulb making, Seed ball Making etc. The classes started at 10.00 AM and ended at 3.30 PM. The training classes were handled by distinguished faculty of various fields like, Agriculture, Electrical engineering etc. They provided theory classes and hands-on training on cultivation, harvesting and production of useful mushroom-based products.

### ***1. Aluva Educational District***

The first (Aluva Educational District) training programme was organized in association with Department of Biotechnology, MES College Marampally, Ms. Sreeja Rajeev, Consultant, State Horticulture Mission, Kakkanad. For the session on tissue culture Ms. Fauzia K M, Assistant Professor Department of Biotechnology, MES college, Marampilly explained and provided a demonstration to the participants on Plant tissue culture, media preparation, sterilization of explant and inoculation of explants. Also, a tissue culture lab visit at the same department was also arranged.

### ***2. Ernakulam Educational District***

The second training (Ernakulam Educational District) programme was arranged at Govt. HS Pulikamaly on Mushroom cultivation. The afternoon session of the class was on Seed ball making, how to store seeds even during adverse climate and on how to plant the seeds at a faraway place or inside forests.

### 3. Kothamangalam Educational District & Muvattupuzha Educational District

The third (Kothamangalam Educational District) and fourth (Muvattupuzha Educational District) training programme were organized together at St. George Church Parish Hall Mannoor, Muvattupuzha. The programme was based on the topic LED bulb making and was handled by Mr. Habin Varghese, Lab instructor of IES College of Engineering and Technology, Thrissur. A group wise hands-on demonstration was also showcased. He taught the students how to make LED bulbs and how to repair damaged LED bulbs with the help of sustainable methods. The students participated in the programme ardently, displaying great enthusiasm and interest. The second session of the class was on Seed ball making by Dr.Madhu P C, Associate Professor Department of Biotechnology, MET'S School of Engineering, Mala. All the sessions were huge successes and provided an insight to the students on how to lead a sustainable and healthy lifestyle. Participants were actively involved in all the sessions for clearing their doubts and some of the participants bought samples of mushroom seeds and bed pellets for experimenting mushroom cultivation at their homes. As a token of appreciation, certificates were distributed to all the participants.

Sl. No.	Name of Educational District	Programme
1.	Ernakulam (Gov. HS Pulikamaly)	Mushroom Cultivation and its medical application and Seed Ball Making
2.	Aluva (MES College, Marampilly)	Mushroom Cultivation and its medical application and Tissue Culture
3.	Muvattupuzha (St. George Church Parish Hall, Muvattupuzha)	LED Bulb Making and Seedball Making
4.	Kothamanglam (St. George Church Parish Hall, Muvattupuzha)	LED Bulb Making and Seedball Making

#### Govt. HS Pulikkamaly 07/02/2025 (Ernakulam Educational District )







**MES College, Marampilly 02/12/2024 (Aluva Educational District)**



**George Church Parish Hall Mannoor 21/02/2025 (Muvattupuzha, Educational District)**



**George Church Parish Hall Mannoor 21/02/2025 (Kothamangalam Educational District)**



## THRISSUR

Thrissur district organized four Sustainable life style workshops for Ecoclub students of Thrissur district.

Govt. Model Girls High School Thrissur - 25-07-2024

Shikshak Sadan, Muthuvattoor Thrissur - 29-11-2024

Carmel School Hall Mala - 29-10-2024

CKCGHS Pavaratty- 05.12.2024

310 Students from various schools in the district attended the hands on training. Classes were conducted by experts on various subjects

### ***1. Thrissur educational district***

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub students at Govt. Model Girls High School Thrissur on 28-11-2024. The programme was inaugurated by Smt Jeeja Vijayan, AEO Thrissur East. 80 students from 28 schools participated. Technical sessions were handled by Shri. Prem K, KFRI on Plantation techniques of budding, grafting etc and Dr. Babu , Biologist on Bird watching



### ***2. Chavakkad educational district***

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub students at Carmel School Hall Mala on 29-10-2024. The programme was inaugurated by Smt Jayasree PM, AEO Chavakkad. 80 students from 40 schools participated. Technical sessions were handled by Shri. Suresh, Kurian Jacob, N.J James on Plantation techniques of budding, grafting, layering , Terrace farming and Bird watching .

### ***3. Iringalakkuda educational district***

EEP- Kerala –Thrissur District Organised Sustainable Life style workshop for Ecoclub students of Iringalakkuda educational district at Shikshak Sadan, Muthuvattoor on 29-11-2024. The programme was inaugurated by Smt ShylaT, AEO Iringalakkuda. 75 students from 72 schools participated. Technical sessions were handled by Dr Robin, Dr. Jijo, Kurian Jacob, N.J James on Mushroom cultivation and Bird watching.



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### *4. Iringalakkuda educational district*

EEP- Kerala Thrissur District Organised Sustainable Life style workshop for Ecoclub students at CKCGHS Pavaratty on 05.12.2024. 65 students participated. Technical sessions were handled by Shri. Prem K, KFRI on Plantation techniques of budding, grafting etc and Dr. Babu , Biologist on Bird watching .





## PALAKKAD

Sustainable lifestyle workshop for Ecoclub Students of Palakkad conducted at 6 venues and a participation of 331 students across Palakkad district actively participated. The details of the workshops as follows.

1. 26.12.2024, MOENS HSS Palakkad 52 Participants
2. 17.1.2025, Forest Station Mannarkkad 39 Participants
3. 27.1.2025, GUPS Edathara Parali 53 Participants
4. 29.1.2025, BRC Kuzhalmannam 58 Participants
5. 30.1.2025 MESHSS Mannarkkad 27 Participants
6. 7.2.2025 Livestock Research Center, Thiruvizhamkunnu 102 Participants

Hands on Training includes Eco-enzyme preparation, Bird Watching, LED Bulb Making and sessions on Need for Nature and wildlife Conservation, future plans for Ecoclub activities made by eminent guests.

### **Moens HSS Workshop led by Sree G Hariharan, Sri KA Ajesh 26.12.2024**





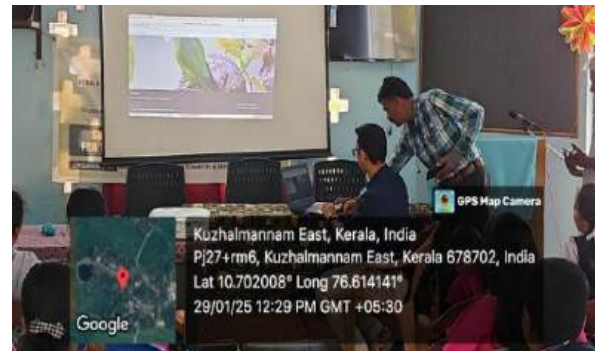


Moens HSS Workshop for students Parents led by Sri C Rajagopal and Sri S.Guruvayurappan 26.12.2024 .

### Eco enzyme preparation at Forest Station, Mannarkkad



### Bird identification techniques and APP familiarization at various sessions



### Bird watching at Forest Station Mannarkkad. 17.1.2025





### LED Bulb making at MES Mnnarkkad 30.1.2025



### Birdwatching Training at Edathara



Field based practical sessions such as Bird watching with practical sessions was a highlight of the training. Along with students, some parents also joined in various sessions such as in Moens HSS and in Thiruvizhamkunnu Bird identification field study. Support from Deputy Director of Education, DEOs and AEOs was another strength for the successful implementation of the workshops.

As prescribed in the project proposal, All the topics covered such as Sustainable lifestyle for a healthy life by Sri. S.Guruvayurappan, Need for Nature conservation and conservation of forests and wildlife by Notable Lyricist Sri. C.Rajagopal, 'RRR' Principle by Sri KA Ajesh, hands on training on LED Bulb and Tube-light making by Sri. Jose Daniel, Bird and Wildlife identification APPs by the Ornithologists such as Sri Krishnamoorthi and Sri. Ranjith Jose, Waste management methods by Sri. Sree G Aadhitia, Sree G Hariharan given to the participants. Sessions on the tasks to identify birds, preparation for scientific projects, Need for raising plant nurseries etc to be taken up by NGCs made.



Food and snacks included fruits and organic substances and Millets as a message to better healthy sustainable living. Educational District Co-ordinators such as Sri Susmith Krishnan, Sri. KA Ajesh and Yousafali supported and rendered their service. Various Ornithologists of Palakkad district assisted and supported field-based sessions. In addition to that volunteer from Aashrayam Rural Development Society NGO made a wide range of services in successful conduct of the trainings. Forest department also helped to arrange venue and infrastructure support for successful conduct of the programs

## **MALAPPURAM**

### ***1. Tirur Educational District***

***Date: 19.10.2024***

***Venue: GMUPS Tirur***

The Sustainable Lifestyle Workshop for Students was organized by the National Green Corps under the guidance of the KSCSTE. The workshop aimed to engage students through discussions and hands-on activities, fostering sustainable living practices and a sense of environmental stewardship. Held on October 19, 2024, at GMUPS Tirur, the program focused on raising awareness about the importance of adopting sustainable lifestyles, with a particular emphasis on biodiversity conservation, climate change mitigation, and natural resource management. In light of growing environmental challenges such as pollution, deforestation, and global warming, the workshop sought to equip students with the knowledge and tools necessary to tackle these pressing issues.

The workshop began with a formal inauguration by Ramesh Kumar, DDE Malappuram, who set an optimistic tone for the day's proceedings. In his opening address, he emphasized the crucial role of educators in cultivating environmental awareness among students.

Hamid Ali Vazhakkad, the District Coordinator, led the first session with an engaging discussion on effectively organizing and managing Environment Clubs. The next session of the workshop was conducted by Abdulla Tirur, who provided an insightful and hands-on introduction to budding and crafting techniques in horticulture. The final session was conducted by VP Usman, the Harita Sena Kutippuram Sub-District Project Coordinator, who provided comprehensive guidance on developing and executing strategic projects within Environment Clubs. He systematically outlined the step-by-step process of initiating impactful environmental initiatives, covering key aspects such as idea generation, goal setting, implementation strategies, and impact assessment.

This initiative aligns with broader efforts to integrate sustainability into everyday life and underscores the importance of empowering younger generations to take an active role in environmental conservation. By engaging students from schools across Malappuram district



## 2. Wandoor Educational District

**Date:** 28.10.2024

**Venue:** GLPS Pookottur

Held on September 28, 2024, at GLPS Pookkottoor, the program focused on raising awareness about sustainability and encouraging students to take an active role in protecting the environment. Special emphasis was placed on biodiversity conservation, climate change mitigation, and natural resource management. The session helped students understand the impact of pollution, deforestation, and global warming while equipping them with practical ways to address these challenges in their daily lives.

As part of a larger effort to promote sustainability among youth, the workshop encouraged students to take small but meaningful steps, such as reducing plastic waste, conserving water, planting trees, and spreading awareness in their communities. By engaging students from various schools across Malappuram district, the program aimed to build a generation of environmentally conscious individuals committed to making a difference.





A. Abdul Rahiman, the Education District Coordinator, led an inspiring session focused on the objectives and vision of Environment Clubs. He emphasized how these clubs serve as powerful platforms for students to engage with environmental issues while also developing critical thinking, leadership, and teamwork skills. Amin S from the Puma Nature Society, provided an insightful overview of the various conservation initiatives undertaken by the Forest and Wildlife Department. He emphasized how these programs can serve as valuable tools for enriching school-based environmental education.

The workshop featured engaging and interactive presentations led by Sambath Ct from GMUPS Cheerankadappuram and Bindu K from MSP Malappuram, both of whom shared their valuable firsthand experiences in managing Environment Clubs within their schools.



### 3. Tirurangadi Educational District

**Date:** 05.10.2024

**Venue:** PSMO College Tirurangadi



Held on October 5, 2024, at PSMO College, Tirurangadi, the program focused on raising awareness about the importance of adopting sustainable lifestyles. Special emphasis was placed on biodiversity conservation, climate change mitigation, and natural resource management. In response to growing environmental concerns such as pollution, deforestation, and global warming, the workshop sought to equip students with essential knowledge and practical tools to address these challenges effectively.

A key highlight of the event was the field sessions, where students actively participated in bird and butterfly watching, as well as plant identification activities. These immersive experiences introduced them to local biodiversity, allowing for firsthand observation and appreciation of various species in their natural habitats. This practical approach deepened their understanding of the critical roles these species play in maintaining ecological balance.

This initiative is part of a broader effort to integrate sustainability into daily life and emphasize the importance of youth involvement in environmental conservation. By engaging students from schools across Malappuram district, the workshop aimed to foster a sense of responsibility toward nature and encourage long-term commitment to sustainable practices within their communities

The workshop commenced with a formal inauguration by K.P. Muhammed Kutty, Chairman of Tirurangadi Municipality, who set an optimistic tone for the day's proceedings. In his opening address, he emphasized the pivotal role of educators in fostering environmental awareness among students



#### ***4. Malappuram Educational District***

***Date: 17.8.2024***

***Venue: Nilambur Forest Range***

Held on August 17, 2024, at Nilambur, the program focused on raising awareness about the importance of adopting sustainable lifestyles, with particular attention to biodiversity conservation, climate change mitigation, and natural resource management. With increasing environmental challenges such as pollution, deforestation, and global warming, the workshop sought to equip students with the knowledge and tools necessary to address these issues.

Hamidali Vazhakkad, the District Head of the National Green Corps, expressed his enthusiasm for the initiative and encouraged students to embrace environmental stewardship.

- Sreejesh Nair, the Central Nursery Range Officer, spoke about the vital role of biodiversity in maintaining ecological balance.
- Saji John, the Beat Forest Officer, emphasized the importance of local flora and fauna in sustaining healthy ecosystems.

Following the inauguration, students were divided into two groups for an interactive field session. Group 1 was led by Sreejesh Nair and Ahammed Saeed, while Group 2 was guided by Saji John and Fathima Hanna M.

Saeed and Fathima Hanna M about current environmental challenges and disasters. In this session, the speakers addressed pressing issues such as climate change, habitat loss, and pollution. They used real-world examples to illustrate how these challenges affect local ecosystems and communities. The discussion highlighted the interconnectedness of environmental issues and the need for integrated approaches to tackle them.

### **KOZHIKODE**

Kerala State Council for Science, Technology and Environment (KSCSTE) requested NGC District Co-ordinator to propose the venues and dates for conducting Sustainable Lifestyle workshop for Students under NGC Ecoclubs under the direction of Ministry of Environment, Forests and Climate Change (MoEF & CC). The District Co-ordinator proposed the venues as Ramakrishna Mission Higher Secondary School, Meenchanda, DIET Kozhikode, GHSS Neeleswaram and GTTI (Men) UP School, Mananchira for the training in the Kozhikode district.

#### ***1. Kozhikode Educational District***

***05/10/2024 – First workshop – Ramakrishna Mission Higher Secondary School, Meenchanda, Kozhikode***

First sustainable lifestyle workshop for students in Kozhikode district was conducted on 05 October 2024 at Ramakrishna Mission Higher Secondary School, Meenchanda. 65 students were attended the workshop. Srimad Swami Narasimhanandaji, Manager, Ramakrishna



Mission Higher Secondary School inaugurated the function. Manoj Kumar G, Principal, Ramakrishna Mission HSS presided the function. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making). P. Sidharthan, District Co-ordinator, NGC & EEP Kozhikode welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerficates and TA were distributed after the sessions and workshop concluded by singing National Anthem.





## ***2.Vadakara Educational District***

### ***08/10/2024 – Second workshop – DIET Vadakara***

Second sustainable lifestyle workshop for students in Kozhikode district was conducted for on 08 October 2024 at DIET Hall, Vatakara. 61 students were attended the workshop. Dr. Abdunnassar U.K., Principal, DIET Kozhikode inaugurated the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode presided the function. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making). Satheesan Kollarakkal, NGC co-cordinator, Vadakara educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerficates and TA were distributed after the sessions and workshop concluded by singing National Anthem.





### ***3. Thamarassery Educational District***

#### ***26/10/2024 – Third workshop – GHSS Neeleswaram, Thamarassery***

Third sustainable lifestyle workshop for students in Kozhikode district was conducted for on 26 October 2024 at GHSS Neeleswaram, Thamarassery. 82 students were attended the workshop. Prof. Shukoor K.H., Principal, M.A.M.O. College, Mukkam inaugurated the function. Usha K.V., Headmistress, GHSS Neeleswaram presided the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode introduced the EEP programmes. The hands-on training sessions were conducted by Midhun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Seed ball making), Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation) and Sreekekha P.C., Asst. Prof. Mores College of Arts & Science, Chembra & Research Scholar, University of Calicut (Whispers of the Night: An introduction to Moths). K.P.U. Ali, NGC co-cordinator, Thamarassery educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerficates and TA were distributed after the sessions and workshop concluded by singing National Anthem.







### ***3. Kozhikode Educational District***

#### **02/01/2025 – Fourth workshop – GTTI (Men) UP School, Mananchira**

Fourth sustainable lifestyle workshop for students in Kozhikode district was conducted for on 02 January 2025 at GTTI (Men) UP School, Mananchira. 88 students were attended the workshop. M.A. Johnson, Member, DIMC, NGC Kozhikode inaugurated the function. P. Sidharthan, District Coordinator, NGC & EEP Kozhikode presided the function and introduced the EEP programmes. The hands-on training sessions were conducted by Pooja Pushkaran, Research Scholar, KSCSTE-MBGIPS, Kozhikode (Mushroom Cultivation), Satheesan K., Resource Person, Energy Management Center-Kerala (LED Bulb Making) and Sreekekha P.C., Asst. Prof. Mores College of Arts & Science, Chembra & Research Scholar, University of Calicut (Paper bag making). Satheesan Kollarakkal, NGC co-coordinator, Vadakara educational district welcomed the gathering and Ramesh Babu P., Member, DIMC, NGC Kozhikode expressed vote of thanks. Cerficates and TA were distributed after the sessions and workshop concluded by singing National Anthem.







## WAYANAD

DIMC Wayanad organised four Sustainable lifestyle workshop for ecoclub students of UP, High School, and Higher Secondary levels in the district on 19<sup>th</sup> October and 26<sup>th</sup> October and 30<sup>th</sup> November 2024 at MS Swaminathan Research Institute, Kalpatta, Putturwayal and on 16<sup>th</sup> November at Mananthavadi BRC. 318 students from various schools in the district attended the training

### 1. MS Swaminathan Research Institute, Kalpatta (3 batches)

Date: 19.10.2024

26.10.2024

31.1.2024

Expert classes on Mushroom Cultivation, Bird Watching and Soap Making in a way that would interest the children. Mr. Joseph John of MS Swaminathan Research Institute explained the different types of mushrooms, their nutritional components and the need to cultivate them. Sakina and Zainaba from the foundation introduced the practical side of mushroom cultivation to the children and trained them. Project Manager KM Bineesh inaugurated the event. A. Janardhanan presided. Mushroom cultivation training was given to two batches.

Dr. RL Ratheesh, Assistant Professor Veterinary College Pookode took classes on Bird watching. He introduced the birds in our country and their importance through various

presentations and then took them to the garden of Swaminathan Foundation and introduced the students to the various birds.

## 2. BRC Mananthavady ( 1 batch)

Date: 16.11.2024

The children were interested in the Soap making training held at BRC Mananthavadi on 16<sup>th</sup> November 2024. Shri. O.K Peter and K.K Ramakrishnan gave practical training of soap making and M.P Mathai explained the history of soap. 85 bars of soap were made in the camp. It was given to the children themselves.







## KANNUR

### 1. Kannur Educational District

Date: 01/10/24: Science Park Kannur (9.30 am to 4 pm)

Number of Schools participated: 18

Number of participants: 92 (+Teachers 13)

Name and designation of resource persons:

- .Sri. T P Padmanabhan(Director SEEK)



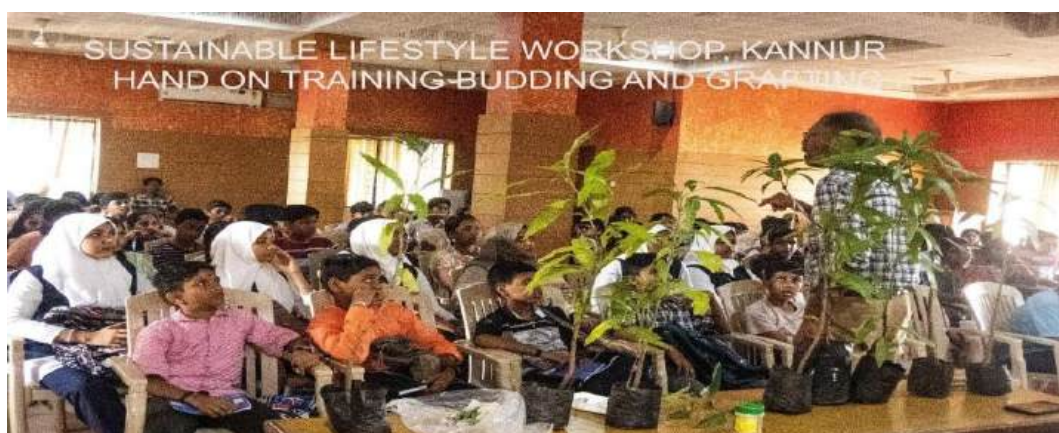
- Nisha T.K(Retired teacher, GVHSS CHIRAKKARA)
- Sri Ummer master (Resource of Budding and grafting)
- Ravidas T.E (Retired Principal THIRUVANGAD, THALASSERY)
- Sasidharan Manekkara (District Coordinator and Birdwatcher)
- Ashokan P. (Retired Hm)

### ***Topics covered***

1. EEP, National Green Corps eco club and its function, Activity level programmes, environmental issues, and role of eco clubs
2. Identification of Birds and role in the ecosystem
3. Identification of Butterflies and role in the ecosystem
4. Budding and grafting Theory and practical class

At 10 am registration process completed and inauguration started. Deputy Director of Education Kannur Sri Babu Maheshwari Prasad inaugurated the programme. The presidential address was done by District Education Officer Smt.Nirmala. K P. After the inauguration programme Sri T P Padmanabhan started the class about EEP and its practical side connected with present environmental issues and problems. Clearly described the role of eco club students in the school and society. After the tea break, next session started the world of butterflies. Smt Nisha T K done this class with slide show presentation. Students got an idea about the butterfly watching and identified some common butterflies in our surroundings. Next class was done by Sasidharan Manekkara the identification of birds. This class also done with slide show. Afternoon session was budding and grafting demonstration class done by Sri. Ummer master. He clearly described the theory and practical side of budding and grafting. After the class students have got clear idea of handling the budding and grafting. Last session was evaluation. Then issued the participants certificate.







## ***2. Thalassery Educational District***

**Date: 04/10/24: GVHSS Chirakkara, Thalassery**

Number of Schools participated: 16

Number of participants: 77 (+Teachers 18)

Name and designation of resource persons:

- Sri. T P Padmanabhan (Director SEEK)
- Nisha T.K(Retired teacher, GVHSS Chirakkara)
- Ravidas T.E (Retired Principal Thiruvangad, Thalassery)
- Sasidharan Manekkara (District Coordinator and Birdwatcher)
- Ashokan P. (Retired HM)

Topics covered:

- 1.EEP, National Green Corps eco club and its function, Activity level programmes, environmental issues, and role of eco clubs
- 2.Identification of Birds and role in the ecosystem.
- 3.Identification of Butterflies and role in the ecosystem.

At 10 am registration process completed and inauguration started. Headmistress GVHSS Chirakkara inaugurated the programme. The presidential address was done by Sri T P Padmanabhan. 85 students and 17 teachers participated in the programme. After the inauguration programme Sri T P Padmanabhan started the class about EEP and its practical side connected with present environmental issues and problems. Clearly described the role of eco club students in the school and society. After the tea break, next session started the world of butterflies. Smt Nisha T K done this class with slide show presentation. Students got an idea about the butterfly watching and identified some common butterflies in our surroundings. Next class was done by Sasidharan Manekkara the identification of birds. This class also done with slide show. Last session was evaluation. Then issued the participants certificate.





### ***3. Thaliparamba Educational district***

**Date: 07/10/24: KILA Center, Karimbam Kannur**

Number of Schools participated: 19

Number of participants:96

Name and designation of resource persons:

- Sri. T P Padmanabhan (Director SEEK)
- Nisha T.K(Retired teacher, GVHSS Chirakkara)
- Sri. Satheesan P (Officer, Kila Center, Karimbam)
- Ravidas T.E (Retired Principal Thiruvangad, Thalassery)
- Sasidharan Manekkara (District Coordinator and Birdwatcher)
- Ashokan P. (Retired Hm)

Details of awareness and training classes conducted during the workshop

1. EEP, National Green Corps eco club and its function, Activity level programmes, environmental issues, and role of eco clubs
2. Identification of Birds and their role in the ecosystem
3. Identification of Butterflies and their role in the ecosystem

The registration process was completed at 10 am. 96 students and 19 teachers from 19 schools registered. Sri. Rajeev P M (Principal KILA Center Karimbam) inaugurated the programme. During the speech, he mentioned the need for a sustainable lifestyle for the protection of our environment. He also mentioned the importance of Western Ghats and the Gadgil Committee report. The presidential address was done by Smt. Jancy John (Assistant Education officer, Talipparamba South).After the inauguration programme Sri T P Padmanabhan started the class about EEP and its practical side connected with present environmental issues and problems. Clearly described the role of eco club students in the school and society. He clearly defined the meaning of ecology and the way of we need to follow to protect our nature. During his speech, he told the story of the sage and a sparrow. After the tea break, next session started the world of butterflies. Smt Nisha T K done this class with slide show presentation. Students got an idea about the butterfly watching and identified some common butterflies in our surroundings. Next class was done by Sasidharan Manekkara the identification of birds. This class also done with slide show. After noon session was budding and grafting demonstration class done by Sri. Satheesan P(Offiecr ,KILA). He clearly described the theory and practical side of budding and grafting. After the class students have got clear idea of handling the budding and grafting. The last session was evaluation. Then the participant's certificate distributed to all.



#### ***4. Payyannur Educational District***

**Date: 06/11/24: Mangrove Study Canter Edat Payyanur**

Number of Schools participated: 17

Number of participants:85 (+Teachers 5)

Name and designation of resource persons:

- Sri. T P Padmanabhan (Director SEEK)
- Nisha T.K(Retired teacher, GVHSS Chirakkara)
- Ramith Lakshmanan (Project Officer, Mangrove Study Center)
- Sri Naveen Kumar V K (Project Assistant)
- Sasidharan Manekkara (District Coordinator and Birdwatcher)

Details of awareness and training classes conducted during the workshop

1. EEP, National Green Corps eco club and its function, Activity level programmes, environmental issues, and role of eco clubs
2. Identification of Birds and their role in the ecosystem
3. Identification of Butterflies and their role in the ecosystem



#### 4. Mangrove Study, Demonstration Class, Field Trip. Identification of different type of mangroves and its value and eco-service

95 students and 19 teachers from 19 schools participated in the workshop. The registration process was completed at 10 am. Sri T P Padmanabhan (SEEK Edat Payyannur) inaugurated the programme. During the inaugural speech, he clearly describes the role of eco club members in conserving our nature and their duties to be involved in the environmental issues around us. . He clearly defined the meaning of ecology and the way of we need to follow to protect our nature. During his speech, he told the story of the sage and a sparrow. The next session started after the tea break. Sri. Ramith clearly described the role of the mangrove ecosystem and its importance. After the theory class students grouped into two and started a field trip to the mangrove forest area. Students got a clear idea about the mangrove forest and identified different types of mangroves. They visited the mangrove nursery and got the technical idea of sampling, planting, and conservation methods of mangrove plants. The next session started after the lunch break. Smt Nisha T K did the class The Wonder World of Butterflies with a slide show presentation. Students got an idea about the butterfly watching and identified some common butterflies in our surroundings. Next class the identification of birds was done by Sasidharan Manekkara. This class is also done with a slide show. After the evaluation by students and distributed the participant's certificate.



## KASARAGOD

### 1. Kasaragod educational district

Sustainable lifestyle workshop for Students of Kasaragod educational district was held on 27/07/2024 in **2 batches** at TIHSS Naimarmoola. 153 students participated in the programme.

It was inaugurated by honourable District collector Sri. K.Inbasekar IAS who stressed the role of students in conserving our environment. District co-ordinator TM Susmitha welcomed the gathering and Co ordinator TV Hariharan gave vote of thanks. Classes on Nature education, Importance of Laterite hillocks was done by Sri TP Padmanabhan and Prof.V.Gopinathan respectively .Energy conservation and birding was handled by Madhuri K.N and TV Hariharan respectively. Hands on training for both the batches were given by AV Janardhan an ( LED making) and K.Asokan ( Budding. Grafting and layering) It was a novel experience for the students.



## 2. Kanhangad educational district

Kanhangad educational district training was held on 29/08 / 2024 in **2 batches** at C.H Muhammad koya smaraka Town hall in Trikaripur.107 students participated in the programme and it was formally inaugurated by Sri.PKK Bava, President, Trikaripur Grama panchayath.Sessions like Nature education (TP Padmanabhan), Energy conservation ( Madhuri.KN), Food chain and food web (K. V Anandan) were the important sessions.Hands



on training in mushroom cultivation was given by Valsala Bhaskaran and Budding, grafting and layering was given by K.Asokan. It was a wonderful experience for children.



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# **ENVIRONMENT EDUCATION PROGRAMME KERALA**

## **SUSTAINABLE LIFE STYLE WORKSHOP FOR ECOCLUB STUDENTS AT R&D INSTITUTES**

***Report 2024-25  
A Programme of***



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE  
GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
TECHNOLOGY AND ENVIRONMENT,  
SASTHRA BHAVAN, PATTOM,  
THIRUVANANTHAPURAM, 695004**



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<b>Hands-on- Training Report 1</b> <b>Saraswathy Thangavelu Extension Centre</b> <b>KSCSTE- Jawaharlal Nehru Tropical Botanic Garden And Research Institute,</b> <b>Puthenthope, Thiruvananthapuram -695586</b>			
1.	<b>Title</b>	:	<b>Hybridization and in vitro Seed Germination Techniques for Orchid Cultivation and Conservation</b>
2.	<b>Venue</b>	:	Saraswathy Thangavelu Extension Centre, KSCSTE- Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Puthenthope, Thiruvananthapuram -695586
3.	<b>Coordinator</b>	:	<b>Dr. Sreekumar S.</b> Principal Scientist & Head, Biotechnology & Bioinformatics Division, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram -695586
4.	<b>Co-coordinator</b>	:	<b>Dr. C. K. Biju</b> Principal Scientist Biotechnology & Bioinformatics Division Saraswathy Thangavelu Extension Centre Puthenthope, Thiruvananthapuram 695586
5.	<b>Total amount sanctioned and the sanction order No</b>	:	₹1,00,000 (One lakh only) Council (P) Order No.448/2024/KSCSTE dated 28.10.2024
6.	<b>Total expenditure</b>	:	Rs. 1,00,000/-
7.	<b>Objectives</b>	:	To generate an awareness among the school children about orchids and impart practical knowledge on its hybridization and in vitro seed germination techniques
8.	<b>Course Contents</b>	:	Orchids an overview, hybridization techniques in orchids, tissue culture an overview, orchids in vitro
9.	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
10.	<b>Details of participants</b>		
	<b>Date</b>	<b>Name of the school</b>	<b>Number of participants</b>
1	21.11.2024	Govt. Girls Higher Secondary School, Kanniagulangara	<b>45</b>
2	22.11.2024	LVHS, Pothencode	<b>89</b>
3	26.11.2024	PSNM-UPS Vellyanoor, Vellanad	<b>48</b>
4	26.11.2024	Govt HS Mannanthalav	<b>27</b>
	<b>Total</b>		<b>209</b>
11.	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 Pm



## Day 1

### **Detailed Report: Hybridization and in vitro Seed Germination Techniques for Orchid Cultivation and Conservation**

**Date:** 21 November, 2024

**Participating Institution:** *Girls Higher Secondary School, Kanniakulangara, Thiruvananthapuram*

#### **Inaugural Ceremony:**

The inaugural ceremony of the training programme was held on the first day of the session, 21 November 2025, from 10:00 to 10:30 AM at the Saraswathy Thangavelu Extension Centre, KSCSTE-JNTBGRI, Puthenthope. The event witnessed the enthusiastic participation of students and teachers from Government Girls Higher Secondary School, Kanniakulangara, Vembayam along with the staff of STECJNTBGRI.

Dr. C. K. Biju, Principal Scientist, JNTBGRI, delivered the welcome address, setting the stage for an insightful and inspiring session. This was followed by the inaugural speech by Dr. Sreekumar, Principal Scientist & Head, STEC-JNTBGRI, who eloquently highlighted the pivotal role of plants in sustaining life on Earth. He explained their essential contributions to the flow of energy, carbon sequestration, oxygen and moisture balance, and nutrient recycling in the ecosystem.

Further enriching the discourse, Dr. Sreekumar delved into the fascinating world of orchids, distinguishing them from other plant groups. He elaborated on their evolutionary significance, adaptive traits, aesthetic appeal, and economic value. Additionally, he emphasized the potential of cultivating orchids around vertical housing structures to create an ambient environment while also serving as a source of income.

Adding to the occasion, Mrs. Shibna, a teacher from Government Girls Higher Secondary School, Kanniakulangara, provided an insightful introduction to the activities of the school's Eco-Club. The ceremony concluded with a heartfelt vote of thanks delivered by Mrs. Keerthi Sugathan, Senior Research Fellow, Biotechnology and Bioinformatics Division, expressing gratitude to all attendees for their participation and support.

The event set a strong foundation for the training programme, inspiring participants to engage deeply with the themes of sustainability and plant conservation.



#### **Training Sessions 1**

**Name of School:** *Govt. Girls Higher Secondary School, Kanniakulangara*

**Topic:** *Orchids an Overview with emphasize on special adaptations*

**Resource person:** *Dr. Sreekumar S*

**Date & Time:** *21.11.2024, 10.30 am to 11.30 am*

Following the inaugural session, Dr. Sreekumar S delivered an insightful presentation on the fascinating world of orchids, using live specimens to enhance the learning experience. He highlighted the remarkable adaptive morphological modifications exhibited by orchids thriving in diverse habitats. A key focus of his presentation was the unique velamen roots, a specialized adaptation in epiphytic orchids that facilitates efficient water and nutrient absorption from the surrounding environment. The multilayered velamen tissue was explained in detail, emphasizing its role in preventing desiccation and enhancing water retention.

To provide a deeper understanding, students were guided through microscopic observations, where they examined the specialized distribution of stomata and their functional adaptations. Additionally, floral structures were meticulously dissected, allowing students to observe and comprehend the intricate characteristics that make orchids distinct. Each special feature, including velamen roots and stomatal adaptations, was explained through a combination of visual demonstrations and practical engagement. This hands-on approach not only enriched their theoretical knowledge but also fostered a deeper appreciation for the structural and functional adaptations of orchids in their natural habitats. Dr. Sreekumar's demonstration class concluded at 11:30 AM.



### **Training Sessions 2**

**Topic:** *Hybridization and field cultivation methods in orchids*

**Resource person:** *Dr. C.K. Biju, Dr. Sreekumar S, Amina Beevi and Manjima,*

**Date & Time:** *21.11.2024, 11.45 am to 1.00 pm*

After a tea break, the students were divided into four groups and participated in a practical demonstration on orchid hybridization. Ph.D. Research Scholars Amina Beevi and Manjima, along with Dr. C.K. Biju and Dr. Sreekumar S, demonstrated hybridization techniques between different orchid species. The students then carried out the hybridization process themselves, under expert guidance. Additionally, they were introduced to various orchid cultivation methods, gaining hands-on experience in propagation techniques. The practical session concluded at 1:00 PM, after which the participants took a break for lunch.

### **Training Sessions 3**

**Topic:** *Plant tissue culture with emphasize on Orchids seed culture*

**Resource person:** *Ms. Lekshmi K and Keerthi Sugathan*

**Date & Time:** *21.11.2024, 1.30 pm to 2.45 pm*

Post-lunch, Ms. Lekshmi K, a UGC Research Scholar, delivered a lecture on the basic principles of tissue culture, with a particular emphasis on in vitro orchid seed germination techniques. Following this, the students visited the plant tissue culture laboratory, where Smt. Keerthi Sugathan, a CSIR Senior Research Scholar, provided an in-depth explanation of the laboratory's working principles, layout, and essential requirements. She demonstrated the usage of various instruments essential for tissue culture, including the magnetic stirrer, pH meter, autoclave, laminar airflow cabinet, heating mantel, distillation unit, and glassware washing

techniques. She also guided students through the process of making cotton plugs, preparing culture media and sterilization of the media. Subsequently, students were trained for surface sterilization of plant parts, preparation and inoculation of explants into the medium.

#### **Training session 4**

**Topic:** *Microscopic observation of orchid's seeds*

**Resource person:** *Dr. C. K. Biju, Aswathy Chandran and Manjima M*

**Date & Time:** *21.11.2024, 2.45 pm to 3.30 pm*

After evening tea break, students observed the seeds of different orchid species under the microscope and documented their morphological characteristics. This step allowed them to gain a practical understanding of seed structure and viability assessment in tissue culture applications.



#### **Concluding Session:**

The training concluded at 4:00 PM, followed by a feedback session where students and their mentor teachers shared positive reflections on their learning experience. As a part of the outreach program, stem top cuttings of monopodial orchids were handed over to the Eco Club Coordinator for establishment in the school campus. The team leader of the student group and the eco club Coordinator has expressed their significant experience in learning and also conveyed their gratitude to the organizers.

#### **Post-training activity:**

As a follow-up activity, a team of four research scholars— Keerthi Sugathan, Manjima, Amal Chand, and Amina Beevi -visited the school on 23.01.2025 to provide further guidance on orchid cultivation. They offered practical tips and recommendations to ensure the successful establishment and maintenance of orchids in the school environment. The certificate training was distributed to all participants. This extension program reinforced the knowledge gained during the training and encouraged students to actively engage in orchid conservation and propagation efforts.



**Name of School: Lekshmi Vilasom High School (LVHS), Pothencode**

### **Training Sessions 1**

**Topic: *Orchids an Overview with emphasize on special adaptations***

**Resource person: Dr. Sreekumar S**

**Date & Time: 22.11.2024, 10.00 am to 11.00 am**

The session commenced at 10:00 AM with a brief introduction to the school, delivered by the Eco Club Coordinator. Following this, Dr. C.K. Biju provided an overview of the key activities undertaken at JNTBGRI, highlighting the institution's contributions to botanical research and conservation. He also emphasized the significance of the training program in fostering awareness and understanding of plant sciences among students. Dr. Biju then invited Dr. Sreekumar to deliver his talk. Dr. Sreekumar captivated the students with an insightful presentation on the fascinating world of orchids. He explained the unique adaptations of orchids that enable them to thrive in diverse habitats and discussed their economic and evolutionary significance. To enhance understanding, he used live plant materials to demonstrate key morphological features.

During his lecture, Dr. Sreekumar meticulously dissected orchid flowers, illustrating their specialized floral structures and unique pollination mechanisms. His interactive session, enriched with visual demonstrations, kept the students engaged and deepened their appreciation for orchids. The demonstration-cum-lecture continued until 11:00 AM, leaving the students with a profound understanding of the intricate biology of these remarkable plants.

### **Training Sessions 2**

**Topic: *Plant tissue culture with emphasize on Orchids seed culture***

**Resource person: Mis. Lekshmi K**

**Date & time: 22.11.2024, 11.15 am to 1.00 pm**

After a tea break, UGC-JRF scholar Ms. Lekshmi K delivered a lecture on plant tissue culture, emphasizing its principles, applications, and significance in orchid seed germination. She began by explaining totipotency—the ability of plant cells to regenerate into complete plants under suitable conditions. She discussed the necessity of aseptic techniques, the role of culture media, and essential growth regulators influencing in vitro plant development. The lecture highlighted plant tissue culture's applications in agriculture, horticulture, and conservation. Focusing on orchid seed germination, Ms. Lekshmi addressed challenges in traditional propagation due to orchid seeds' lack of endosperm, which makes them reliant on mycorrhizal fungi for germination. She explained how in vitro techniques provide necessary nutrients and controlled environments, leading to higher germination rates and uniform plant development—transforming commercial orchid cultivation through mass propagation of quality varieties.

To enhance understanding, Ms. Lekshmi conducted a live demonstration covering:

*Selection and Preparation of Explants:* Choosing suitable plant tissues and employing surface sterilization methods.

*Inoculation and Culture Initiation:* Placing explants onto nutrient-rich media under sterile conditions.

*Callus Induction and Shoot Proliferation:* Observing cell division, callus formation, and shoot emergence.

Rooting and Hardening: Transferring plantlets to rooting media and acclimating them to external conditions in greenhouse settings.

This practical session offered attendees a comprehensive understanding of tissue culture processes and their applications in plant propagation.

### **Training session 3**

**Topic:** *Microscopic observation of orchid's seeds*

**Resource persons:** *Dr. C. K. Biju, Aswathy Chandran, Keerthi Sugathan*

**Date & time** *22.11.2024, 1.30 pm to 2.30 pm*

Students were trained for microscopic observation and documentation of orchid seeds characteristic features.

### **Training session 4**

**Topic:** *Hybridization and field cultivation methods in orchids*

**Resource persons:** *Dr. Sreekumar S, Dr. C.K. Biju, Manjima M, Amina Beevi, Aswathy Chandran*

**Date & time:** *22.11.2024, 2.30 pm to 3.45 pm*

The students were divided into five groups, and training was provided in the field of orchid cultivation. The methodology of orchid hybridization, including the selection of parent plants and the pollination process—such as the collection of pollinia and their transfer to the stigma—was thoroughly demonstrated. The students then successfully carried out the hybridization process.

**Concluding session:** The concluding session began at 3:45 PM. The students and the Eco Club coordinator of LVHS shared their experiences and requested the training coordinator to visit their school while also seeking support for cultivating orchids and other ornamental plants on their campus. In response, the training coordinator agreed to arrange follow-up programs and assured continuous support from KSCSTE-JNTBGRI for their greenery initiatives. Subsequently, top cuttings of orchids were handed over for establishment at the school campus. The session concluded at 4:10 PM with a vote of thanks from the coordinator.





## **P. S. Nadaraja Pilla Memorial Upper Primary School (PSNM-UPS) Vellyanoor, Vellanad**

### **Training Sessions 1**

***Topic: Orchids an Overview with emphasize on special adaptations***

***Resource person: Dr. Sreekumar S***

***Date & Time: 26.11.2024, 10.00 am to 11.00 am***

The training programme on orchids commenced at 10:00 AM with an introductory session by Dr. C. Biju, who provided an overview of the diverse research and conservation activities undertaken at the Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI). This was followed by an introduction to the participating School Eco Club Coordinator, highlighting the role of students in environmental conservation and biodiversity awareness.



The lecture-cum-demonstration class on orchids was delivered by Dr. Sreekumar S, who extensively discussed the special features of orchids using live specimens representing different habitat types. He showcased various categories of orchids, including:

Terrestrial orchids (Land Orchids) – Orchids that grow in soil and derive nutrients from it.

Epiphytic orchids – Orchids that grow on trees or other surfaces but are not parasitic; they absorb moisture and nutrients from the air through specialized structures.

Saprophytic orchids – Orchids that grow in decomposed organic matter and rely on fungal associations for nutrient absorption.

Lithophytic orchids – Orchids that grow on rocks or rocky surfaces, adapting to limited soil and water availability.

Dr. Sreekumar elaborated on the adaptive features that enable orchids to thrive in diverse environments. Key adaptations discussed included:

Velamen roots – A specialized multi-layered root structure that helps epiphytic orchids absorb moisture from the atmosphere efficiently.

Water storage bulbs (Pseudobulbs) – Swollen stems that store water and nutrients, allowing orchids to survive in dry conditions.

Additionally, he explained the anatomical features and floral modifications found in orchids. The unique structure of orchid flowers, such as their specialized labellum (lip), column, and pollinia, was highlighted. These adaptations contribute to their intricate pollination mechanisms, often involving specific pollinators like bees, butterflies, and birds.

The session also covered the economic importance of orchids, particularly their market value in horticulture and the floriculture industry. Dr. Sreekumar detailed the cultivation practices essential for successful orchid propagation, including proper substrate selection, irrigation techniques, fertilization, and pest management.

The training session concluded at 11:00 AM, leaving participants with a comprehensive understanding of orchid biology, ecological significance, and commercial potential. The engaging demonstration with live plant specimens provided an interactive learning experience, enhancing the participants' appreciation of these fascinating plants.

## **Training Sessions 2**

***Topic: Plant tissue culture with emphasize on Orchids seed culture***

***Resource person: Mis. Lekshmi K***

***Date & time: 26.11.2024, 11.15 am to 12.15 pm***

Dr. Lekshmi has explained the methodology of plant tissue culture in details. She explained the basic steps of tissue culture such as selection of explants, surface sterilization of explants, culture media components and preparation, inoculation and incubation details, sub-culturing and multiplication, rooting and hardening.

Following Ms. Lekshmi's class, Ms. Keerthi Sugartha, a CSIR-Senior Research Scholar, demonstrated the tissue culture equipment and its operational methods. She explained the functioning of various instruments, including the pH meter, electronic balance, magnetic stirrer, autoclave, laminar airflow chamber, water bath, and cotton plug preparation. Additionally, she demonstrated medium preparation and explant inoculation under sterile conditions in the

laminar airflow chamber. The session ends at 1.30 pm

### **Training Session 3**

**Topic:** *Hybridization and field cultivation methods in orchids*

**Resource persons:** *Dr. Sreekumar S, Dr. C.K. Biju, Manjima M, Amina Beevi, Aswathy Chandran*

**Date & time:** *26.11.24, 2.00 pm to 3.00 pm*

As part of the training program, hybridization techniques in different orchid species were demonstrated in a group-wise manner to ensure interactive learning. Participants were given a hands-on experience in understanding orchid floral structure and reproductive mechanisms.

The session began with the dissection of orchid flowers, where students observed and identified the different floral parts and their special modifications unique to orchids. The structural adaptations, including the labellum (lip), column, pollinia (pollen sacs), and stigma, were explained in detail to highlight their role in pollination and hybridization.

Following this, the hybridization techniques were demonstrated step by step, including:

**Pollen Collection:** Extracting pollinia from the anther cap of selected parent orchids.

**Cross-Pollination:** Transferring pollen from one orchid flower to the stigma of another to produce hybrids.

**Self-Pollination:** Applying pollen from the same flower or genetically identical plants for controlled breeding.

**Labeling of Crossed Flowers:** Marking pollinated flowers with relevant information such as the date, parent plant details, and hybridization method used.

**Signs of Fertilization:** Identifying successful fertilization by observing post-pollination changes, such as wilting of the flower, swelling of the ovary, and capsule formation over time.

After the demonstration, students actively participated in performing hybridization techniques on orchids under supervision. They successfully carried out pollen transfer, pollination, and labeling, gaining practical experience in controlled breeding techniques.

### **Training Session 4**

**Topic:** *Microscopic observation of orchid's seeds*

**Resource persons:** *Dr. C. K. Biju, Aswathy Chandran, Keerthi Sugathan*

**Date & time** *26.11.24, 3.15 pm to 3.45 pm*

The different orchids pods characteristic features were closely observed and these pods were split open and the seeds were observed through microscope. The seed structure such as shape size and structural difference of seed texture were documented.

**Concluding session:** The concluding session commenced at 3:50 PM, where the trainees and their Eco Club Coordinator shared their positive feedback. They expressed that the training program exceeded their expectations and provided them with valuable hands-on experience in orchid hybridization and tissue culture techniques. They also highlighted how the session opened new opportunities for learning and applying these techniques in their school projects.

Dr. Sreekumar delivered the closing remarks, emphasizing the importance of conservation and sustainable cultivation of orchids. As a gesture of encouragement, he handed over a bunch of orchid top stem cuttings to the trainees, enabling them to apply their newfound knowledge by

cultivating orchids at their school. The session concluded on a highly inspirational and motivating note, leaving the participants eager to explore the world of orchids further.

### Post-training activity:

The team including Mis Amina Beevi, Keerthi Sugathan, Manjma M and Amal chand had visited on 22 January 2025 and gave guidelines for orchid cultivation to the eco club members. As a gesture of appreciation the the school authorities have invited the team for the harvesting of agricultural crops cultivated in the school campus and presented a bunch of bananas' to the team members. After that the certificates of training were distributed to the trainees.





## **Govt. High School Mannanthala**

### **Training Sessions 1 (B)**

**Topic:** *Plant tissue culture with emphasize on Orchids seed culture*

**Resource person:** *Mis. Lekshmi K*

**Date & time:** *26.11.2024, 10.00 am to 11.00 am*

On November 26, 2024, two parallel training sessions were conducted. The training program for the students of Govt. H.S. Mannanthala commenced at 9:30 AM. Dr. Sreekumar S., Principal Scientist and Training Coordinator, delivered an introductory speech outlining the details of the program. Following this, the Eco Club Coordinator of Govt. H.S. Mannanthala introduced their school and highlighted the activities of their Eco Club.

Dr. Lekshmi K. then conducted the first lecture-cum-demonstration session on plant tissue culture and its applications. She elaborated on the genesis of plant tissue culture, its principles, and methodologies. Additionally, she demonstrated the different stages of the in vitro culture system, providing a comprehensive overview of tissue culture techniques. Then she explained the procedure for orchid seed culture. Her session concluded at 11:00 AM.

### **Training Session 2**

**Topic:** *Orchids an Overview with emphasize on special adaptations*

**Resource person:** *Dr. Sreekumar S*

**Date & time** *26.11.2024 11.15 am to 12.30 pm*

After the tea break, Dr. Sreekumar S. delivered an engaging demonstration-cum-lecture on the unique characteristics of orchids. He highlighted that Orchidaceae is the secondlargest family among flowering plants and emphasized its significant phylogenetic adaptations. Using live specimens, he explained the specialized adaptations exhibited by different types of orchids.

Dr. Sreekumar also provided insights into the unique anatomical and physiological traits of orchids. He elaborated on floral modifications that ensure effective pollination, the characteristics of non-endospermic seeds, and the essential role of mycorrhizal association in orchid germination. Additionally, he discussed the economic significance of orchids and the importance of hybridization in generating new orchid varieties.

His lecture was highly informative and comprehensive, offering participants a thorough understanding of orchids. The session concluded at 12:30 PM.

### **Training Session 3**

**Topic:** *Microscopic observation of orchid's seeds*

**Resource persons:** *Dr. C. K. Biju, Aswathy Chandran, Keerthi Sugathan*

**Date & time** *26.11.24, 12.30 pm to 1.00 pm*

The orchids seeds, anatzmical features of velamen roots and stomatal distribution and its structural features were observed by the trainees through compound microscope and documented its features such as seed structure, shape, seed texture, etc.

### **Training Session 4**

**Topic:** *Tissue culture techniques*

**Date & time:** *26.11.24, 1.30 pm to 2.30 pm*

**Resource person :** *Keerthi Sugathan*

Ms. Keerthi Sugathan provided a detailed demonstration of the operational methods of various equipment used in the tissue culture laboratory. She explained the functions and handling procedures of each instrument, ensuring that the students gained a clear understanding of their applications in plant tissue culture. Following the equipment demonstration, the students were taken to the tissue culture room, where they observed live cultures at different stages of growth. Ms. Keerthi elaborated on the importance of maintaining a sterile environment and the protocols followed to ensure contamination-free culture conditions.

Additionally, she demonstrated the media preparation process, explaining the precise formulation of nutrients, sterilization techniques, and the importance of pH adjustment to support optimal plant growth. The session provided the students with valuable hands-on knowledge, enhancing their understanding of tissue culture techniques.

### **Training Session 5**

**Topic:** *Hybridization and field cultivation methods in orchids*

**Resource persons:** *Dr. Sreekumar S, Manjima M, Amina Beevi, Aswathy Chandran*

**Date & time:** *26.11.24, 2.30 pm to 3.45 pm*

Orchids hybridization techniques were demonstrated at orchid growing field. The students were grouped into three groups and provided hands-on training in hybridization of different orchids. Both selfing and crossing were demonstrated. After demonstration students were independently done the selfing and crossing in orchids.

**Concluding session:** The concluding session started at 4.15 pm. The students and eco club coordinator convey their feedback and requested the training coordinator for further continuous support for their school. In the reply speech Dr. Sreekumar S assured all the supports to their school for cultivating the orchids and he handover a bunch of orchid top shoot cutting to the eco club coordinator for cultivating in their school. The function ended at 4.30 pm

### **Post-training activity:**

The team including Ms Amina Beevi, Keerthi Sugathan, Manjima M and Amal chand had visited on 23 January 2025 at GHS, Manninthala and distributed the certificates to the participants of the training programme. The team gave necessary guidelines for the establishment of the orchids planted at school campus as part of this training programme.









<b>Hands-on- Training Report 2</b> <b>KSCSTE- CENTRE FOR WATER RESOURCES DEVELOPMENT AND MANAGEMENT,</b> <b>Kunnamangalam, Kozhikode-673571</b>			
1.	<b>Title</b>	:	<b>Sustainable life style workshop for Students under National Green Crops</b>
2.	<b>Venue</b>	:	<b>KSCSTE - Centre for Water Resources Development and Management Kunnamangalam, Kozhikode-673571</b>
3.	<b>Coordinator</b>	:	Dr. Magesh N.S, Scientist B, Ecology & Environment Research Group, CWRDM, Kozhikode
4.	<b>Total amount sanctioned and the sanction order No</b>	:	Rs. 1,00,000 (One lakh only) Council (P) Order No.460/2024/KSCSTE dated 04.11.2024
5.	<b>Total expenditure</b>	:	Rs. 97, 933/-
6.	<b>Objectives</b>	:	The proposed project aims to give hands-on training and awareness among school children on different topics like Water quality analysis, Plant tissue culture techniques, waste management etc
7.	<b>Course Contents</b>	:	Hands on training on Water quality analysis, Plant tissue culture techniques, waste management
8.	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
9.	<b>Details of training</b>		
	<b>Date</b>	<b>Schools</b>	<b>Number of participants</b>
	17-01-2024	Govt HSS Medical College Campus, Kozhikode	47
	18-01-2024	Govt HSS Koduvally, Kozhikode	48
	19-01-2024	Farika HSS, , Kozhikode	58
	24-01-2024	Ramakrishna Mission HSS, Kozhikode	48
	<b>Total number of participants</b>		<b>201</b>
10.	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 pm
11.	<b>Subject Area</b>	:	Water quality analysis, Plant tissue culture techniques, waste management

## **1. Background**

The National Green Corps (NGC) Programme has been in operation across the country since 2001-02, with the primary aim of promoting environmental awareness among school students. This objective is supported by the creation of eco-clubs in every district nationwide, emphasizing action-driven environmental initiatives with active student participation. In addition to raising awareness among students through hands-on activities focused on environmental conservation and protection, the program envisions children as catalysts for change and key players in spreading environmental knowledge to the broader public. The program is executed in each State/Union Territory through a designated Nodal Agency appointed by the respective State/UT Government. In Kerala, the Kerala State Council for Science, Technology, and Environment (KSCSTE) serves as the Nodal Agency for NGC activities. As part of the NGC Eco-club initiative, the Centre for Water Resources Development and Management conducted four oneday training programs for school students (Grades 8-10) in January 2025, providing practical training in water quality analysis, plant tissue culture techniques, and waste management.

## **2. Aim and Objectives**

The program is designed to offer hands-on training to students in water quality analysis, plant tissue culture, and waste management. It aims to raise awareness among children about environmental issues, encouraging them to think critically and adopt habits that promote harmony with nature. The objectives of the training program are as follows: Creating awareness on water quality and its deterioration

- Raising awareness about water quality and its degradation
- Introducing students to laboratory techniques used for water analysis
- Providing foundational knowledge on plant tissue culture and its methods
- Engaging students in activity-based learning projects related to waste management

## **3. Activities**

The program was conducted on 28th to 31st January 2025. The details of the program schedule are given below. A total of 201 students participated in the training program from various schools.

<b>Date</b>	<b>Training</b>	<b>Venue</b>
28.01.2025	Water quality analysis	CWRDM HQ, Kozhikode
29-01-2025	Plant tissue culture techniques	CWRDM HQ, Kozhikode
30-01-2025	Water quality analysis	CWRDM HQ, Kozhikode
31-01-2025	Waste management	CWRDM HQ, Kozhikode

### **Day 1**

The first day of training, held on January 28, 2025, focused on water quality analysis and took place at the CWRDM Headquarters in Calicut and 47 students participated in the event. The program commenced at 10:30 a.m. in the CWRDM Auditorium following registration. Dr. Chithra V.S., (Scientist B) the training co-coordinator, welcomed the participants, Dr. Magesh N.S., (Scientist B) training coordinator provided an overview of the topics to be covered, and explained the arrangements made for the training. Dr. Drissia T.K., Principal Scientist and Head, CoEWRDMK, CWRDM, inaugurated the function and addressed the gathering. She highlighted CWRDM's activities and encouraged participants to engage in

such skill development programs to enhance their abilities. Dr. Beslin Joshi, (Scientist B), training co-coordinator, delivered the vote of thanks, expressing gratitude to all staff members for their support in organizing the event. The inaugural session was followed by a tea break.



The first session began at 11:15 a.m., with Dr. Shiji M., Technical Officer of the Ecology and Environment Research Group (EERG), delivering a lecture on "Water Quality Analysis". Following the lunch break, students participated in a hands-on practical session on water quality analysis in the laboratory as well as the instrumentation used for water quality testing. Ms. Digilarani M., Technical Officer of the Ecology and Environment Research Group, explained the microbiological analysis of water. The program proceeded smoothly according to the schedule provided to participants beforehand, with no deviations. At the conclusion, the participants expressed their full satisfaction with the event and the participation certificates were distributed to the students.



## Day 2

The training program held on the second day, January 29, 2025, focused on Plant Tissue Culture techniques and 48 students participated in the session. After registration, the program began at 10:30 a.m. in the CWRDM Auditorium. Dr. Magesh N.S., the training coordinator, welcomed the participants, outlined the topics to be covered, and explained the arrangements made for the training. He provided an overview of CWRDM's activities and encouraged participants to engage in such skill development programs to enhance their abilities





The first session began at 11:15 a.m., with Dr. Beslin Joshi delivering a lecture on "Plant Tissue Culture Techniques." After the lecture, students visited a polyhouse demonstration farm equipped with an automated irrigation system on the CWRDM campus. Following lunch, the students engaged in a hands-on laboratory session on plant tissue culture techniques. Ms. Digilarani M. provided an overview of media preparation for tissue culture and explained sterilization techniques. After completion, the students were provided a participation certificate for the course completion



### Day 3

The training program held on the third day, January 30, 2025, began at 10.30 a.m at CWRDM Auditorium which was focused on water quality analysis and Dr. Magesh N.S., highlighted the crucial role students play in environmental protection, particularly in safeguarding water quality and 58 students participated in the program.



A lecture on basic water quality parameters and their importance was delivered by Dr. Shiji, M., Technical Officer, EERG, CWRDM. She also explained various instruments used to measure water quality parameters. During the afternoon session, participants conducted water sample analysis. Demonstrations were given on analyzing the samples for parameters such as pH, Electrical Conductivity, Alkalinity, and Total Coliform, along with explanations of the results. Ms. Digila Rani, Technical Officer, EERG, CWRDM, explained the microbiological analysis of water samples. It was evident that the participants had a strong grasp on the concepts and the importance of water quality analysis as discussed in the lectures. The session concluded with feedback and certificates were distributed to the participants.



## Day 4

The final day of the training course, January 31, 2025, began at 10.30 a.m. at CWRDM auditorium. 48 students participated in the training program and Dr. Chithra V.S., welcomed the participants and provided an overview of the program.



She also highlighting the crucial role students play in environmental protection, particularly in the area of waste management. During the session, various tasks related to waste management and their importance, plastic recycling procedures were taught to the students. In the afternoon session, Dr. Chithra V.S., demonstrated the waste management techniques used at CWRDM campus (The Thumbboormuzhi project) and the scientific process behind the setup. During the session, the students interacted with their thoughts and concepts on waste management. After the completion of the session, certificates were distributed to the participants.



## 4. Outcome

The outcomes of the training program included:

- Students gained awareness about water quality issues and the importance of preserving water resources from contamination.
- Exposure to plant tissue culture techniques inspired students to explore research or entrepreneurial opportunities in crop improvement and conservation.
- Training in waste management encouraged students to protect the environment and promoting waste recycling practices.

Ultimately, the program empowered students to adopt sustainable lifestyles by restructuring their daily activities to minimize strain on Earth's natural resources and contribute to environmental conservation and protection efforts.

<b>Hands-on- Training Report 3</b> <b>Sophisticated Test and Instrumentation Centre (STIC),</b> <b>Cochin University of Science and Technology (CUSAT)</b>			
1.	<b>Title</b>	:	Kerala Sustainable Lifestyle Workshop: Enhancing Environmental Education through Water Quality Analysis Workshops
2.	<b>Venue</b>	:	Sophisticated Test and Instrumentation Centre (STIC), Cochin University of Science and Technology (CUSAT)
3.	<b>Coordinator</b>	:	Dr. M Gopalakrishna Pillai, Director, STIC
4.	<b>Co-coordinator</b>	:	Dr. Shibu M Eappen, Program Coordinator, Scientist, STIC
5.	<b>Total amount sanctioned and the sanction order No</b>	:	Rs. 1,00,000 (One lakh only) Council (P) Order No.364/2023/KSCSTE dated 06-12-2023
6.	<b>Total expenditure</b>	:	Rs. 1,00,000/-
7.	<b>Objectives</b>	:	The primary objective of the program was to conduct hands-on training sessions on water quality analysis for high school students in Kerala. The initiative aimed to empower 207 students through a series of four one-day programs, each catering to 50 students.
8.	<b>Course Contents</b>	:	Hands on training on water quality analysis, water sample collection, monitoring water quality parameters, and demonstration and interpretation of results were taught in the sessions.
9.	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
10.	<b>Details of participants</b>		
11.	<b>Date</b>	<b>Name of the school</b>	<b>Number of participants</b>
12.	04.12.2024	MRS School Keezhmad Aluva GHSS Aluva, Govt THSS Mulanthuruthi,	58
13.	05.12.2024	SNHSS Thrikkanarvattom	50
14.	06.12.2024	FMCT HSS Karumalloor GHSS Edappally, Kochi	50
15.	07.12.2024	TocH School Vyttila, Kochi Rajagiri St.Chavara CMI School Manappuram	69
	<b>Total</b>		227
	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 Pm



## **Report on Training Program on Water Quality Analysis for Higher Secondary School Students**

**Organized by:** *Sophisticated Test and Instrumentation Centre (STIC), Cochin University of Science and Technology (CUSAT)*

**Date:** *December 04-07, 2024*

**Sponsored by:** The Kerala State Council for Science, Technology & Environment (KSCSTE) under the Ministry of Environment, Forest & Climate Change (MoEF & CC) – Environmental Education Programme (EEP) as part of the National Green Corps.

**Program Title:** Kerala Sustainable Lifestyle Workshop: Enhancing Environmental Education through Water Quality Analysis Workshops

**Date:** December 04-07, 2024

**Venue:** STIC Auditorium and Water Testing Lab at STIC, CUSAT

**Objective:** The primary objective of the program was to conduct hands-on training sessions on water quality analysis for high school students in Kerala. The initiative aimed to empower 200 students through a series of four one-day programs, each catering to 50 students.

### **Program Structure:**

The program comprised four one-day workshops, each accommodating 50 high school students. The workshops covered the following topics each day:

- Introduction to Water Quality Analysis
- Basics of water quality parameters
- Importance of monitoring water quality
- Understanding the environmental impact of water pollution
- Environmental Impact and Sustainable Practices
- Promoting sustainable lifestyle choices to mitigate water pollution
- Proper techniques for water sample collection
- Importance of representative sampling
- Laboratory Analysis Techniques
- Demonstration and hands-on practice of water quality testing methods
- Interpretation of test results

### **Participant Details:**

<b>Date</b>	<b>School</b>	<b>No. of Students</b>
04.12.2024	MRS School Keezhmad Aluva	48
	GBHSS Aluva	11
05.12.2024	SNHSS Thrikkanarvattom	50
06.12.2024	FMCT HSS Karumalloor GHSS Edappally,	50
07.12.2024	TocH School Vyttila, Kochi, Ernakulam	40
	Rajagiri St.Chavara CMI School Manappuram	29
<b>Total</b>		<b>228</b>

**Resource Persons and Experts:**

Dr. Ratheesh Kumar A S, Assistant Prof. School of Environmental Sciences CUS AT, Dr. Joji V.S Associate Professor, Department of Marine Geology and Geophysics, Dr. Rani Varghese, Post Doctoral fellow, KUFOS, Dr. Madhu, District Coordinator, NGC, along with experts from STIC, handled the classes and laboratory sessions.

**Materials and Equipment:** Necessary laboratory equipment and materials were procured for practical sessions. Participants were provided with workbooks and educational materials.

**Evaluation and Certification:** Certificates of participation were distributed to all attendees.

**Feedback:** The feedback from students indicates the success of the program, with participants expressing enlightenment and increased awareness. The positive response highlights the effectiveness of the training in achieving its objectives.

**Conclusion:** The Training Program on Water Quality Analysis for Higher Secondary School Students, organized by STIC at CUSAT campus and sponsored by KSCSTE under MoEF & CC - EEP, was a resounding success. The enthusiastic participation and positive feedback reflect the program's impact in imparting practical knowledge, raising awareness, and encouraging active participation in environmental conservation among the students.



Hands-on- Training Report 4 ICAR-KVK Kasaragod & ICAR-CPCRI, Kasaragod			
1.	<b>Title</b>	:	“Sustainable Lifestyle Workshop” for School Students of Kasaragod District
2.	<b>Venue</b>	:	ICAR-CPCRI, Kasaragod
3.	<b>Coordinator</b>	:	Dr. Manojkumar T.S, Head KVK- Kasaragod
4.	<b>Total amount sanctioned and the sanction order No</b>	:	Rs. 1,00,000 /- Council (P) Order No.449/2024/KSCSTE dated 28.10.2024
5.	<b>Total expenditure</b>	:	Rs. 99300/-
6.	<b>Objectives</b>	:	The workshop featured a combination of five expert lecture sessions and four hands-on laboratory and field demonstrations, designed to provide participants with both theoretical knowledge and practical experience. These sessions were conducted by a team of distinguished experts from ICAR-CPCRI and KVK-Kasaragod, ensuring a comprehensive learning experience for the students
7.	<b>Course Contents</b>	:	The workshop included hands-on training on Plantation methods, sustainable agricultural practices, soil and water conservation techniques, tissue culture techniques, Indigenous Technical Knowledge (ITK) in horticulture etc
8.	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
9.	<b>Details of participants</b>		
10.	<b>Date</b>	<b>Topics covered</b>	<b>Venue</b>
	20.01.2025	Mandates of CPCRI and Introduction to Plantation Crops	ICAR-CPCRI,
	& 21.01.2025	Tissue Culture Techniques	
		Soil and r Conservation Techniques	
		Indigenous Technical Knowledge (ITK) in Horticulture	
		Lab Visits and Demonstrations	
		Introduction to Soils of Kerala	
		Cutting-Edge Innovations in Horticultural Research	
11.	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 pm



## **Report on “Sustainable Lifestyle Workshop” for School Students of Kasaragod District**

**Submitted to:** Kerala State Council for Science, Technology and Environment (KSCSTE)

**Organized by:** ICAR-KVK Kasaragod & ICAR-CPCRI, Kasaragod **Funded by:** Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India **Supported by:** EEP Kerala-National Green Corps (NGC), Kerala State Council for Science, Technology and Environment (KSCSTE)

**Date of Workshop:** January 20 & 21, 2025

**Venue:** ICAR-CPCRI, Kasaragod

### **Workshop Overview**

ICAR-KVK Kasaragod successfully organized a two-day workshop on "Sustainable Lifestyle" on January 20 & 21, 2025, for 200 school students from Kasaragod district. The initiative was funded by the Ministry of Environment, Forest, and Climate Change (MoEFCC) and supported by EEP Kerala-National Green Corps (NGC) under KSCSTE. The program was inaugurated by Dr. K.B. Hebbar, Director, ICAR-CPCRI, along with the presence of Dr. Manojkumar T.S., Head, KVK-Kasaragod, and Mrs. Susmitha, Student Coordinator, Kasaragod District. The workshop featured five expert lecture sessions and four hands-on laboratory/field demonstrations aimed at fostering awareness of sustainable farming, green technology, and ecological conservation.



### **2. Workshop Sessions & Activities**

The workshop featured a combination of five expert lecture sessions and four hands-on laboratory and field demonstrations, designed to provide participants with both theoretical knowledge and practical experience. These sessions were conducted by a team of distinguished experts from ICAR-CPCRI and KVK-Kasaragod, ensuring a comprehensive learning experience for the students. The expert panel included Dr. Thamban C. and Dr. Murlidharan K., Principal Scientists from the Division of Social Science at CPCRI, who shared valuable insights into sustainable agricultural practices. Dr. Manojkumar T.S., Head of KVKKasaragod, provided guidance on integrating sustainability into modern farming techniques and also on modern techniques of soil water conservation for crop production improvement. Dr. Muralikrishna K.S., Senior Technical Assistant (Laboratory) at CPCRI, introduced participants to key laboratory techniques, tissue culture techniques used in agricultural research for crop improvement.

Dr. Saritha Hegde, SMS in Home Science at KVK-Kasaragod, discussed indigenous technical knowledge (ITK); innovative approaches in home-based and community-driven agricultural practices. Dr. Vinayaka Hegde, Principal Scientist & Head of the Division of

Crop Protection at CPCRI, addressed recent advances in plant health management strategies including, digital agriculture, drone technology, artificial intelligence. Mr. Kiranmoy Patra, SMS in Agronomy at KVK-Kasaragod, talked about fundamentals of soil and soils of Kerala provided practical insights into agronomic techniques for improving soil health and crop yield. Together, these experts engaged students through interactive discussions, live demonstrations, and field visits, fostering a deeper understanding of sustainable agricultural practices and inspiring them to implement these learnings in real-world scenarios.



### 3. Key Topics Covered

The workshop covered a diverse range of topics aimed at fostering awareness and knowledge about sustainable agricultural practices. Sessions included an introduction to the mandates of CPCRI and plantation crops, providing insights into research and development efforts in plantation agriculture. Participants also learned about soil and water conservation techniques, emphasizing methods to prevent soil erosion and optimize water use for sustainable farming. Another important session focused on tissue culture techniques, highlighting advancements in plant propagation and conservation of genetic resources. The workshop also explored Indigenous Technical Knowledge (ITK) in horticulture, shedding light on traditional



agricultural practices that have been effectively used for generations.



In addition, the program featured discussions on cutting-edge innovations in horticultural research, with a particular focus on plantation crops, showcasing modern scientific approaches to improve crop yield and resilience. Lastly, the session on understanding soils and an introduction to the soils of Kerala provided students with fundamental knowledge about soil properties, classification, and management practices relevant to the region's agricultural landscape. These interactive sessions, led by subject matter experts, equipped participants with practical knowledge and inspired them to adopt sustainable practices in their communities.

#### **4. Hands-on Demonstrations**

The hands-on laboratory and field demonstrations provided students with practical exposure to advanced agricultural techniques and sustainable farming practices, guided by a team of distinguished experts.

Students had the opportunity to gain hands-on experience with various innovative agricultural techniques and sustainable farming practices during the workshop. They explored CPCRI's advanced coconut-based cropping systems, which demonstrated efficient and sustainable ways of integrating coconut cultivation with other crops. Additionally, students learned about coconut processing techniques, gaining insights into value-added product development and post-harvest handling. They also engaged in soil and plant tissue analysis in the Soil Science Lab, where they observed and practiced essential laboratory techniques used for assessing soil health and plant nutrition. A significant highlight of the workshop was the tissue culture techniques for plant propagation, where students were introduced to modern biotechnology applications in agriculture, including micropropagation methods. Dr. Murlikrishna K.S. conducted an interactive session in the Tissue Culture Laboratory, where students observed embryo culture in coconut and pollen culture in arecanut, showcasing advanced biotechnological techniques for producing tissue cultured plants.



Dr. Manikantan M. R., Principal Scientist (PHT), and Dr. Shameena Begum P. P., Scientist (PHT), led sessions on coconut-based processing and food product development,



emphasizing innovative value-addition techniques. They also provided insights into entrepreneurship development, demonstrating how these technologies could be leveraged for agribusiness opportunities and rural livelihood enhancement. Dr. Neelofar Illias Kutty, SMS (Home Science), and Mr. Dinesh Kumar, Senior Technician, guided students through coconut processing methodologies, offering hands-on training in the preparation of value-added coconut products and their market potential. Mr. Manikandan K., Senior Technical Officer (STO), and Mr. Kiranmoy Patra, SMS (Agronomy), conducted interactive sessions in the soil science laboratory, where students were introduced to various soil testing methods, instrumentation techniques, and analytical procedures essential for assessing soil health and fertility management. Additionally, Mr. Kiranmoy Patra led practical demonstrations on high-density multistoried plantation models, greenhouse cultivation, and protected farming techniques. These sessions provided students with a comprehensive understanding of integrated cropping systems, resource-efficient agricultural practices, and climate-smart farming technologies.

Through these hands-on experiences, students developed a deeper understanding of modern agricultural practices and sustainable techniques, fostering curiosity and encouraging scientific thinking in the field of agriculture.



## **5. Participation & Engagement**

Each day, 100 students from 10 different schools, accompanied by their teachers, participated in the program. The interactive sessions encouraged students to engage with scientists, subject matter specialists, and laboratory experts, fostering scientific curiosity and critical thinking. The event concluded with a valedictory session, where students shared their learnings and insights.

<b>Hands-on- Training Report 5</b> <b>Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode</b>			
1.	<b>Title</b>	:	<b>Greener with Malabar Botanical Garden-Workshop on Sustainable life style for school students</b>
2.	<b>Venue</b>	:	Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode
3.	<b>Coordinator</b>	:	Dr. Raghupathi B, Scientist B, KSCSTE-MBGIPS
4.	<b>Total amount sanctioned and the sanction order No</b>	:	Rs. 1,00,000 (One lakh only) Council (P) Order No.364/2023/KSCSTE dated 06-12-2023
5.	<b>Total expenditure</b>	:	Rs. 99,768/-
6.	<b>Objectives</b>	:	The primary objective of the program was hands on training to students on Tissue culture, Waste Management Techniques, Plantation Methods, Mushroom Cultivation, Water Quality Analysis, Traditional Knowledge transfer etc.
7.	<b>Course Contents</b>	:	The workshop included hands-on training on Plantation methods, Nursery & Garden management and waste management techniques. Also expert lectures and interaction on the subject and visits to garden and laboratory were also arranged
8.	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
9.	<b>Details of participants</b>		
10.	<b>Date</b>	<b>Topic</b>	<b>Number of participants</b>
	31.01.2024	Green management topic	<b>38</b>
	01.01.2024	Plantation techniques / Methods	<b>32</b>
	02.02.2024	Nursery & Garden management	<b>51</b>
	03.02.2024	Waste management techniques	<b>43</b>
	<b>Total</b>		<b>164</b>
11.	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 pm

The programme on "Greener with Malabar Botanical Garden Workshops on Sustainable Lifestyle" was conducted at: Malabar Botanical Garden and Institute for Plant Sciences during 20 to 23 January 2025 on giving awareness to school students of classes 07 to 11 on sustainable life style. This initiative was a significant step toward fostering environmental awareness and promoting sustainable practices among the younger generation. The Malabar Botanical Garden and Institute for Plant Sciences has always envisioned itself as a catalyst for ecological conservation and education. Through this programme, we aimed to empower students with practical knowledge and inspire them to adopt sustainable lifestyles that contribute to a healthier planet. The workshops covered a wide range of topics, including on plantation methods/ techniques, nursery management, garden management and waste management. By combining interactive sessions, hands-on activities and guided exploration of the garden, we sought to make the learning experience both enjoyable and impactful.

Day	Date	
Day 1	20.01.2025	Green management topic
Day 2	21.01.2025	Plantation techniques / Methods
Day 3	22.01.2025	Nursery & Garden management
Day 4	23.01.2025	Waste management techniques



### Day 1

After arrival, firstly students had completed the registration procedure and Dr. Raghupathi B, Junior Scientist, KSCSTE-MBGIPS had engaged the session on "Garden Management" and he had covered various topics of garden management such as importance of gardens, display of plants, planing and planting of indoor and outdoors, pressure from urbanisation and the densification of cities, need of urban green spaces, soil preparation, planting techniques, watering, fertilization, cultivation and maintaining a garden and importance of ecosystems in garden, biodiversity and the interdependence of living organisms. He also stressed on environmental and ecological benefits of gardening such as air purification, soil conservation and habitat creation and students also gained insights into various components of gardening plant components and non plant components- tress, shrubs, ground covers, climbers, palms, indoor plants, cacti and succulents etc. Students engaged in, scientific inquiry by observing plant growth and applying their understanding of biological processes



#### Day-1: Garden Management (20/01/2025)



Registration of students from different schools



Dr. Raghupathi B, Junior Scientist, KSCSTE- MBGIPS delivering lecture on garden management and students conservatories visit

#### Day 2

On second day, we had workshop regarding plantation methods and techniques, we had covered various topics of planting methods such as pit method, line sowing, broadcasting, rectangular planting, hexagonal planting, triangular planting etc., advantages and disadvantages of them. soil preparation, procedure of planting, types of watering, time and types of pruning, need of trimming and canopy management, rejuvenation of old orchards, plant protection methods in new plantations, caring of plants etc. Students also thought about the ecological benefits of planting, such as carbon sequestration, soil conservation and the preservation of biodiversity, which promotes a sense of environmental appreciation, awareness and responsibility, which connects with nature and encourages a stewardship mindset toward the natural world. Workshop sessions also enriched the educational experience to school students by providing practical skills, fostering environmental consciousness, which in turn helps students make informed decisions about their future educational and career pursuits and promotes holistic development.



Dr. Raghupathi B delivering lecture on plantation techniques to school students



School students visiting garden and different conservatories

### Day 3

On the third day, we had a workshop on Nursery Management and Dr. Raghupathi B, Junior Scientist had covered various aspects of plant propagation techniques such sexual and asexual propagation, advantages and disadvantages, types of cuttings- stem cuttings- hardwood, softwood, semi hard wood, leafy cutting-leaf section cutting, petiole cutting, leaf vein cutting etc, root cutting and procedure of cutting preparation and Budding techniques- T budding, Inverted T budding, I budding, patch budding, ring budding etc and Grafting and its types- whip and tongue grabbing, wedge grafting, veneer grafting, side grafting, approach grafting, epicotyl grafting etc and Layering and its types air layering, simple and compound layering, mound layering. The session also covered nursery management aspects like potting, reporting, watering schedules, right conditions for plant growth and nutrient management in nursery, which provides a practical context for students to learn about the life cycle of plants. Also covered germination, growth, reproduction, and other stages, gaining a deeper understanding of biological processes, Plant nursery management introduced students to concepts of environmental sustainability and the importance of plant life in ecosystems and learned about the role of plants in oxygen production, carbon dioxide absorption, and the overall balance of the environment.



Students visiting different conservatories and garden

Day-3: Nursery Management (22/01/2025)



Demonstration of plant propagation techniques and nursery management by Dr. Raghupathi B, Junior scientist, KSCSTE- MBGIPS

### Day 4

On the last day, we had workshop on waste management and resource person explained about the importance of waste management, of waste (biodegradable, non-biodegradable, and hazardous), importance of segregation of waste and adopting sustainable practices to protect the environment and need of sustainable habits in daily life. And also environmental impact of organic waste and the benefits of diverting it landfills, biological processes of decomposition and microbial activity of composting and appreciation for the cycles of life, how compost posting reduces greenhouse gas emissions and contribution to healthier ecosystems, deeper connection to the environment, how to turn kitchen and garden waste into nutrient-rich compost and about health and safety practices related to handling organic waste, which provides insights about the rule of compound in



improving soil health, support of plant growth. At the end of the workshop, students took a pledge to practice the 3Rs (Reduce, Reuse, Recycle) in their daily lives and to spread awareness about proper waste management in their communities.



Group photo with student participants after class and during garden visit

**Day-4: Waste Management (23/01/2025)**



Dr. Raghupathi B, Junior Scientist discussing about various types of waste management and its detailed procedure



On fourth day of workshop students visit to different conservatories



<b>Hands-on- Training Report 6</b> <b>M S Swaminathan Research Foundation &amp; Agro biodiversity Centre, Puthoorvayal</b> <b>Wayanad</b>			
1.	<b>Title</b>	:	<b>Sustainable Life style workshop for school students under the National Green Corps. (NGC)</b>
	<b>Venue</b>	:	M S Swaminathan Research Foundation & Agro biodiversity Centre, Puthoorvayal ,Wayanad
	<b>Coordinator</b>	:	Dr Shakkela Director, MSSRF CABc
	<b>Total amount sanctioned and the sanction order No</b>	:	Rs. 1,00,000 (One lakh only) Council (P) Order No.11/2024/KSCSTE dated 11-01-2024
	<b>Total expenditure</b>	:	Rs. 1,00,000 /-
	<b>Objectives</b>	:	The workshop included Introduction to Sustainable Living and Mushroom Cultivation,Traditional Ecological Knowledge Transfer and Campus Biodiversity Walk,Climate Change Mitigation and Sustainable Alternatives,Emotional Well-being, Resilience Building, and Supportive Discussions
12.	<b>Course Contents</b>	:	The workshop included Introduction to Sustainable Living and Mushroom Cultivation,Traditional Ecological Knowledge Transfer and Campus Biodiversity Walk,Climate Change Mitigation and Sustainable Alternatives,Emotional Well-being, Resilience Building, and Supportive Discussions
	<b>Methodology</b>	:	Lectures, demonstrations, hands on training
<b>Details of participants</b>			
	<b>Date</b>	<b>Topic</b>	<b>Venue</b>
	30.01.2025	<b>Introduction to Sustainable Living and Mushroom Cultivation</b>	MSSRF CABc
	31.01.2025	<b>Traditional Ecological Knowledge Transfer and Campus Biodiversity Walk</b>	MSSRF CABc
	01.02.2025	<b>Climate Change Mitigation and Sustainable Alternatives</b>	MSSRF CABc
	28.03.2025	<b>Emotional Well-being, Resilience Building, and Supportive Discussions</b>	MSSRF CABc
	<b>Duration &amp; time</b>	:	One day 9.30 am to 4.00 pm

## **KSCSTE- MoEF&CC -EEP Kerala: Sustainable lifestyle workshops for school students**

The MS Swaminathan Research Foundation successfully concluded a series of comprehensive sustainable lifestyle workshops under National Green Crops designed to empower students under the support of KSCSTE- MoEF&CC -EEP Kerala, for students from various schools in the district.

Recognizing the diverse needs of these students, the workshops were structured to provide practical skills, foster emotional well-being, enhance ecological understanding, and promote climate change awareness. Held from January 30<sup>th</sup> to February 1<sup>st</sup>, 2025, with a follow-up session on March 28<sup>th</sup>, 2025, the program integrated hands-on training, expert interactions, and supportive discussions that could reach out to 200 students.

### **Workshop Module**

The workshop series employed a cohort-based approach, ensuring tailored content delivery to the specific needs of the participating student groups. Each cohort engaged in four distinct sessions, strategically sequenced to build knowledge and skills progressively. The combination of practical exercises and expert-led campus explorations proved to be an effective pedagogical strategy.

### **Sessions for the Workshop**

**Session 1:** Introduction to Sustainable Living and Mushroom Cultivation (January 30th, 2025)

**Session 2:** Traditional Ecological Knowledge Transfer and Campus Biodiversity Walk (January 31st, 2025)

**Session 3:** Climate Change Mitigation and Sustainable Alternatives (February 1st, 2025)

**Session 4:** Emotional Well-being, Resilience Building, and Supportive Discussions (Follow-up Session, March 28th, 2025)

### **DAY 1**

#### **Introduction to Sustainable Living and Mushroom Cultivation (January 30<sup>th</sup>, 2025)**

##### **Topic: Mushroom Cultivation:**

- Introduce students to the principles of mushroom cultivation.
- Teach students about the nutritional benefits of mushrooms and their potential for income generation.

**Resource Person(s):** Sri Pavitaran Mavilayi - Agricultural Expert for mushroom cultivation techniques, **Ms Sabeela Beegam** ,Pshycologist and Motivation Speaker -Nurturing Emotional Resilience

**Content:** This comprehensive session commenced with an insightful introduction to the concept of sustainable living, meticulously exploring its crucial environmental, economic, and social dimensions for a holistic understanding. Following this foundational segment, the participants actively engaged in a practical and hands-on workshop centred around the fascinating process of mushroom cultivation. The detailed workshop curriculum encompassed the essential stages involved in successful mushroom farming, starting from the critical step of substrate preparation. Participants then learned the vital technique of inoculation, ensuring the introduction of the desired mushroom spores. The session further delved into the nuances of growth management, covering the environmental factors necessary for optimal fungal development. Finally, the workshop provided practical guidance on the proper methods for harvesting the cultivated mushrooms at their peak. The inherently practical nature of this session was strategically designed to equip students with a tangible

and valuable skill. This newly acquired expertise holds the potential to serve as a viable avenue for future income generation, fostering economic empowerment among the participants.



Ms. Sabeela Begam expertly guided students through dynamic discussions, creating a safe space for them to express their emotions and connect with peers who understood their struggles. As students shared their stories, they discovered they weren't alone, fostering a sense of community and solidarity. The session's interactive approach introduced practical stress management techniques, including mindfulness and emotional resilience strategies. Through engaging exercises, students developed essential self-awareness and emotional regulation skills. By emphasizing peer support and community building, the session left students feeling hopeful and empowered to navigate challenges. With renewed resilience, students felt better equipped to face their struggles head-on.

## DAY 2

### Session 2: (January 31st, 2025)

**Topic:** *Inter generational Wisdom and Understanding Local Biodiversity*

**Resource Person(s):** **Anupma R** (WWF India, Kerala): *Biodiversity loss impact on faunal diversity.*, **Harikumar** (WWF India, Kerala): *Biodiversity loss impact on faunal diversity and Climate adaptive measures.*, **Ms Sabeela Beegam**, *Psychologist and Motivation Speaker*

**Content:** This insightful session began by emphasizing the profound value of traditional ecological knowledge. It highlighted the enduring significance of sustainable practices that have been carefully passed down across generations. Expanding beyond biodiversity, Anupma R and Harikumar engaged the participants in a discussion about crucial climate-adaptive measures specifically relevant to the local environmental context of Kerala. This direct and immersive interaction with the immediate natural surroundings of the campus was intentionally structured to cultivate a deeper and more personal appreciation for the



intricacies of nature. Consequently, this firsthand experience aimed to instil within the participants a heightened awareness and understanding of the pressing and urgent need for dedicated conservation initiatives within their local community environment.

Under the guidance of Ms. Sabeela Begam, students participated in discussions that encouraged them to express their feelings and connect with peers who had faced similar challenges. This supportive setting enabled students to open up and share their stories. The facilitators introduced practical strategies for stress management, including mindfulness techniques and methods for building emotional resilience. Students learned effective ways to cope with their emotions and navigate challenging situations. Interactive exercises helped students develop self-awareness and emotional regulation skills. By sharing their experiences, students realized they were not alone in their struggles.



The session emphasized the importance of peer support and community building. Students left with a sense of hope and renewed resilience. This initiative demonstrates the power of community-based support in healing and recovery. Overall, the session was a valuable step towards helping students rebuild and move forward.

### DAY 3

#### Session 3: Climate Change Mitigation and Sustainable Alternatives (February 1st, 2025)

**Topic:** Explore traditional practices related to agriculture, resource management, and sustainable living

**Resource Person(s):** Anupma R (WWF India, Kerala): Overview of climate change, covering its causes, Sri Pavitaran Mavilayi - Agricultural expert -Crucial role of sustainable agriculture in fostering ecological balance and food security

**Content:** This session by Anupma R (WWF India, Kerala) provided a comprehensive overview of climate change, covering its causes (including anthropogenic factors), its far-

reaching consequences, and the specific vulnerabilities of the region. A significant portion of the session was dedicated to exploring practical and sustainable alternatives for daily life. This included discussions and demonstrations on energy conservation, water efficiency, waste reduction (recycling and composting). The goal was to empower students to make informed choices and adopt practices that mitigate their environmental impact.

The sessions by Pavitrana Mavilayi explored the crucial role of sustainable agriculture in fostering ecological balance and food security. A key focus was placed on the potential of locally sourced native bio-fertilizers to enhance soil health and crop productivity in a sustainable manner. The session also investigated traditional and innovative native remedies for effectively managing common crop pests and diseases, reducing reliance on synthetic chemicals. This approach emphasizes environmentally friendly agricultural practices rooted in local biodiversity.

- **Take Away**

- Develop a thorough understanding of the science behind climate change, its causes, and its impacts.
- Identify the specific climate change risks and vulnerabilities in their region.
- Learn about a range of practical and sustainable alternatives for daily practices.
- Grasp the core principles and importance of sustainable living.
- Gained knowledge about utilising local bio-fertilisers and native remedies for sustainable crop management
- An understanding of eco-friendly alternatives to conventional agricultural inputs.



#### **DAY 4**

##### **Session 4: Emotional Well-being, Resilience Building, March 28th, 2025**

**Topic:** *Fostering Emotional Strength and Community Support in the Aftermath of Trauma*

**Resource Person(s):** *Sujith M, Development Coordinator: Focused on emotional well-being and resilience building, facilitating supportive discussions, Salim Pichan, M S Swaminathan Botanical Garden Subject Expert, Technical Assistant MSSRF –Campus walk*



**Content:** The primary aim was to provide emotional support and equip students with coping mechanisms to navigate the psychological aftermath of the disaster. A crucial follow-up session, led by Sujith M, directly addressed the emotional and psychological impact of the Mundakkai landslide on affected students. The session incorporated engaging ice-breaking activities to foster a safe and open environment, allowing students to share their experiences and emotions. The event kicked off with impactful speeches by Director MSSRF Dr. Shakeela and featured insightful addresses by Binesh M K and N Gopalakrishnan(MSSRF).

Following this introductory segment, an expert-guided biodiversity walk was skillfully led by Salim Pichan, Botanical Garden Subject Expert, Technical Assistant MSSRF, right on the CABC Campus grounds. During this engaging walk, they meticulously illuminated the remarkably rich faunal diversity characteristic of the Wayanad region. Furthermore, they clearly explained the complex and interconnected relationships that intricately weave together the local ecosystems. The significant and detrimental effects resulting from the alarming loss of biodiversity were also comprehensively detailed by the knowledgeable experts.





## **MSSRF -SEED FEST 2025**

As part of the KSCSTE-MoEF&CC - EEP Kerala's initiative to promote sustainable lifestyles among school students, the SEED FEST 2025 at MSSRF campus presented a unique and invaluable opportunity.

The Wayanad Community Seed Fest Exhibition 2025 provided students with a firsthand encounter with the rich agro-biodiversity of the region and the crucial role of seed-conserving farmers. The exhibition showcased an impressive array of indigenous crops, offering students tangible examples of agricultural heritage and its importance for food security and climate resilience.

**Interaction with Seed-Conserving Farmers** provided students with invaluable insights into traditional farming practices, the importance of seed conservation, and the challenges and rewards of preserving agro-biodiversity. These interactions fostered an appreciation for the knowledge and dedication of local farming communities.

Agro-biodiversity Exploration, students witnessed the remarkable diversity of food-based crops, as well as medicinal and herbal remedial plants.

- **Fruits:** 55 varieties of bananas
- **Staple Crops:** 81 traditional rice varieties, 22 tuber varieties (including 4 types of yams, 3 *Dioscorea* varieties, 10 *Colocasia* varieties, and 9 types of arrowroot), and 10 types of millets.
- **Spices and Flavourings:** 12 varieties of ginger, 20 types of turmeric, 7 varieties of black pepper, and 12 tea and spice varieties. This highlighted the culinary and medicinal significance of indigenous spices.
- **Other Food Crops:** 11 vegetable seed varieties and 18 types of pulses, demonstrating the breadth of plant-based nutrition.
- **Medicinal Plants:** 40 medicinal plant varieties, emphasising the traditional knowledge of herbal remedies and their importance in healthcare.

This exposure provided a deep understanding of the genetic resources available and their

### **Key Highlights -Sustainable lifestyle workshops for School Students**

The comprehensive series of sustainable lifestyle workshops at the MSSRF Campus, enriched by the expertise of various resource persons, was designed to achieve the following overarching outcomes:

- Facilitators and potentially local experts instilled foundational knowledge and practical skills.
- The hands-on guidance in mushroom cultivation, likely facilitated by individuals with specific agricultural knowledge, provided tangible skills.
- Facilitators provided the necessary information on climate science and mitigation strategies.
- Sessions directly addressed emotional well-being and provided crucial support.
- Imparted valuable knowledge about biodiversity and its conservation.
- The combined impact of all sessions, guided by the expertise of the resource persons, aimed to equip students for a more sustainable and resilient future.
- Demonstrating innovative eco-friendly farming methods that showcase the potential of local resources.
- Facilitating interaction with farmers and artisans, fostering respect for their knowledge and contributions.



## Conclusion

The sustainable lifestyle workshops at the MSSRF Campus, with the dedicated contributions of facilitators and expert resource persons from WWF India and potentially local knowledge holders, represent a significant step towards empowering vulnerable students. By addressing practical skills, ecological understanding, climate change awareness, and emotional well-being, the program has provided a holistic and impactful learning experience. The anticipated outcomes highlight the potential for positive change in the lives of these students, fostering environmental responsibility, promoting livelihood opportunities, and building emotional resilience. The participation of students in the SEED FEST 2025 proved to be a highly valuable bonus opportunity within the framework of the KSCSTE-MoEF&CC - EEP Kerala's Sustainable Lifestyle Workshops. The exhibition provided a rich and diverse learning environment, fostering a deeper understanding of agro-biodiversity, sustainable practices, and the importance of local knowledge. This experience will undoubtedly contribute significantly to shaping environmentally conscious and responsible future citizens. MSSRF successfully facilitated a vital initiative that promises to contribute to a more sustainable and resilient future for the participating students and their communities.

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**ENVIRONMENT EDUCATION PROGRAMME KERALA**  
**EEP SCHOOL PROJECTS**

***Report 2024-25***

***A Programme of***



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE**  
**GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
TECHNOLOGY AND ENVIRONMENT,  
SASTHRA BHAVAN, PATTOM,  
THIRUVANANTHAPURAM, 695004**



## ENVIRONMENT PROJECTS FOR SCHOOLS

### *(EEP School Projects)*

Environment projects in schools not only benefit the environment but also contribute to the holistic development of students, promote community engagement, and create a more sustainable and healthy learning environment. Implementing environment projects in schools can have numerous benefits for both the school and the wider community. Environment projects help raise awareness about environmental issues and promote sustainable practices among students, teachers, and staff.

Engaging in environment projects provides students with hands on learning opportunities to apply classroom knowledge in real-world settings. These often involve collaboration with the local community, fostering partnerships and promoting a sense of civic responsibility.

Creating a sustainable environment in schools can lead to improved air quality, reduced waste, and a healthier learning environment for students and staff. Implementing energy and water conservation projects can lead to cost savings for the school, as well as teach students about the importance of resource efficiency.

Ministry of Environment, Forests and Climate change sanctioned and released an amount 35 lakhs to Kerala State Council for Science, Technology and Environment for doing Environment Related Projects under Environment Education programme 2024-25.

The objective of the program is to release financial assistance to Ecoclub schools for doing Environment related projects with Ecoclub teacher as the coordinator and ecoclub volunteers as members

As part of this, Project proposals were invited from the actively participating Govt /Aided/ Unaided/Private schools registered under National Green Corps for doing Environment friendly projects with Ecoclub teacher as the PI of the project.

The proposed projects were under the following thematic areas:

- *Setting up of Medicinal /Biodiversity/ Medicinal/ Butterfly/ Vegetable gardens*
- *Setting up of Miawaki forests, Bamboosetum*
- *Mushroom cultivation*
- *LED bulb making workshop / Making Eco-friendly items*
- *Setting up of Millet cultivation and exhibition*
- *Setting up of Waste composting measures*
- *Awareness programmes/ plastic free campus*
- *Adoption of natural bodies/ apiculture/ kandal etc.*

Prepared Application forms and Guidelines for inviting proposals from schools. All NGC schools were informed to submit the proposals. Proposals were notified during last week of August 2025 and the proposals received till 15<sup>th</sup> September were processed. A total of 534 applications received at KSCSTE.

An expert committee was constituted for the evaluation of proposals, with the approval of EVP, KSCSTE a meeting of the expert committee were held on 29<sup>th</sup> October, 2024 at

KSCSTE. The applications were scrutinised as per the guidelines issued by KSCSTE and 347 applications are recommended for providing financial assistance of Rs, 10,000/- each. The committee recommended releasing 80% of the sanctioned amount as advance to the schools and balance amount shall be released on submission of reports and SE/UC of the programme. The project has to be completed before February 2024. District wise breakup of the programme

Sl No	District	Number of schools	Amount (Rs)
1.	Thiruvananthapuram	11	107500
2.	Kollam	23	227000
3.	Pathanamthitta	7	70000
4.	Alappuzha	10	100000
5.	Kottayam	4	35000
6.	Idukki	8	80000
7.	Ernakulam	5	50000
8.	Thrissur	63	621450
9.	Palakkad	3	30000
10.	Malappuram	99	984730
11.	Kozhikode	26	258000
12.	Wayanad	11	110000
13.	Kannur	51	517000
14.	Kasaragod	26	260000
<b>Total Amount expected</b>		<b>34,50,680/-</b>	
<b>Total Number of schools</b>		<b>347</b>	
<b>Total Actual Expenditure</b>		<b>33,52,820/-</b>	

KSCSTE sanctioned an amount of maximum up to Rs.10, 000/- each to 347schools under NGC ecoclubs for doing environment related projects under EEP Programme. An amount of 8000/- released as advance to the above schools on scrutinizing the proposals by a three member expert committee and the remaining amount of 10000/- on submission of programme completion reports and SE/UC.

The programme coordinators of the following schools had submitted the reports, photos, SE/UC, copy of bills and vouchers to KSCSTE. The reports and other documents verified and observed the schools have successfully organised the projects and utilised the amount for the purpose for which it was sanctioned. The details are as follows.

Details of Projects implemented in Ecoclubs as part of Environment Education  
Programme 2024-25

<i>Sl No</i>	<i>Projects</i>	<i>Number of activities</i>
<b>1</b>	<b><i>Medicinal /Biodiversity/ Butterfly/ Vegetable gardens/fruit gardens</i></b>	<b>199</b>
<b>2</b>	<b><i>Miawaki forests, Bamboo setum</i></b>	<b>20</b>
<b>3</b>	<b><i>Mushroom cultivation</i></b>	<b>20</b>
<b>4</b>	<b><i>Paddy cultivation</i></b>	<b>10</b>
<b>5</b>	<b><i>LED bulb making workshop / Making Eco-friendly items</i></b>	<b>45</b>
<b>6</b>	<b><i>Setting up of Millet exhibition</i></b>	<b>5</b>
<b>7</b>	<b><i>Setting up of Waste composting measures</i></b>	<b>26</b>
<b>8</b>	<b><i>Awareness programmes/ plastic free campus</i></b>	<b>19</b>
	<b><i>Adoption of natural bodies/ apiculture/ kandal</i></b>	<b>3</b>
<b><i>Total activities</i></b>		<b>347</b>

#### LIST OF SELECTED SCHOOLS FOR EEP PROJECT 2024-25

<b>Sl No</b>	<b>District</b>	<b>School Name</b>	<b>Title of the Project</b>	<b>Amount sanctioned</b>
1.	Trivandrum	Govt V & HSS Karakulam, Thiruvananthapuram	Medicinal garden in school	10000
2.	Trivandrum	Bharatheeya Vidya Peedom Central School Parassala.Pin 695502	Vegetable garden	10000
3.	Trivandrum	GHSS Vilavoorkal Malayam PO, Trivandrum	Setting biodiversity garden	10000
4.	Trivandrum	Govt UPS Puthichal, P.O Puthichal. Trivandrum Pin 695123	Adopting measures for plastic free campus	10000
5.	Trivandrum	Govt. HSS Neyyadam , Neyyadam PO, Trivandrum 695572	Setting up of medicinal garden	10000
6.	Trivandrum	Govt. BVUPS Keezhattungal, Keezhattungal PO, Kadakkavoor, Trivandrum Pin 695306	Setting up of vegetable garden	10000
7.	Trivandrum	Holy Angels' Convent HSS, Vanchiyoar, Trivandrum 695001	Nature's guardians-Medicinal plant garden	10000
8.	Trivandrum	LMSHSS Amaravila, Amaravila (P O), Trivandrum 695122	To keep our School Environment Plastic free	10000
9.	Trivandrum	N. S. S. E. M. H. S, Dhanuvachapuram, Dhanuvachapuram. P. O, Trivandrum 695503	Setting up of Miawaki forests	10000
10.	Trivandrum	PGMVHSS Pullamala, Amaravila P O , Trivandrum Pin 695122	Setting up of Vegetable garden	7500
11.	Trivandrum	SCVBHS, Chirayinkeezhu, Chirayinkeezhu P.O, Trivandrum Pin 695304	Setting of waste composting measures in schools.	10000
12.	Kollam	GVHSS Eravipuram Thattamala PO Kollam 691020	Madhura vanam	10000
13.	Kollam	GWUPS Ottakkal, Orukunnu P. O Punalur, Kollam, 691307	Biodiversity park	10000
14.	Kollam	Mohammaden Govt. H S S,Edathara, Pathirickal P O, Pathanapuram,Kollam	Setting up of waste composting measures in schools	7000
15.	Kollam	GHSS Vellamanal Mayyanad PO, Kollam, 691303	Setting up of vegetable garden	10000
16.	Kollam	GWUPS Nambaruvikala, Nambaruvikala, Alumkadavu. P O, Karunagappally, Kollam	Setting up of vegetable garden	10000
17.	Kollam	NSS HSS Prakkulam, Kanjaveli , Kollam, 691602	Green School Plastic free school	10000



18.	Kollam	GHSS Koickal, Kilikolloor P.O, Kollam 691004	Harithabham- Vegetable garden	10000
19.	Kollam	Mount Tabor HS Pathanapuram, Pathanapuram P.O, Kollam, 689695	Organic food for healthy life- Vegetable garden	10000
20.	Kollam	GHS Nettayam , Nediya P. O, Anchal, 691306	A workshop on LED bulb making	10000
21.	Kollam	St. Mary's High School Aryankavu, Aryankavu P.O., Punalur, Kollam - 691309	Training for Students on LED Bulb Making	10000
22.	Kollam	Krist Raj HSS Kollam - 691001	Indigenous fruit tree plantation	10000
23.	Kollam	Chinmaya Vidyalaya, Chandanathope P O Kollam Pin-691014	Butterfly Garden for Biodiversity Conservation	10000
24.	Kollam	GHS Valiyakavu, Mahadevarmon, Karavoor PO , Kollam,-689696	Vegetable garden	10000
25.	Kollam	Govt. High School, Pooyappally, Kollam, 691537	Setting up of vegetable garden	10000
26.	Kollam	GVHSS Muttara, Muttara P O, Odanavattom, Kollam- 691512	Ayurvanam- Medicinal garden	10000
27.	Kollam	NSMGHS, Kottiyam, Kollam,691571	Setting up of vegetable garden	10000
28.	Kollam	SNMUPS Kandachira, Perinad P O, Kollam,- 691601	Vegitable and Medicinal Garden	10000
29.	Kollam	GHSS Kummil Kadakkal-Pangode Road, Kummil P.O, Kollam	Informative tree tags(smart tree labelling system)	10000
30.	Kollam	GWUPS Ampalappuram, Etc P O, Kottarakkara, Kollam,	Setting up of Miawaki forests	10000
31.	Kollam	KPMHSS, Cheriavelinalloor, Cheriavelinalloor P O, Cheriavelinalloor, Kollam, 691516	Mushroom cultivation	10000
32.	Kollam	GUPS Nedumoncave, Nedumoncave PO, Kollam 691509	കൃഷിയിലെ കൗതുകം-Vegetable garden	10000
33.	Kollam	SVHSS Clappana, Clappana P O, Karunagappally Pin 690525	Hand wash, dish wash, liquid detergent and lotion making	10000
34.	Kollam	GVHSS Girls Valathungal, Valathungal P.O, Kollam,691011	Butterfly park	10000
35.	Pathanamthitta	St Mary's VHSS Valiyakunnam, Theodical P.O, Pathanamthitta, Pin:689613	പ്രകാശകിരണം	10000
36.	Pathanamthitta	KSGHSS Kadapra Valanjavattom P O, Thiruvalla, Pathanamthitta, Pin-689104	അങ്കുരം)Setting up of Vegetable Garden)	10000
37.	Pathanamthitta	GHS Kallooppa, Kallooppa, Pathanamthitta 689583	Haritha Vidyalayam-medicinal garden	10000
38.	Pathanamthitta	MTHS Ayroor, Kottathoor P.O. Pathanamthitta - 689614	Hands on training for students on led bulb making	10000
39.	Pathanamthitta	St.George's Mount High School, Kaipattoor, Pathanamthitta 689648	Green School Project-Medicinal garden	10000
40.	Pathanamthitta	A. M. M. H. S Othara, Othara P. O, Pathanamthitta Dist. 689551	Setting up of vegetable garden	10000
41.	Pathanamthitta	GMHS Thiruvalla, Thiruvalla P.O, Pathanamthitta 689101	Setting up to Veg etable garden	10000
42.	Alappuzha	HS Chettikulangara Kaitha North Chettikulangara PO Mavelikara. Pin - 690106	For the better future of our school- vegetable garden	10000
43.	Alappuzha	VSSHs Koippallikaranma Olakettiyambalam PO, Mavelikkara 690510	Setting up of vegetable garden	10000
44.	Alappuzha	GLPS Arannoottimangalam, Arannoottimangalam(PO), Mavelikkara, 690110	Biodiversity garden	10000
45.	Alappuzha	St Augustines HS Mararikulam, Mararikulam North P O, 688523	Hands on training for students on making paper bag ,cloth bag etc	10000
46.	Alappuzha	TDHSS Alappuzha, An Puram Iron Bridge P.O Alappuzha 688011	Setting up of Butterfly garden	10000

47.	Alappuzha	SNVTTI Kakkazhom, Kakkazhom, Alappuzha 688005	Waste composting measures in school	10000
48.	Alappuzha	HSS Aravukad, Pinnapra PO, Alappuzha 688004	Vegetable garden for mid day meal and training for LED Bulb makinig	10000
49.	Alappuzha	SCMVGUPS,Chettikadu, Pathirappally P O, Poomkavu, Alappuzha Pin 688521	Setting up of vegetable garden	10000
50.	Alappuzha	Mahatma Boys HSS Chennithala, Chennithala P.O, Mavelikara Alappuzha 690105	Setting up of Vegetable Garden	10000
51.	Alappuzha	GLPS Cheppad , Harippad , Alappuzha 690507	Setting up of Vegetable garden	10000
52.	Kottayam	GHSS Edakkunnam, Edakkunnam (PO), Kottayam 686512	Butterfly garden	10000
53.	Kottayam	St. Mary's English Medium School, Manarcad, Kottayam- 686019	Growing Delights-medicinal garden	5000
54.	Kottayam	B.M.M Senior Secondary School, Pothenpuram PO, Pampady, Kottayam 686502	നാട്ടു മാവിൻതൈ ഉത്പാദനം	10000
55.	Kottayam	A J John Memmorial Govt GHSS Thalayolaparambu, Thalayolaparambu P O, Kottayam- 686605	Flora analysis	10000
56.	Idukki	SMHS Vazhavara, Vazhavara P. O, Idukki, Pin:685515	Biodiversity garden	10000
57.	Idukki	GUPS, Elappara, Elappara P.O, Idukki- 685501	Setting Up of vegetable garden	10000
58.	Idukki	CPM GHSS Peermade, Peermade PO, Idukki, 685531	Make your paper and cloth bags. Reduce plastic carry bags	10000
59.	Idukki	CRHS Valiyathovala, Valiyathovala, Idukki,685514	Vermix	10000
60.	Idukki	GHS Erattayar Nalumukku, Nellippara P.O Nalumukku. Idukki Dist	Vegetable garden	10000
61.	Idukki	SGHSS Kalayanthani, Kalayanthani P.O Kalayanthani , Idukki,685588	Georgian vegetable garden	10000
62.	Idukki	GVHSS Deviyar Colony, Valara P O, 10th Mile, Idukki,Pin 685561	Biodiversity garden	10000
63.	Idukki	St.Mary's H S Kodikulam, Kodikulam P.O, Thodupuzha, Idukki,Pin 685582	Setting up of vegetable garden	10000
64.	Ernakulam	Fr. J B M U P School, Malayinkeezhu, Malayinkeezhu, Nadukani P O, Kothamangalam, Pin 686691	Vegetable & medicinal garden	10000
65.	Ernakulam	SBOA Public Senior Secodary School, South Chitoor, Cochin -682027	Setting up a butterfly garden	10000
66.	Ernakulam	St. Antony's Public School, Kizhakkambalam, Ernakulam 683562	Hands on Training for students Mushroom cultivation	10000
67.	Ernakulam	GVHSS,Kadavoor Kadavoor P O, Ernakulam -686671	Waste management through EM composting	10000
68.	Ernakulam	St. John's UPS Kaloore, Kaloore PO, Ernakulam 686668	Extension of biodiversity garden	10000
69.	Thrissur	AUPS Pallissery, Arattupuzha P O,Pallissery, Thrissur-680562	ശീതശ്ല( )medicinal garden)	10000
70.	Thrissur	AUPS Perinchery, P.O Avinnissery, Thrissur-680306	Butter fly garden	10000
71.	Thrissur	Bethany St.John's EHSS Kunnankulam, Thrissur Road, Kunnankulam P O, Thrissur - 680503	Setting up of Biodiversity/ Butterfly garden	10000
72.	Thrissur	Christ King CGHS,Pavaratty, Pavaratty P.O, Thrissur- 680507	Prakruthi Poshakam-waste management measures	10000
73.	Thrissur	CJMAHSS Varandarappilly, Pallikkunnu, Varandarappilly P O, Thrissur 680303	Butterfly garden	10000
74.	Thrissur	CKCLPS Rajagiri, Mundathicode P. O, Wadakkanchery, Thrissur	Vegetable garden	10000
75.	Thrissur	CNGLPS Cherpu, P. O Cherpu,	Chithrapathangam-butterfly garden	10000

		Thrissur 680561		
76.	Thrissur	Deepthi High School, Thalare, Thrissur, , Pin 680306	Waste management measures in school	10000
77.	Thrissur	Gandhi Smaraka High School Ashtamichira, Thrissur Pin 680731	Setting up of vegetable garden	10000
78.	Thrissur	GFUPS Blangad Blangad, Chavakad PO, Thrissur 680506	Making of paper bag, clothbag, mats	6450
79.	Thrissur	GFUPS Mannalamkunnu Mannalamkunnu (PO), Akalad, Thrissur 680518	Vegetable gardening	10000
80.	Thrissur	GHS For Deaf Kunnankulam, Kunnankulam P.O , Thrissur-680503	അന്നത്തിനായി )Vegetable garden)	10000
81.	Thrissur	GHSS Chaipankuzhy,Kuttichira, P O, Chalakkudy, Thrissur- 680724	LED Bulb making workshop	10000
82.	Thrissur	GHSS Chembuchira , Chembuchira P O, Thrissur -680684	Adopting measures for Plastic free campus	10000
83.	Thrissur	GHSS Erumapetty, Erumapetty, Thrissur 680584	Setting vegetable garden	10000
84.	Thrissur	GHSS Kochannur, Kochannur P O, Thrissur 679562	Green veg	10000
85.	Thrissur	GHSS Kodakara, Kodakara, Kodakara PO, Thrissur 680684	Empowerment of girls-Hands on training for students on Bamboo craft, banana fibre, wood craft	10000
86.	Thrissur	GHSS Mupliyam, Mupliyam P. O. Thrissur 680312	Hands on training for students on LED bulb making	10000
87.	Thrissur	GHSS Peechi, P O Peechi, Thrissur, Pin : 680653	Organic vegetable garden	10000
88.	Thrissur	GMGHSS Kunnankulam,Kunnankulam P.O, Thrissur, 680503	Hands on training on grafting,budding ,layering	10000
89.	Thrissur	GMUPS Kundazhiyur, Padoor.P.O, Thrissur 680524	Setting up of Medicinal garden	10000
90.	Thrissur	GUPS Choorakkattukara, Puzhakkal, Thrissur Pin 680553	Medicinal green	10000
91.	Thrissur	GUPS Perinjanam, Perinjanam , Thrissur 680686	പച്ചപ്പ്-medical garden	10000
92.	Thrissur	GVHSS Kadappuram, Kadappuram P.O, Thrissur Pincode 680514	Hands on training for students on led bulb making	10000
93.	Thrissur	GVHSS Desamangalam, Desamangalam PO, Thrissur 679532	Liberty to soil-Plastic Free Campus	10000
94.	Thrissur	GVHSS Puthenchira ,Puthenchira P O, Thrissur 680682	Setting of Waste Composting Measures in Schools	10000
95.	Thrissur	HS Karalam, PO Karalam, Thrissur Pin 680711	Hands on training for students on making paper bags, cloth bags, mats	10000
96.	Thrissur	HSS Thiruvallayannur Vadakkekad, Thrissur 679562	Vegetable garden	10000
97.	Thrissur	I. M. U. P. S. Azhicode, Azhicode Jetty P.O, Thrissur- 680666	Setting of Butterfly Garden	10000
98.	Thrissur	Infant Jesus Girls High School, Aranattukara, P.O Thrissur- 680618	Biodiversity garden	10000
99.	Thrissur	JPE High School Koorkenchery, Koorkenchery P.O Thrissur 680007	Setting up of vegetable garden	10000
100.	Thrissur	KECUPS Potta, P O Potta, Thrissur Pin 680722	മധുരക്കിഴങ്ങ് )vegetable garden)	10000
101.	Thrissur	LIGHS Choondal, Choondal P O, Thrissur Pin 680502	Setting up of vegetable garden	10000
102.	Thrissur	NSHS Valoor, Cheruvaloor P O, Chalakkudy, Thrissur Pin: 680308	Setting of waste composting measures in school	10000
103.	Thrissur	NSS VHSS Mundathicode, Medical College Rd, Mundathicode P.O, Thrissur, -680623	Vegetable garden	10000
104.	Thrissur	NSSHS Mullurkara, Mullurkara P.O, Thrissur ,680583	Green root initiative-waste management measures	10000



105.	Thrissur	OLF GHS Mathilakam, Immaculate Conception Convent.Mathilakam PO, Thrissur.Pin:680685.	Setting up of garden with varieties of pepper plants	10000
106.	Thrissur	Pope John L P School Kuriachira , Chiyaram P.O, Kuriachira, Thrissur, 680026	Biopark	10000
107.	Thrissur	RMVHSS Perinjanam, RmvHSS PO Perinjanam, Thrissur 680686	Plantation techniques	10000
108.	Thrissur	S H of Mary's C G H S Kandassankadavu, P.O Kandassankadavu, Thrissur - 680612	Setting up vegetable garden	10000
109.	Thrissur	S S U P School Thazhekkad, Kallettumkara P O , Thrissur 680683	Plastic Free Campus- Eco Brick Earthship	10000
110.	Thrissur	S V G L P School Chettupuzha, Thrissur Pin-680012	Harithodhyanam-Vegetable Garden	10000
111.	Thrissur	Sarvodayam V H S S Aryampadam,P O Mundathicode, Thrissur 680601	Hands on training for students on LED bulb making	10000
112.	Thrissur	SHCGHSS Chalakudy, Chalakudy P O, Thrissur Pin 680307	Setting of waste composting measures in schools	10000
113.	Thrissur	SNTTI Cheruthuruthy, P.O Cheruthuruthy, Thrissur -679531	Green oasis- biodiversity garden	10000
114.	Thrissur	SRCUPS Edakkalathur,, Edakkalathur, (Via)Parappur, Thrissur , 680552	Bamboo thicket	10000
115.	Thrissur	St Aloysius HS , P.O Elthuruth, Thrissur, 680611	Making paper bags and cloth bags	10000
116.	Thrissur	St Antony's HS Mala, Mala P.O, Thrissur 680732	Zero Waste management	10000
117.	Thrissur	St Antony's GHS South Thanissery, Iranikulam P O., Thrissur Pin: 680734	Medicinal plant cultivation - ginger and turmeric	10000
118.	Thrissur	St Marys GHS , Chowannur PO, Kunnamkulam, Thrissur,680517	തണുൽ -ഔഷധ സസ്യ ഉദ്യാനം	10000
119.	Thrissur	St Sebastian's HS Mannamangalam, Mannamangalam P.O , Thrissur 680014	Butterfly garden	5000
120.	Thrissur	St Xaviers HS Chevvoor,Thrissur,680027	Food and medicine for health-vegetable garden	10000
121.	Thrissur	St. Antony's U P S Puvathur ,P O Puvathur, Thrissur Pin- 680508	Save Energy-Hands on training for students on LED bulb making	10000
122.	Thrissur	St. Pius Xth UP School, Wadakkanchery, P. O Wadakkanchery, Thrissur - 680623	Vegetable garden & biodiversity garden	10000
123.	Thrissur	St.Anne's GHS Edathuruthy, Edathuruthy P.O, Thrissur Pin-680703	Plastic free campus	10000
124.	Thrissur	St.Antony's CUPS Paluvai, Thrissur 680522	Haritha Bhoomika- vegetable garden	10000
125.	Thrissur	St.Joseph's & St.Cyril's HSS West Mangad, West Mangad(P.O), Thrissur Pin:680542	തല്ല പച്ചപ്പ് (Vegetable garden)	10000
126.	Thrissur	St.Marys H S S Irinjalakuda, Thrissur 680121	Setting up of vegetable garden	10000
127.	Thrissur	St.Teresa's U P School Manalur .P.O Manalur,Kanjani Thrissur -680617	Jeevamsam (medicinal garden)	10000
128.	Thrissur	St.Thomas C G S Kanjany , Kanjany P O , Thrissur 680612	Vegetable garden	10000
129.	Thrissur	Tharakan's High School Aranattukara, Aranattukara P.O, Thrissur -680618	Vegetable garden	10000
130.	Thrissur	UMLPS Thiruvilwamala, Kaniyarkode (PO), Thiruvilwamala,680594	Bamboo forest for nature	10000
131.	Thrissur	V L P S Kallur Kallur P.O, Thrissur Pin-680317	Harithabham-vegetable garden	10000
132.	Palakkad	GHS Vellinezhi, Vellinezhi P.O, Thrissur 679504	Vegetable garden	10000
133.	Palakkad	Sree Krishna High School,Nallepilly, P.O Nallepilly, Thrissur 678553	Butterfly garden	10000
134.	Palakkad	CA HSS Coyalmanam,	Plastic free campus	10000

		Kuzhalmannam, Palakkad, 678702		
135.	Malappuram	Oriental HSS Tirurangadi, Tirurangadi (PO)-676306	Training for LED bulb making	10000
136.	Malappuram	A M L P School Klari Puthur, Kuruka (PO), Kalpakanchery (Via),Malappuram - 676551	Led bulb making workshop	10000
137.	Malappuram	Ace Public School .Manjeri, Cherani. Karuvambram Post. 676123	LED bulb making workshop	10000
138.	Malappuram	ALPS Elampulasser, 673636	Led bulb making	10000
139.	Malappuram	AMHMUPS Edakkaparamba, Kannamangalama P. O, Vengara, Malappuram 676304	Medicinal garden	10000
140.	Malappuram	AML P School Padinharekkara, Mattathur PO Othukkungal, 676528	Led bulb marking workshop	10000
141.	Malappuram	AML P School Edappulam, Chathangottupuram P.O, Wandoor, Edappulam	Led bulb making	10000
142.	Malappuram	AMMAM UPS Chelupadam, Chelupadam, Chelembra P.O, Malappuram ,673634	Led bulb marking workshop	10000
143.	Malappuram	AMUP School Punnathala, Punnathala (PO), Malappuram	Setting up of vegetable garden	9300
144.	Malappuram	AMUP School Ullanam, Ullanam North (PO), Parappanangadi, Pin:676303	Setting up of pineapple garden	10000
145.	Malappuram	AMUPS Ummathur , Pazhamallur PO, Malappuram Dt Pin 676 506	Setting of waste composting measures in school	10000
146.	Malappuram	ASMHS Velliyanchery, Velliyanchery POst Malappuram Dist 679326	Green Spirit( Medicinal Garden)	10000
147.	Malappuram	AUP School Ayiroor PO, Ponnani Malappuram - 679580	LED bulb making workshop	10000
148.	Malappuram	AUP School Eriyad, Punnappala PO, Wandoor, Malappuram 679328	Setting of vegetable garden & waste composting measures in schools.	10000
149.	Malappuram	AUP School Mundakkal, Mundakkal PO, Malappuram 673645	Led bulb making workshop	10000
150.	Malappuram	AUPS Marakkara, Marakkara(PO) Malappuram 676553	Hands on Training for students on LED bulb making	10000
151.	Malappuram	AVHSS Ponnani, Ezhuvathiruthi, Ponnani PO, Malappuram 679577	Eep-vegetable garden	10000
152.	Malappuram	Benchmarks International School, Metro Village, Koomankulam(PO), Manjeri , Malappuram 676123	Green Heaven (vegetable garden)	10000
153.	Malappuram	Bukhari English School. Kondotty (PO) Malappuram 673638	LED Bulb Manufacturing and Repairing Workshop	10000
154.	Malappuram	CHMKMUPS Mundakkulam, Muthuparamba PO Mundakkulam, Malappuram 673638	Setting up of medicinal garden	10000
155.	Malappuram	Devadhar UP School , Nediyruppu Malappuram 673638	ഇമ്മിണി ബഡ്ജറ്റ് കർഷകർ - Biodiversity garden	10000
156.	Malappuram	G L P S Vellila. Ayiranazhipadi. Vellila PO- Malappuram 679324	Led bulb making workshop	10000
157.	Malappuram	G U P S Ariyallur , Ariyallur PO Vallikkunnu Malappuram 676312	പ്രകൃതി വിഭവ സമൃദ്ധി) setting up of biodiversity garden	10000
158.	Malappuram	GBHSS Manjeri, Manjeri , Pincode 676521	Settin up of bamboosetum	10000
159.	Malappuram	GHS Anchachavadi, Anchachavadi PO, Malappuram .Pin 676525,	Green Belt (vegetable garden)	10000
160.	Malappuram	GHS Chaliyappuram, Cheruvayyoor (PO),Edavannappara Malappuram - 673645	Setting up of vegetable garden	10000
161.	Malappuram	GHS Munderi, Munderi (PO), Malappuram Pin -679334	Biodiversity garden	10000
162.	Malappuram	GHS Neduva , Parappanangadi PO,	Led bulb making workshop	10000

		Malappuram , 676303		
163.	Malappuram	GHS Trikkulam, Tirurangadi PO, Malappuram 676306	Setting up of Medicinal garden	10000
164.	Malappuram	GHSS Karuvarakundu, Karuvarakundu (PO), Malappuram (Dt)Pin676523	Water body renovation-river and local pond, Environment awarness programm	10000
165.	Malappuram	GHSS Moothedath, Moothedam, Malappuram	Herbal Oasis-medicinal garden	10000
166.	Malappuram	GHSS Peruvallur PO Peruvallur Malappuram Pin 673638	Vegitable garden	10000
167.	Malappuram	GHSS POokkottur, POokkottur P.O, Malappuram	LED Bulb Making and Repairing Workshop	10000
168.	Malappuram	GHSS Tuvvur, Tuvvur.P.O, Malappuram-679327,	Biodiversity and Butterfly garden	9430
169.	Malappuram	GHSS Vettathur, Vettathur PO, Melattur Via, Pin 679326, Malappuram	Planting medicinal plants through the sides of Vidyavanam	10000
170.	Malappuram	GLPS Kaladi, Kaladi(P.O), Kandanakam, Malappuram 679582	Niravu- Vegetable garden	10000
171.	Malappuram	GLPS Thiruvalli, Thiruvalli Post, Malappuram, 676123	വിഷദഹിത അടുക്കളത്തോട്ടം	10000
172.	Malappuram	GLP School Anappadi , Chettippadi PO, Parappanangadi, Malappuram 676519	Butterfly garden	10000
173.	Malappuram	GMUP School Edakkanad, Muttanur P O Pin 676561	Bloom Guardians (Biodiversity garden)	10000
174.	Malappuram	GMUPS Cheerankadappuram, Edakadappuram, Tanur P.O Malappuram Pin 676302	Vegetable garden	10000
175.	Malappuram	GMUPS Cherur Cherur POst Vengara Malappuram 676304	Hands on Training for students on making paper bags, cloth bags, mats etc	10000
176.	Malappuram	GMUPS Chirayil, Chirayil PO, Kondotty Via, Malappuram, 673638	Green Harvest - A Student led vegetable garden initiative	10000
177.	Malappuram	GMUPS Kakkad, Kakkad (P. O), Tirurangadi Malappuram 676306	LED bulb making workshop	10000
178.	Malappuram	GMUPS Oravampuram, Thachinganadam (PO), Pattikkad (Via), Oravampuram, Malappuram 679325	Led bulb assembling	6000
179.	Malappuram	GMUPS BP Angadi, Malappuram 676102	Zero waste hero campus	10000
180.	Malappuram	GUPS Anakkayam, Anakkayam PO Malappuram 676509.	Medicinal garden	10000
181.	Malappuram	GUPS Cheekode ,Cheekode PO, Malappuram ,673645	Workshop on led bulb making	10000
182.	Malappuram	GUPS Chengara, Chengara, Iruvetty (PO), 673639 (Pin), Malappuram	Setting up of vegetable garden on terrace (Using wick irrigation)	10000
183.	Malappuram	GUPS Chokkad, Chokkad PO, Wandoor ,Malappuram 679332	ഹരിതാഭ വിദ്യാലയത്തിന് കൈത്താങ്ങു-Biodiversity/ Butterfly garden	10000
184.	Malappuram	GUPS Mundothuparamba, Kuzhippuram Kavala, Othukkungal P. O, Malappuram 676528	Buddhamayoori-Butterfly garden	10000
185.	Malappuram	GUPS Myladi, Eranhimangad PO, Nilambur, Malappuram 679329	Led bulb making work shop	10000
186.	Malappuram	GVHSS For Girls Tirur, Bp Angadi, Malappuram Dist, 676102	Haritham-2024 (Vegetable garden, Hands on training for students on LED bulb making)	10000
187.	Malappuram	GVHSS Kalpakanchery, Kalpakanchery PO, Malappuram Dt	Eep-setting up of vegetable garden	10000
188.	Malappuram	GVHSS Mampad, Mampad P O, Malappuram. 676542	Ecofriendly Lifestyle Workshop (Making Paper , Cloth Bags, Mats )	10000
189.	Malappuram	GWUPS Nediyruppu, Arimbra PO, NH Colony, 673638	സമൃദ്ധിപച്ചക്ക- റിത്തോട്ടം	10000



190.	Malappuram	HIMUPS Manhappetta, Manhappatta PO, Malappuram- 676123	LED Bulb making project	10000
191.	Malappuram	HIOHSS Olavattur, Olavattur PO, Kondotty Via, Malappuram, 673638	Construction of led bulb & repairing	10000
192.	Malappuram	HMYHSS Manjeri, NSS College PO, Manjeri 676122	LED bulb making workshop	10000
193.	Malappuram	Ideal Public School Karuvarakundu, Karuvarakundu PO Malappuram 676523	Creation of butterfly garden & vegetable garden	10000
194.	Malappuram	Irshadiyya English School, Kolathur (PO), Malappuram Pin : 679338,	Hands-On Learning –LED and paper bag making	10000
195.	Malappuram	Jalaliya HS Edavannappara, Cheruvayoor PO. Edavannappara. Malappuram 673645	Adopting measures for plastic free campus	10000
196.	Malappuram	JMHSS Parannekkad, Parannekkad, Tirur (PO), Malappuram Pin 676101	Led bulb making & repairing for students	10000
197.	Malappuram	KM High School Karulai, Karulai (PO), Malappuram 679330	Healing Heaven-medicinal garden	10000
198.	Malappuram	KMGUP School Tavanur, Tavanur PO, Malappuram Dist, 679573	Led bulb and paper bag making	10000
199.	Malappuram	KNMAMUP School Vazhenkada North, Vazhenkada PO Malappuram Dt 679357	Medicinal garden	10000
200.	Malappuram	Kott AMUPS Tirur, Post Tirur, Malappuram Pin 676101	LED Bulb making workshop	10000
201.	Malappuram	Madin Public School Kadannamanna, Kadannamanna PO, Mankada, 679324	Wingdom butterfly garden	10000
202.	Malappuram	MAMUPS Arakkal, Thennala (P. O), Valakkulam (Via), Malappuram	Vegetable garden and LED bulb making	10000
203.	Malappuram	MAMUPS Vellila, Vellila PO Mankada Malappuram 679324	Training for students on making paper bag, cloth bag, mats	10000
204.	Malappuram	Markaz Public School, Qutubi Campus, AR Nagar, Kuttoor North (PO) Malappuram 676305	Setting up of Butterfly garden	10000
205.	Malappuram	Markazul Hidayah H S Vellila, P.O Vellila, Mankada, Malappuram 679324	Setting up off vegetable garden	10000
206.	Malappuram	MCUPS Vadapuram, Vadapuram (PO), Malappuram Pin-676542	Setting up of vegetable garden	10000
207.	Malappuram	MEMS English Medium School Thenhipalam, Thenhipalam (P O), Malappuram -673636	LED bulb making workshop	10000
208.	Malappuram	MES HSS Ponnani, Ponnani South-679586	School biodiversity garden	10000
209.	Malappuram	MET Public School Payyanad, Cholakal, Payyanad PO, Manjeri, Malappuram 676122	Setting up biodiversity garden	10000
210.	Malappuram	MPMHSS Chungathara, Chungathara P O, Malappuram 679334	Setting up of butterfly garden	10000
211.	Malappuram	MS NSS HSS Chakkalakuth, Chakkalakuth, Nilambur, Malappuram 679329	LED Bulb making workshop	10000
212.	Malappuram	NCT English Medium High School Kadannamanna (PO) Mankada, Malappuram Pin : 679322	LED Bulb making workshop	10000
213.	Malappuram	Novel International School, Pulikkal, Andiyoor Kunnu, Malappuram 673637	Biodiversity garden	10000
214.	Malappuram	OAUPS Poopalam, Valamboor PO, Malappuram, 679325	Butterfly garden	10000
215.	Malappuram	Pandallur Higher Secondary School, Kadambode PO, Pandikkad Via, 676521 (HSS section)	Thanal-Setting up of Biodiversity/ Butterfly garden	10000
216.	Malappuram	Peace Public School Kottakkal, Puthur (PO), Kottakkal 676503	Mushroom cultivation	10000
217.	Malappuram	PES Parappanad Kovilkam HSS, Chettipadi PO, Malappuram 676319	LED workshop	10000

218.	Malappuram	PMSA HSS Elankur, Elankur PO, Manjeri , Malappuram , 676122	കഞ്ഞിക്കട) mushroom cultivation)	10000
219.	Malappuram	PMSAM AUP School Karathode Oorakam Melmuri PO Malappuram 676519	Setting up of Vegetable garden	10000
220.	Malappuram	PMSAPT HSS Kakkove, Vazhayoor P. O, Malappuram 673633	LED bulb making	10000
221.	Malappuram	PPMHSS Kottukkara, Kondotty. PO, Malappuram 673638	Biodiversity garden, butterfly garden	10000
222.	Malappuram	PTMAMUPS Cherumittam, Valiyaparamba PO, Pulikkal-673637	Wellness Garden -Medicinal Garden	10000
223.	Malappuram	Ramankuth PMSAUPS, PO Ramankuth , Malappuram 679330	Let's fight against plastic	10000
224.	Malappuram	S V A U P School Iringavoor, Iringavoor Post, Tirur, Malappuram 676103	LED Bulb making workshop	10000
225.	Malappuram	Sainik Public School,Naduvath P.O Wandoor, Malappuram,-679328	Green Thrive-Medicinal Garden	10000
226.	Malappuram	Sastha A U P School Chamravattaom, Chamravattom PO, Via B P Angadi, Malappuram (Dt) 676102	Training for students on LED bulb making	10000
227.	Malappuram	SNMHSS Parappanangadi, Parappanangadi (P.O), Malappuram (Dt). 676303	The Harmony of Butterfly Garden	10000
228.	Malappuram	Tharheel Central School, Arichol,P.O.Puthur, Kottakkal, Malappuram	Hands on training for students on led making and repeiring	10000
229.	Malappuram	TIOUPS Peruvallur, Kumminiparamba PO Kondotty Malappuram 673638	Manninodappam-vegetable garden	10000
230.	Malappuram	UAHMUPS Omanur, Omanur, Omanur (PO), Malappuram	LED bulb making workshop	10000
231.	Malappuram	Umeri English School, Veliancode, Malappuram 679579	LED Bulb making Workshop	10000
232.	Malappuram	VMCGHSS Wandoor Wandoor PO Malappuram 679329	Making of LED bulb	10000
233.	Malappuram	VPAMUP School Puthoor, Arakkuparamba(PO) Thazhekkode(Via) Malappuram 679342.	LED bulb making work shop	10000
234.	Wayanad	SCHS Payyampally, Payyampally P.O, Wayanad, 670646	Setting up of vegetable garden	10000
235.	Wayanad	GUPS Kaniyambetta, Kaniyambetta (PO), Wayanad,673124	Nattarivu-Medicinal garden	10000
236.	Wayanad	Assumption High School Bathery, Sulthanbathery PO, Wayanad - 673592	Setting up of organic vegetable garden	10000
237.	Wayanad	AUPS Dwaraka, Nalloorad P O, Wayanad - 670645	Garden of flavours	10000
238.	Wayanad	GHSS Kalloor, Noolpuzha PO, Wayanad. 673592	Haritham - plastic free campus	10000
239.	Wayanad	GUPS Kallinkara, Kozhuvana, Thazhathoor PO, Wayanad - Pin: 673595	Vegetable garden	10000
240.	Wayanad	GUPS Mananthavady , Mananthavady P.O, Wayanad,670645	Plastic free campus	10000
241.	Wayanad	GVHSS Kalpetta, Kalpetta ( PO), Wayanad, 673121	Setting up of Bamboosetum	10000
242.	Wayanad	H.I.M.U.P.School Kalpetta, Kalpetta PO, Wayanad- 673121	Mushroom Magic- Mushroom cultivation	10000
243.	Wayanad	Little Flower UP School, Mananthavady, Wayanad Pin-670645	മുള നിറയും വഴിയേ...	10000
244.	Wayanad	St.Antony's AUPS Pazhoor, Cheerl P.O, Wayanad	Implementation of Medicinal plant garden	10000
245.	Kannur	GHSS Irikkur, Irikkur P.O, Irikkur, Kannur - 670593	Butterfly garden	10000
246.	Kannur	GHSS Azhikode, Meenkunnu,Azhikode	Setting up of medicinal garden	10000

		South , Kannur - 670009		
247.	Kannur	GHS Thadikkadavu , Thadikkadavu (Post), Kannur -(Dist)-670581-Pin	Butterfly park	10000
248.	Kannur	Tholambra UPS, Tholambra (PO),Malur, Kannur 670673	Setting up of medicinal garden	10000
249.	Kannur	MRUP School Mattool,P.O, Mattool, Kannur 670302	Production of led bulb	10000
250.	Kannur	St. Sebastian's UPS Veerpad ,Velimanam P.O, Kannur- 670704	Setting up of Vegetable garden	10000
251.	Kannur	Govt. Ayyalath UP School, Chirakkara, Kannur 670104	Setting up of Vegetable garden.	10000
252.	Kannur	Mullakkodi AUP School, Arimbra, (PO) Mayyil, Kannur, 670602 (Pin)	Setting up of biodiversity and butterfly garden	10000
253.	Kannur	Kariyad Nambiar 'S HSS, PO Kariyad South 673316,Kannur	Sweet Forest -Biodiversity garden	10000
254.	Kannur	Palayad Basic U P School, PO Palyad, Kannur-670661	Back To Tradition- Medicinal garden	10000
255.	Kannur	Govt Higher Secondary School, Thottada, P.O.Thottada, Kannur. 670007	Vegetable garden	10000
256.	Kannur	GUPS Palayathuvayal, Peruva POst,Kolayad 670650	Little Farmer-Vegetable garden	10000
257.	Kannur	GHSS Prapoyil, Prapoyil(P. O), Kannur 670511	From seed to plate-Vegetable garden	10000
258.	Kannur	SN Trusts HSS Thottada, PO Thottada Kannur, 670007	Flying Jewels- Butterfly garden	10000
259.	Kannur	Puliyannambram Muslim U P School, Puliyannambram (PO) , Peringathur, Kannur 670675	Hands on training for students on making paper bag, cloth bags, mats etc	10000
260.	Kannur	Anjarakandy Higher Secondary School, Kavin Moola, P. O. Mamba, Kannur Pin. 670611	Hands on training for students on LED bulb making	10000
261.	Kannur	GHSS Morazha, Mullool Vellikkeel Road, Morazha, Kannur- 670331	Setting up of vegetable garden	10000
262.	Kannur	AKGM GHSS Pinarayi(HSS section), PO Pinarayi,Kannur - 670741	Afforestation of an endangered species "White Dammar ( <i>Vateria indica</i> ) in Kannur District.	10000
263.	Kannur	St. Joseph's U P School Arabi, Arabi P. O, Ulikkal, Kannur (D.T) 670705	Biodiversity and Butterfly garden	10000
264.	Kannur	Govt.Town HSS, Kannur, Kannur - 670001	Harithodyanam-biodiversity garden	10000
265.	Kannur	CHMKSGHSS Valapattanam, Valapattanam(PO), Kannur-670010	Setting up of medicinal garden	10000
266.	Kannur	Vayathur U.P School, Ulikkal (P.O), Kannur 670705	Vegitable garden	10000
267.	Kannur	BEMPHSS, Thalassery, Thalassery P.O, Kannur- 670101	Green gate	10000
268.	Kannur	Deenul Islam Sabha Girls Higher Secondary School(DISGHSS), Kannur City-670003	White button mushroom cultivation	10000
269.	Kannur	Kadachira HSS, Kadachira(PO), Kadachira, 670621	Inspire green thinking in students	10000
270.	Kannur	SSGHSS Payyanur,Kandankali, Payyanur 670307	Pachappu-Vegetable garden	10000
271.	Kannur	GHSS Padiyoor , Padiyoor P O , Kannur 670703	Samriddhi-Vegetable,medicinal garden	10000
272.	Kannur	GHSS Kannadiparamba, Kannadiparamba P O, Kannur 670604	Necessity of the medicinal garden	10000
273.	Kannur	IJMHS Kottiyoor, Kottiyoor PO , Kannur, 670651	Vegetable garden project	10000
274.	Kannur	Vengad South Up School, Vengad, Kannur, 670612	Led bulb making	10000
275.	Kannur	Koodali UP School,Koodali P.O, Kannur 670592	Setting up of biodiversity garden	10000



276.	Kannur	South Kuthuparamba UP School, Kuthuparamba, PO Kuthuparamba, Kannur Pin 670643	Vegetable Garden/LED bulb making/Paper bag,mat	10000
277.	Kannur	GHSS Munderi, P.O.Kanhirode P.O, Kannur 670592	Setting up of butterfly garden	10000
278.	Kannur	GHS Aroli, Aroli ,Pappinisseri P.O, Kannur	Setting up of vegetable garden and plastic free campus	7000
279.	Kannur	Kamaliya Madrassa Aup School, Irikkur, Kannur 670593	Haritha campus- butterflygarden	10000
280.	Kannur	St.Peters L.P School,Burnacherry, Burnacherry P.O, Kannur 670013	Setting up of Vegetable garden	10000
281.	Kannur	Eriam Vidyamithram U P School, Eriam ,PO Eriam Mm Bazar (Via) ,Kannur 670306	Bio diversity garden	10000
282.	Kannur	St Thomas Up School Manikkadavu, Manikkadavu PO ,Ulikkal, Kannur 670705	Vegetable garden	10000
283.	Kannur	GvHSS Chirakkara, Chirakkara P O, 670104 Thalassery Kannur Dist	Making of butterfly garden	10000
284.	Kannur	GHSS Vellur, Vellur(P.O.), Kannur -670 307	Bio diversity garden	10000
285.	Kannur	EKNS GHSS Vengad, Vengad (P.O) , Kannur 670612	Setting up of vegetable garden	10000
286.	Kannur	Karis UP School Mattara, Mattara P.O, Kannur-670705	Biodiversity garden	10000
287.	Kannur	GUPS, Payampayam East. P. O, Payam, Iritty. Kannur 670704	Biodiversity garden	10000
288.	Kannur	Ambayathode UP School, P.O Ambayathode Kannur Pin 670651	ഹരിതം ജൈവപച്ചക്കറി കൃഷി	10000
289.	Kannur	Iringal UP School,C.Poyil,Pariyaram (PO), Kannur- 670502	Biodiversity garden	10000
290.	Kannur	P. R. Memorial Kolavallloor HSS, Thuvakkunnu Post, Kannur 670693	P. R. M fruit garden 2k24	10000
291.	Kannur	St. JosepHS UPS Kunnoth, Kiliyanthara (P O) Kannur -670706	Creating biodiversity garden:a heaven for nature	10000
292.	Kannur	Aaron U P School Pappinisseri , Kannur Pin 670561	Biodiversity garden	10000
293.	Kannur	St Joseph's HS Adakkathode, Adakkathode PO Kelakam Kannur 670674	Veggie venture	10000
294.	Kannur	Desamithram Up School Cheadichery, Peruvalathuparamba (P.O), Kannur 670593	LED ബൾബ് നിർമ്മാണം	10000
295.	Kannur	MMHS New Mahe, New Mahe P.O, Thalassery South, Kannur-673311	Adopting measures for plastic free campus	10000
296.	Kozhikode	St. Thomas UPS ,Koorachund PO, Kozhikode Dist Pin No 673527	Setting up of vegetables garden	10000
297.	Kozhikode	Auxilium Navajyoti School, Kunnamangalam, Mla Road, Kunnamangalam, Kozhikode- 673571	Bella Casa- Vegetable garden	10000
298.	Kozhikode	GHSS Kunduparamba, P O Edakkad, Kozhikode , Pin: 673005	Sustainable product development using Banana fibre and other Banana waste	10000
299.	Kozhikode	Govt. U P School Padinhattummuri, Kizhakkummuri PO Kakkodi, Kozhikode 673611	Plastic free campus	10000
300.	Kozhikode	GUPS Manakkad, Cheroopa PO,Mavoor, Kozhikode- 673661	A Step for Nature-Hands on training for students on making paper bags, cloth bags, mats etc	10000
301.	Kozhikode	GUPS Naduvattam PO, North Beypore, Kozhikode, 673015.	Setting up of vegetable garden	10000
302.	Kozhikode	GUPS Thiruvannur, Thiruvannur Nada PO Kozhikode-673029	Vegetable cultivation	10000

303.	Kozhikode	GVHSS Thamarassery,PO, Thamarassery, Korangad, Kozhikode-673573	Setting up of medicinal garden	10000
304.	Kozhikode	Holy Family HS Venappara , Venappara P O, Kozhikode-Pin:6735	Wings of wonder A vibrant butterfly garden	10000
305.	Kozhikode	Holy Family UP School, Changaroth, Changaroth (PO), Kozhikode(Dt),673513	VERDECO-Medicinal garden	10000
306.	Kozhikode	Infant Jesus EMHS Thiruvambady, Kozhikode- 673603	Setting up vegetable garden	10000
307.	Kozhikode	Koothali VHSS Perambra, Paithoth, Perambra POst , Kozhikode-673525	Setting up of vegetable garden	10000
308.	Kozhikode	M. S. S. Public School, Mavilikkadavu, Vengeri ( PO) Calicut - 10	Setting up of vegetable garden	10000
309.	Kozhikode	MAMUP School Vilakkamthode, Punnakkal (PO)Thiruvampady (Via) Calicut,	LED bulb making workshop	10000
310.	Kozhikode	MJHSS Elettil , Elettil, Elettil PO, Koduvally, Kozhikode 673572	Nurturing Nature: Vegetable garden	10000
311.	Kozhikode	Nanminda Higher Secondary School, Nanminda(PO), Kozhikode-673613	Adopting measures of plastic free campus	8000
312.	Kozhikode	NMM AUPS Narath, Ulliyeri P.O, Kozhikode-673323	Biodiversity garden	10000
313.	Kozhikode	St Josephs Anglo Indian GHSS, Beach Road Kozhikode 32	Green campus beautification	10000
314.	Kozhikode	St Joseph's Boys HSS, Silk Street, Kozhikode 32	Haritha prabhavam-vegetable garden	10000
315.	Kozhikode	St Mary's High School Kallanode, Kallanode PO, Koorachundu, 673527	Training for students on making paper bags ,cloth bag and paper pen	10000
316.	Kozhikode	St Mary's Jnanodaya English School, Maikav	Butterfly garden	10000
317.	Kozhikode	St. Thomas H S Koorachund. Koorachund Post. 673527	Setting up of biodiversity garden	10000
318.	Kozhikode	St. Joseph's H S Pullurampara, Pullurampara, Kozhikode, 673603	എക്കോ പ്ലസ് -Bamboosetum	10000
319.	Kozhikode	TSGVHS Payyoli , Thikkody (PO) Kozhikode-,673522	Plastic free campus-hands on training on paper/cloth bag making	10000
320.	Kozhikode	Vaikkilassery UP School, PO Vaikkilassery, Vadakara, Kozhikode--673104	Hands on training on Bamboo craft, banana fibre, wood craft etc	10000
321.	Kozhikode	Valliad East LP School, Valliad PO, Villiappally Via, Kozhikode- Pin 673542	Butterfly garden	10000
322.	Kasaragod	Jnanodaya A S B School Manya, Post Ullody Via Kumbla, Bela Kasaragod 671321	Vegetable garden, Waste composting	10000
323.	Kasaragod	GHS Perdala, Kasaragod 671551	Hands on training for students on LED bulb making and repairing	10000
324.	Kasaragod	G. H. S. S Balla East, Balla (P. O), Chemmattamvayal, 671531	Madhuravanam- Biodiversity garden	10000
325.	Kasaragod	GHUPS Kurchipalla, Uppala P.O, Kasaragod	Vegetable garden	10000
326.	Kasaragod	GFUPS Ajanur Kolavayal P O Kasargod Pin : 671531	Setting up of vegetable garden	10000
327.	Kasaragod	AUP School Anekal, Anekallu Post, Manjeshwar Kasargod - 671323	Creating a Sustainable Wellness Garden(medicinal garden)	10000
328.	Kasaragod	SNHS Perla, P.O Perla, Kasaragod District.	Vegetable garden&hands on training for students on making old tiles pot.	10000
329.	Kasaragod	GHSS Udinur, Udinur, Udinur (PO), Kasaragod, 671310	Miawaki forests	10000
330.	Kasaragod	SSHS Sheni, PO Sheni, Via Kumbla, Kasaragod 671552	Vegetable garden	10000
331.	Kasaragod	GSBS Kumbla, Kumbla(PO), Kasaragod -671321	Setting up of vegetable garden	10000

332.	Kasaragod	GHSS Balal, Balal PO, Kasaragod- Pin 671533	Setting up of Vegetable garden	10000
333.	Kasaragod	St. Jude's HSS Vellarikundu, Vellarikundu P. O, Kasaragod Dist, 671534	Vegetable garden	10000
334.	Kasaragod	GVHSS Kuniya, Periya P.O, Kasaragod, 671320	Adopting measures for Plastic free campus	10000
335.	Kasaragod	GFHS Marakkappukadappuram, Thaikadappuram.P.O, Kanhangad, Kasargod District- 671314	Setting up of butterfly garden	10000
336.	Kasaragod	GCS GHSS Elambachi, P.O. Elambachi , South Trikaripur, Kasaragod Pin - 671311	Vegetable garden	10000
337.	Kasaragod	GHSS Kakkat, Bengalam(P.O), Kasargod Dist, 671314	Setting up of butterfly garden	10000
338.	Kasaragod	GHSS Parappa, Parappa P O, Kasaragod Pin- 671533	Adoption of natural cave for protection in our school	10000
339.	Kasaragod	TIHSS Naimarmoola PO Vidyanagar Kasargod - 671123	Setting up vegetable garden	10000
340.	Kasaragod	GMVHSS Kasaragod, Thalagara (PO),Kasargod- 67112	Vegetable garden	10000
341.	Kasaragod	AUPS Udinur Edachakai, Post, Edachakai, Kasargod Dist 671310	Hands on training for students on LED bulb making	10000
342.	Kasaragod	GHS Banam, Parappa (PO), Kasaragod (Dist), Pin-671533	Pachathuruth Paripalanam- Biodiversity garden	10000
343.	Kasaragod	MMAUPS Thuruthi, Anangore, Thuruthi, Kasargod 671121	Hands on training for students Mushroom cultivation	10000
344.	Kasaragod	AUPS Movvar, PO Movvar, Kasaragod, 671543	Herbal garden-Medicinal garden	10000
345.	Kasaragod	GHSS Adhur, PO Adhur Kasaragod 671543	Vegitable garden	10000
346.	Kasaragod	GFHSS Bekal, Malamkunnu, P O Bekal, Kasaragod	Setting up of Biodiversity Garden	10000
347.	Kasaragod	St Paul's AUPS Trikaripur, Trikaripur PO, Kasargod- 671310	Vegetable garden	10000



## Vegetable Garden







### Butterfly & Biodiversity Garden







*Medicinal Garden*



*LED Bulb making workshop*







*Eco friendly Floor Cleaners & Soaps making*



*Plastic Free Campus*





### *Mushroom Cultivation*



**ENVIRONMENT EDUCATION PROGRAMME KERALA**  
**THEMATIC CAMPAIGNS & COMPETITIONS 2024**

***Report 2024-25***  
***A Programme of***



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE**  
**GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
TECHNOLOGY AND ENVIRONMENT,  
SASTHRA BHAVAN, PATTOM,  
THIRUVANANTHAPURAM, 695004**



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## THEMATIC CAMPAIGNS & COMPETITIONS 2024

### Introduction

Thematic campaigns/ competitions aims at organising programs like Quiz, Debate, Essay, Painting, Physical Activities, Community participation, etc., would give target beneficiaries a platform for expressing their ideas and spreading their word to the public. The initiatives are under the theme of Lifestyle for Environment (LiFE) mission. Kerala State Council for Science Technology and Environment under Environment Education programme of the Ministry of Environment, Forests & Climate change organised Thematic campaigns and competitions targeting National Green Corps ecoclub students of various districts.

The programs organised under this are

1. Thematic Campaigns includes
  - Beach Cleaning Programme
  - River Cleaning Programme
  - Pond Cleaning Programme
  - Public Place Cleaning
  - Awareness Classes
2. Thematic Competitions includes
  - Painting
  - Quiz

### **REPORT THEMATIC COMPETITIONS**

Thematic competitions were conducted as a part of bringing environmental activities to the children. All the competitions were conducted to develop the ideas and imagination of the children about various topics and the thematic competition was done to transform the children into better environmental activists

Thematic Competitions aims to organise Competitions such as Quiz, painting, Debate, and Essay writing for ecoclub school students of LP, Upper Primary, High School and Higher Secondary students of Ecoclub schools.

This year EEP Kerala organized District level and State level Quiz & Painting competitions in all districts for ecoclub students of LP, Upper Primary, and High School and Higher Secondary category. The programme was organized in association with NGC District Implementation Committee of 14 districts. Thematic Competitions organised in each districts

**14 Painting 14 Quiz competitions for LP, UP, HS &HSS category.**

**Total Number of participants: 2271 participants**

*Consolidated list*

Sl No	District	Date	Venue	No of students	Programmes organised
1.	Trivandrum	18.01.2025	Mar Ivanios College, Trivandrum	121	Quiz & Painting
2.	Kollam	18.01.2025	Cravan LMS HS	195	Quiz & Painting
3.	Alappuzha	31.12.2024	Govt Girls HSS Alappuzha	138	Quiz & Painting
4.	Kottayam	27.01.2024	St. Mary's EMS, Manarcad	253	Quiz & Painting
5.	Idukki	07.12.2024	Ossanam HSS Kattappana	100	Quiz & Painting
6.	Malappuram	30.11.2024	Govt.College Malappuram	250	Quiz & Painting
7.	Wayanad	21.12.2024 11.01.2025	HIM UPS Kalpetta & GLP School Kalpetta	186	Quiz & Painting
8.	Kasargod	11.01.2025	CKNS GHSS Pilicode	202	Quiz & Painting
9.	Ernakulam	11.01.2025	St Augustins HSS Muvattupuzha	70	Quiz & Painting
10.	Pathanamthitta	14.1.2025	SCSHSS Thiruvalla	134	Quiz & Painting
11.	Thrissur	14.01.2025	Govt GMGHS Thrissur	140	Quiz & Painting
12.	Palakkad	26.12.2024 11.01.2025	Moens HSS Palakkad	138	Quiz & Painting
13.	Kozhikode	2.01.2025 10.01.2025	GTTI UPS Mananchira GVHSS Cheruvannur	135	Quiz & Painting
14.	Kannur	05.01.2025	Govt TTI Ups Kannur	209	Quiz & Painting
			<b>Total No of participants</b>	<b>2271</b>	

## 1. TRIVANDRUM DISTRICT

EEP Kerala under DIMC Trivandrum organised Painting and Quiz competitions for school students on 18.01.2025 at Mar Ivanios College, Trivandrum. 121 students from various schools participated. The programme was organized with the support of DIMC members, including the Deputy Director of Education and District Education Officers from Attingal, Neyyattinkara, and Thiruvananthapuram. The event was widely publicized through DEOs and AEOs in Thiruvananthapuram District.

In Thiruvananthapuram district, the programme was conducted with the collaboration of the Bhoomitra Sena Club at Mar Ivanios College. Due to the overwhelming response to the painting competition, the programme was held on 18/01/2025 in two sessions: a morning session for the painting competition and an afternoon session for the quiz competition.

The event was officially inaugurated by Prof. Dr. Meera George, Principal of Mar Ivanios College. Speeches were given by Fr. Thomas Varghese, Assistant Professor in the Zoology Department; Dr. Abhilash, Department of Economics; Dr. Suju Skaria, Associate Professor and Convenor. In line with the Ministry of Environment, Forest, and Climate Change's directive, an oath-taking ceremony was also conducted, led by Ms. Safa Fathima from BMC. Ms. Smitha Kuriyan, Convenor of the Subdistrict Tvm North, was also present. Mr. Deepak



Chandran, Convenor of Kilimannoor Subdistrict, delivered the vote of thanks. The volunteers from BMC played an active role in ensuring the success of the programme.

### Winners list

#### Painting Competition

LP section	UP section	HS Section	HSS Section
1. Avanthika.K GLPS,Cotton Hill, Vazhathacadu 2. Akshitha Binesh Bharatiya Vidya Bhavan 3. Anamika Rajeev GLPS Anad	1. Sarenga.S.K. GHSS Pirappankode 2. Nakshtra P.S Sarvodaya Vidyalaya 3. Jyothima.S St.Mary's HSS Pattom	1. Neehara.A.R. Carmel School,Peyad. 2. Jyothika.S. St.Mary's HSS,Pattom 3. Ashmi.S.Raj PM Shri.KV Pattom	1. Aleena.A.P GGHSS,Cotton Hill 2. Rudra Nair ChinmayaVidyalaya, Naruvanmoodu 3. Jyothishma GGHSS,Cotton Hill

#### Quiz competition

UP Section	HS Section	HSS Section
1. Sreelekshmi.G.J GVHSS Kallara 2. Ambarish A Nair PSNMUPS Veliyannoor. 3. Nikhitha.M.A GMGHSS,Pattom	1. Abhinav.AA VVHSS,Nemom. 2. Anakha A SKVHSS Nanniyode 3. Krishnanjali.J.R SKVHSS Nanniyode	1. Aleena.A.P GGHSS Cotton Hill 2. Amal.R.S VVHSS Nemom 3. Harinandan .P.A VVHSS Nemom



## 2. KOLLAM DISTRICT

EEP Kerala under the DIMC Kollam organised Environmental Painting and Quiz Competitions for school students of UP, HSS section on 18.01.2025 at Cravan LMS HS Kollam. 195 students from various schools participated in the Painting and Quiz competitions. The children, who had pre-registered their names reached Cravan LMS HS Kollam at 9.00 am, entered the hall specially prepared for each section and secured the registration and started the various competitions from 10.00 am onwards.

The topics selected for painting in each each group are

LP – Eco-Friendly School

UP – Green Village

HS – Sunset Beach and Green Protocol

## HSS – 2024 Wayanad Durandam

The topics selected for Quiz was Environment, General Knowledge and current affairs

After the competitions the prize distribution to the winners were done by Shri. Bright Joseph, Headmaster, Craven LMS HS Kollam

### Winners list

#### Painting Competition

LP section	UP section	HS Section	HSS Section
1. Saavansugunan, Rose Dale EMLPS Polayathod 2. Adhidev, Govt SKV UPS Kozhikode 3. Adithya MS, GVHSS Kottankulangara	1. Siyana, GWUPS Padanayarkulangara 2. Athulya BR, Mount Tabor HS Pathanapuram 3. Nayanan S, GHS Thalachira	1. Ananya S Subhash, Vimala Hridaya GHSS Pattathanam 2. Abhinav AI, Krist Raj HSS Kollam 3. Rumaise Ali, MSM HSS Chathinamkulam	1. Aaziya Sajeey, SJ Convent GHSS TUET Kollam 2. Amina NA, GVHSS Eravipuram 3. Abhimanue G, SVHSS Clappana

#### Quiz Competition

LP section	UP section	HS Section	HSS Section
1. Nihad Nousad, GLPS Maruthoorikulangara 2. Naithika, LVUPS Muzhangodi 3. Sreyas S, GUPS Adinadu	1. Karthik Krishna, GUPS Adinadu 2. Devaprayag VD, GHSS Anchalumood 3. Athididev AK, GUPS Nilamel	1. Nitha Manoj, Mayyanad HSS 2. Athulya V, Mar Thoma GHS Kottarakkara 3. Abiya Saji, Govt PVHSS Perumkulam	1. Nidhin Manoj, Mayyanad HSS 2. Muhammed Rashid I, SVHSS Clappana 3. Rino Godson Krist Raj HSS Kollam



### 3. PATHANAMTHITTA DISTRICT

EEP Kerala under the DIMC Pathanamthitta organised Environmental Painting and Quiz Competitions for school students of UP, HSS section on 03.02.2023 at SCSHSS Thiruvalla,



Pathanamthitta. 77 students from various schools participated in the Painting and 76 students participated in the Quiz competition.

The Quiz programme was inaugurated by Prof Smt. Reny Varghese – Head Mistress SCS HSS, Thiruvalla. The Quiz Masters were Dr.S Vidhu (Principal Padasala Pathanamthitta), Prof. P G Philip (Retd) and Biju Mathew K.C (H S A Retd)

The topics for LP- Green Earth, UP-Environmental Pollution, HS- Global Warming and HSS- Challenges of Sustainable Life Style

The Objective of the Session was to evaluate the knowledge of the participants and help them to gain broad and specialized understanding of the subject in sustainable life style and to make them familiar with the prospectus of Quiz programs. Throughout the competition children stayed relaxed and enjoyed the program. After the competition Participation certificates were awarded. Snacks were served after the program. Results of the competition were declared just after the competition. Mementos, Prizes and Certificates were awarded to the winners accordingly.

The Painting Competition was inaugurated by Sri. Navaneeth Krishna Principal DBHSS, Thiruvalla. The Invigilators were C P Prasannan (Director. C K Ra Art & Craft Skool, Thiruvalla), Divya Rajesh (Art Teacher S N V S HS Thirumoolapuram) & Sri Santhosh K ( Art Teacher, MGM HSS Thiruvalla). The Topics selected for each group were LP- Green and Clean Environment, UP- Sources of Pollution, HS- A Model Sustainable City, HSS – Man and Wild Life Conflict. After the competition Participation certificates were awarded. Snacks were served after the program.

On February 6th Thursday (06/02/2025) Prize Distribution Ceremony was conducted at DBHSS Thiruvalla. Smt. Mini Kumari the Assistant Education Officer of Thiruvalla was the chief guest. The principle of DBHSS Sri Navaneeth Krishana, the Headmistress of DBHSS Smt. Lata Kumari and the Counselor of Thiruvalla Municipality Sri Srinivasan were among the other guests. Mementos, prizes and certificates were distributed to the winners by the guests. An Exhibition of selected paintings were also exhibited at the school auditorium. All the winners along with their parents and teachers also participated in the program.

### Winners list

#### Painting Competition

LP section	UP section	HS section	HSS Section
1. Sidharth. R GLPS Podoyadi.	1. Navaneeth Krishana. S. Christ Central School Thiruvalla	1 Ashlin Shaji St. Thomas HSS Eruvallipra	1.Abhinav RV DBHSS Thiruvalla
2. Girija NM GLPS Kavumbhagam	2. Ashwin A Nair DBHSS Thiruvalla	2. Athul Santhosh St. Thomas HSS Eruvallipra	2. Aparna B DBHSS Thiruvalla
3. Nandhu S EALPS Eruvallipra	3. Arshith Ajeesh MGM HSS Thiruvalla	3. Aswin Ajayan R V HSS Konni	3. Nasiya N DBHSS Thiruvalla

#### Quiz Competition

LP section	UP section	HS section	HSS Section
1. Aaron Varghese Govt. New LPS Chanthankary	1. Evan K Prince SCS HSS Thiruvalla	1. Savio Sunil SCS HSS Thiruvalla	1. Amisha A DBHSS Thiruvalla
2. Kabani Karthiyani. St. Mary's GHS	2. Madhav Sreekumar Nair DBHSS Thiruvalla	2. Gautam Krishna DHHSS Kavumbhagam	2.Abhay Ajeesh DBHSS Thiruvalla.
3. Adidev S EALPS Eruvallipra	3. Rijo T S, National UP School Vazhamuttam	3. Karthik S SCS HSS Thiruvalla	3. S. Padma Lakshmi DBHSS Thiruvalla
	4. Nachiketh Pradeep DBHSS Thiruvalla		





Quiz competitions progressing



Painting completion progressing

#### 4. ALAPPUZHA DISTRICT

EEP Kerala under the DIMC Alappuzha organised Thematic Competitions (Painting & Quiz) for students under NGC Eco clubs 2024-25, with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) and Education department officials on 31/12/2024 at Govt. Girls HSS, Alappuzha. One Hundred and Thirty Eight (138) eco club students from about 87 schools participated in competition.

Quiz Competition : Topic: Ecology & Environment (all categories)

Painting competition (Max. Time: 1.5 Hrs) LP, UP, HS & HSS levels separately

Topic: a) LP: Save Tree, Save Earth

b) UP: Clean, Green Environment

c) HS: Pollution free City

d) HSS: Urbanization and Environmental imbalance

Three resource persons (Sri. Josekutty Sebastian, Sri. Radhakrishnan & Sri. Raju V) and 3 teachers deployed for conducting programme. Judging panel for painting included Artist. Reviprasad, Sri Radhakrishnan (Rtd. Drawing Teacher) & Sri Venu, Drawing Teacher, Govt. HSS, Mangalam & Haripad). Smt. Sobhana, Asst. Education officer Alappuzha distributed prizes and certificates to winners. (First, Second & Third prizes).

#### Painting Competition

LP	UP	HS	HSS
1) Olivia KV, St. Joseph's LPG School, Alappuzha	1) Arya Vineeth, Govt. Girls HSS, Haripad	1) Vimal Sad, Govt. DVHSS, Charamangalam	1) Abijith Biju, VHSS, Kanichukulangara
2) Charutha S, Govt. UPS, Thiruvampady	2) Abin Suresh, Mannarasala UPS, Haripad	2) Arunima Subhash, HSS, Thiruvampady	2) Ameesha NS, Govt. Girls HSS, Cherthala
3) Akshara Ashokan, Govt. UPS, Thiruvampady	3) Jyothika J, SDV Govt. UPS, Neerkunnam	3) Meghana B, BBHS, Nangiarkulangara.	3) Akshay Krishnan R, Govt. HSS, Ayaparambu



### Quiz Competition

UP	HS	HSS
1) Devanandan SJ, SDV Govt. UPS, Neerkunnam 2) Mukil Sajan, Govt. Model HSS, Ambalapuzha. 3) Vaisnavi MS, Mannarasala UPS, Haripad	1) Devadars S, Govt HSS, Kakazham 2) Abhinav Krishna A, Govt HSS, Paravoor 3) Harinarayanan S, NRPMHSS, Kayamkulam	1) Vedalekshmi S, Govt. Model HSS, Ambalapuzha 2) Rohith R, Aravukad HSS, Punnapra



## 5. KOTTAYAM DISTRICT

District level Painting and Quiz competition were held at St. Mary's English Medium School, Manarcad on 2<sup>nd</sup> January 2025 at 10 am. 253 students from various schools participated. Prize money and certificates were distributed by Prasannan Anickad (Famous Cartoonist and social worker) and Smt. Aleyamma Thomas (Rtd. Principal, BIGHSS, Pallom)

After the completion of the competitions Prize money and Certificates were distributed by Sri. Prasannan Anickad (President, Cartoon Academy).

### Winners list

#### Painting Competition

LP section	UP section	HS section	HSS Section
1. Sreenandana VR, St. Mathews LPS, Kadanad 2. Seena Anna, GLPS, Kollad 3. Sathvika S, Baker Vidyapeeth	1. Kohilasree M, St Joseph's CGHS, Kottayam 2. Nirupama KiranAraavinda Vidyamandir, Anickad 3. R Gourisankar,	1. Sreelakshmi Jayaram, SHGHS, Bharananganam 2. Iniya A, Baker Memorial GHS, KTM 3. Sreelekha Suresh, Emmanuel HSS, Kothanallur	1. Abhijith Binoy, Holyfamily HS, KTM 2. Alan K Binu, CSMHSS, KTM 3. Vyakh R, GHSS Thrikkodithanam



	Kendriya Vidyalaya,KTM		
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### Quiz Competition

LP section	UP section	HS section	HSS Section
1. Nishan Sheraf, MDSLPS,KTM 2. Sreenandana S Nair,GLPS,Mevada 3. Niranjana MGUPS,Anicad	1. Hamel Shaiju Varghese, GUPS, Velloothuruthy 2. Pathma VM, St.Ephrem's UPS,Chirakkadavu 3. Saira Salib, SHHS,Pangada	1. Karthik P,Emmanuel HSS,Koothaloor 2. Sonu Saji, St.Mary's EMS, Manarcaud 3. Sreehari S, Aravinda Vidyamandiram, Anickad	1. Asiya Ajeeb, GHSS Thrikkodithanam 2. Devakrishna S, GHSS, Thrikkodithanam 3. Sreelakshmi S, Aravinda Vidyamandiram, Anickad



## 6. DUKKI DISTRICT

Thematic competition in Idukki District was held on 07.12.2024. Ossanam HSS auditorium Kattappana. Painting - water color competition was started at 10:00 AM and Quiz at 1:30 PM. The program was inaugurated by DDE of Idukki Mr. Shaji S and Rev. Fr. Manu k Mathew principal of Ossanam HSS Kattappana presided over the meeting. Mr. Antony parathodu OISCA international district chapter president made a valuable message and also the honoured the winner of Top Teen South Indian chapter OISCA international contest. Mrs. Annie Jebarah OISCA women's forum conviner Idukki chapter extended vote of thanks.

The first competition was painting -water colour started at 10:30 am and finished at 12: 30pm. 52 students took part in this session in 4 sections LP, UP,HS and HSS. 12 students from LP, 18 contestants from UP,18 compiteters from HS and 4 painters from HSS. Drawing sheets and other materials were given to the participants. Two judges where there for the smooth running of the contest. Mr.Joy Joseph and Jilimol Chacko valued the sheets and found out the 3 winners from each section like first, second and third places.

### Painting Competition

LP Section	UP Section	HS Section	HSS Section
Manasa Manoj, G U P S Elappara	Haripriya Ajai, Ossanam EMHSS Kattappana	Ayona Mariya Jose, Ossanam EMHSS Kattappana	Jerom Thomas, GHSS Anakkara



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## Quiz Competition

### UP Section

Mariya Febins, Holy Family UPS  
Kiliyarkandam,  
Joseph Biju S, M H S S  
Murikkassery

### HS Section

Felix John Mathew,  
M A I H S  
Viswanthapuram

### HSS Section

Mahi Majeesh,  
G H S S Anakkara



## 7. ERNAKULAM DISTRICT

National Green Corps Ernakulam District (NGC) were organized a District level Thematic Competition programme for nature club students in Quiz and Painting from LP School to Higher Secondary School (HSS, HS, UP and LP) on 11/02/2025 at St. Augustine Girls HS, Muvatupuzha. The official programme was started at 9.30 AM by the welcome address of the District coordinator, in his speech he pointed out that the students involvement in nature club activities and its importance to protect our nature from various environmental issues, followed by inaugural address of School Principle Sr. Sini Stephan, Professor Mr. Midesh deliver the facilitation and nature club in charge Ms. Salvishijo deliver the vote of thanks. Students of various school of Ernakulam District were participated in the competition

### Painting

Students of various category (LP, UP, HS, HSS) were participated in the painting competition from different schools of Ernakulam district. The students were actively participated in the competition based on nature based dream. The evaluation of painting competition was done by Mr. Sajeesh P A, RLV, Kerala Lclithakala Academy State award Winner 2014 and National Lalithakala Academy Winner.



## Winners list Painting Competition

LP Section	UP Section	HS Section	HSS Section
A R Devananda, St. Mary's UPS Achelpetty	Siva Priya S, St. Augustines GHSS Muvattupuzha	Vaiga Rej, St. Augustines GHSS Muvattupuzha	Alita Reji, St. Augustines GHSS Muvattupuzha

### Quiz Competition

Students of various category participated in the quiz competition from different schools of Ernakulam district. The competition is conducted by Quiz Master, Mr. Midesh, Assistant Professor, Department of Civil Engineering, MET'S School of Engineering.

UP Section	HS Section	HSS Section
Adarsh Rajeev., Fr. JBM UPSchool Malayankeezhu	Hasniya Muhammed Farooque, St. Augustines GHSS Muvattupuzha	Paulson Shaju, Guardian Angel EMHSS Mannoor

Certificates and memento were distributed to all the Prize winners and participants

## 8. THRISSUR DISTRICT

EEP Kerala under DIMC Thrissur organised Painting & Quiz competitions for school students on 14.1.2025 at Government Model Girls Higher School Thrissur. 140 students from various schools participated Quiz competition and painting competition on UP, HS, and HSS Category.

The programme was inaugurated by Radhika.O (Asst. Editor Mathyabhoomi) Thrissur Secretary Press Club Forum Thrissur, DEO Dr. Ansar .A.S. Presided over and felicitated the teachers who won the Harithamitra award. Iringalakuda DEO distributed prizes to the winners

## Winners list Painting Competition

LP Section	UP Section	HS section	HSS Section
Vijaya Bharathy LPS Kaipamangalam	E S Reshja, VHSS Karalam	Mithravinda PR, St Donbosco Girls HighSchool Kodakara	Amit Krishna G , St Thomas HSS Thope Thrissur

### Quiz Competition

UP Section	HS section	HSS Section
Sreehari PN. HS Anthikkad	Abhinav Jubin E, SNGHSS Karamuck	Alna Maria George, GMBHSS Wadakkanchery



## 9. PALAKKAD DISTRICT

National Green Corps Palakkad organized two thematic competitions conducted.

1. Environmental Quiz competitions for UP, High School and Higher Secondary students.
2. Water Colour painting competitions for LP, UP, High School and Higher Secondary students.



Participation for UP and High School was satisfactory but the participation from Higher secondary was not satisfactory compared other category students. Programs conducted at Moens higher Secondary School on 26.12.2024 and at Moens High School on 11.1.2025 due to lack of participation for LP and Higher secondary sections. The Environmental Quiz was led by the notable environmental lyricist Sri C.Rajajopal.

The inauguration was made by the Lyricist Sri C.Rajajopal



Questions Related to Forest, Wildlife, Endangered species, Medicinal plants and some National and International important days and information. Competition conducted by giving questions to all the competitors in the hall at one set. It was evaluated by the Aashrayam volunteers for each questions at the same time. As tie came on to select the participants from High school section on Quiz, it was overcome by the Judges.



The theme for poster making competitions was focusing the “Co-existence of humans and wildlife”. The judgement was made by the three most renowned judges in painting artists of Palakkad district. Painting competition was Judged by the well-known Artists such as Jhonson and lissy. Team



Winners from Upper primary category and High school category done separately. All the competitors and the winners were given Certificates and trophies by Smt. P,Sunija, Deputy Director of Education, Palakkad district. .





The first prize winners of Water colour competitions from UP, HS and HSS, Quiz from UP and HSS participated in the state level coemptions organized by the Kerala state council for science technology and environment.



## 10. MALAPPURAM DISTRICT

The National Green Corps (NGC) Malappuram, in collaboration with the Kerala State Council for Science, Technology, and Environment (KCSTE) and the Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India, successfully organized the District Level Thematic Competitions as part of the Environment Education Programme 2024-25.

The competitions were held on November 30, 2024, at Govt. College Malappuram, followed by an Award Ceremony on February 10, 2025, at the Malappuram District Collector's Chamber. Both events were well-attended and marked by enthusiastic participation from students, educators, and environmentalists' teachers and parents.

The programme was inaugurated by Shri Karad Abdurahman President of Malappuram Block Panchayat, inaugurated the program. The function began with a Welcome Address by Abdurahman A, followed by a Presidential Address by Hamidali O, the District Coordinator of NGC Malappuram.

Awareness Classes were conducted by Shri Moideen Kutty (NSS Program Coordinator, Govt. College Malappuram) and Dr. Pramod Irumpuzhi along with Sabir P (NGC Project Coordinator), Abdurahman, and Chandran MP (Education District Coordinators). These sessions focused on key environmental issues and the role of youth in fostering sustainable practices.

The Quiz and Painting Competitions were held in three categories: Upper Primary (UP), High School (HS), and Higher Secondary School (HSS). The competitions witnessed active participation from students across the district, showcasing their knowledge and creativity on environmental themes.



## Quiz Competition Results

The winners of the quiz competitions were as follows:

UP Section	HS Section	HSS Section
1. Athmika, GMUPS Tirur 2. K. Manha, GMHSS Calicut University Campus 3. Mayookha N.P, AUPS Chembrassery	1. Fathima Ansha.P Ma'din Public School Melmuri 2. Fathima Rifa PPMHSS Kottukkara 3. Nandana, IUHSS Parappur	1. Hebban SOHSS Areekode 2. Anna Vadeni MSP HSS Malappuram 3. Priyaranjan. VS GHSS Pulamanthole

### *Award Ceremony (February 10, 2025)*

The Award Ceremony was held at the Malappuram District Collector's Chamber to honor the winners of the thematic competitions. The event began with a Welcome Speech by Hamidali O, District Coordinator of NGC Malappuram. The ceremony was inaugurated by Shri VR Vinod IAS, the District Collector of Malappuram, who emphasized the importance of environmental education and youth engagement in sustainability initiatives.

The Chief Guest, Shri Midhun Mohan IFS, delivered an inspiring address, highlighting the role of students in addressing global environmental challenges. The winners of the quiz and painting competitions were felicitated with awards and certificates, recognizing their outstanding performance and dedication.



## 11. KOZHIKODE DISTRICT

EEP Kerala under DIMC Kozhikode organised Painting competition for LP, UP, High School and Higher Secondary students At – GTTI (Men) UP School, Mananchira on 02.01.2025 and Quiz for UP, HS and HSS students of Kozhikode district at GVHSS Cheruvannur on 10.01.2025. 135 students participated in the programme.



## Painting Competition – GTTI (Men) UP School, Mananchira–02/01/2025

District level painting competition for LP, UP, HS and HSS was conducted at GTTI (Men) UP School, Mananchira on 02 January 2025. The topic for the painting was “Environment and life”. Pencil, Crayons and Water Color mediums were allowed. Drawing sheets were provided by the organisers. M.A. Johnson, Member, DIMC, NGC Kozhikode inaugurated the competition. P. Sidharthan, District Co-ordinator, NGC, Kozhikode welcomed the gathering and Ramesh Babu P., Member, DIMC, Kozhikode expressed vote of thanks.

As mentioned above the registrations restricted to those who won school level competitions. Many first prize winners from 80 schools were registered via Google Form. But due to school model exams and exams in Madrassas many students were not able to participate in the district level competition Still 95 students have participated in the competition (LP – 36, UP – 38, HS – 18 and HSS – 3). But it ensures that the students who have the potential have been participated in the competition and hence all students draw very good paintings.

Roney Devassya, renowned artist & Asst. Professor, Animation & Visual Effects, St. Joseph’s College Devagiri (Autonomous), Kozhikode was the main evaluator of the paintings. Anusree VM, Sastra Foundation and Akhil Raj M, Kannanchery were the remaining evaluators.



### Painting Competition

LP Section	UP Section	HS Section	HSS Section
1. Akshara P.P, Presentation HSS, Chevayur 2. Krithik E, MSS Public School, Mavilikkadavu 3. Rishidev P.J, St. Thomas UP School, Koorachundu	1. Muhammed Adhil P.P, St. Joseph's Boy's HSS 2. Neelambari C, Presentation HSS, Chevayur 3. Mithravindha K.P, GUPS Padinhattumuri	1. Athul Krishna VV Kendriya Vidyalaya No. 2 2. Hamdha Fathima P, Farook Higher Secondary School 3. Aswin Krishna P.K, RKM HSS	1. Amanyam M, Presentation HSS, Chevayur

### Quiz Competition- GVHSS Cheruvannur-10/01/2025

After school level competitions, a total of 55 students from 38 schools were registered via Google Form for district level quiz competition. Out of this 40 students participated in the district level competition. A preliminary round was conducted among these students to filter students for the first three positions.

Mithun Venugopal, Research Scholar, KSCSTE-MBGIPS, Kozhikode was the quiz master. He conducted the quiz competition in the audio visual room with many rounds.

### Quiz Competition

UP Section	HS Section	HSS Section
1. Azil Muhammed, Azad Memorial UPS, Kumaranallur	1. Yadhu Krishna. S, GHSS, Kokkallur 2. Nehal Dev.	1. Amrutha. K, GVHSS, Cheruvannur 2. Prayag. S Madhu,



2. Aleef Zaman Hashim. C, St. Thomas UPS. Koorachund 3. Aaradhya CK, St. Francis HSS, Cheruvannur	KFHS S Farook College 2. Isha Ubaid, St. FrancisHSS, Cheruvannur 3. Tabriz Hussain. P, Farook College HSS 4. Vedika CK, TSGVHSS, Payyoli	GHSS, Kunduparamba 2. Harigovind K, GVHSS, Cheruvannur 3. Neha K, GHSS, Kunduparamba, 3. Ayisha Fidha K, GVHSS Cheruvannur
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### ***19/01/2025 – Prize Distribution – Shikshak Sadan, Kozhikode***

The prize distribution ceremony was conducted in a separate function held Shikshak Sadan, Kozhikode on 19 January 2025.

The prizes, mementos and certificates were distributed by M.A. Johnson, Environmentalist and Member, DIMC, NGC Kozhikode. Resource persons of the different EEP programmes in the district were awarded with certificates in the function. Mithun Venugopal, Pooja Pushkaran, Satheesan K., Sreelekha P.C. and Sugamya P were awarded certificates and mementos. P. Sidharthan (District Co-ordinator, NGC) and Ramesh Babu P. (Member, DIMC Kozhikode) were also present in the occasion.

Certificates to all participants in both competitions were also distributed. Certificates to the students those who won first three prizes in school level competition were also awarded.

## **12. WAYANAD DISTRICT**

EEP Kerala under DIMC Wayanad organised under the auspices of the MOEF& CC, Kerala State Science and Technology Environment Council and National Green Corpse Wayanad district, organised the thematic competition as part of the Environmental education programme.

Painting competition for LP, UP, High School and Higher Secondary students was held at HIM AUP School, Kalpetta on 21.12.2024 and Quiz for UP, HS and HSS students of Wayanad district at GLPS Kalpetta on 11.01.2025. 135 students participated in the programme.

### **Winners list**

#### **Painting Competition**

<b>L.P Section</b>	<b>U.P. Section</b>	<b>HS Section</b>	<b>HSS Section</b>
1. Ivan Shajeer, Hill Blue School 2. Andriya Susan, St Marys AUPS Chingeri 3. Anika Satheesan WOLPSParikunnu	1. Afnan K, GHSS Panankandy 2. Ayisha Afreen K.S, GHSS Panamaram 3. Aljin Vinod, GHSS Beenachi	1. Devak PS, GHSS Beenachi 2. Saranya CV, GVHSS Kalpetta 3. V. Banu, GHSS Mananthavady	1. Ardra Jeevan, GHSS Kakkavayal 2. Nijiya Fathima, SJHSS Kallody 3. Lakshmi Chandana, Sree Narayana HSS, Puthady

#### **Quiz competition**

<b>U.P Section</b> 1. Dilnath J, Valad HSS 2.Rthvik Anand, GHSS Panankandy 3.Ishaan Jugnu, IMUPS Kalpetta	<b>HS Section.</b> 1.Ujeal Krishnan GHSS Padinjarethara 2.Abhinav R.K MTDMHSS Thondarnad 3.Azim Ishan A.S GHSS Perikallur	<b>HSS Section</b> 1. Anusree R.S, GHSS meenangady 2. Mohammed Anzil GHSS Thariyodu 3. Lubna KK GHSS Anappara
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### 13. KANNUR DISTRICT

As a part of the Thematic Competition programme Kannur district organized a Quiz and Painting competition for, LP, UP, HS, and HSS section students. Through DDE, DEO and AEO passed the message of competition to all schools in Kannur district. Email and WhatsApp messages are used for this. Prepared Google for each competition and mailed it to all schools. Through the Google form, the registration process started on 19th December 2024. 209 students from 147 schools participated in the programme. The function was on 5th January 2025 at TTI Kannur 10 am to 1 pm. 208 students from 147 schools participated in the programme.

#### Quiz Competition

<b>UP Section</b> 1. Krishnaveni S Prasanth, Kayaralam AUP School 2. Karthik. P, Radhakrishna AUP School 3. Thejaswini R, IMNSGHSS Mayyil	<b>HS Section</b> 1. Sadhika Rethnesh, St Teresa's AIHSS Kannur 2. Anasya T K, Azhikode HSS 3. Thejasi S B, EKNS GHSS Vengad	<b>HSS Section</b> 1. Devkishan C, RGMHSS Mokeri 2. Amreen Zara C K, Deenul Islam Sabha Girls HSS
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#### Painting Competition

<b>LP Section</b> 1. Vedh Theerth Binesh, Sanjos Metropolitan School 2. Naithika Santhosh, Muttanur U P School 3. Aanliya Reni, Cherumavilayi U P school	<b>UP Section</b> 1. Sreehari P R , Kadachira H S S 2. Fathima ziya P V, Pinarayi Ganapathi Vilasam BUPS 3. Haya fathima S.V, Bharathiya Vidya Bhavan	<b>HS Section</b> 1. Bhagyasree Rajesh, Ursuline Senior S School 2. Ashalakshmi M.C, Mambaram HSS 3. Abhinav M R, GBHSS Cherukunnu	<b>HSS Section</b> 1. Sziyan K Roshan, Rajeev gandhi M HSS
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The prize distribution and congratulation function of the quiz competition was conducted same day at 1 pm. Participants' certificates were also distributed at the same venue. Prize distribution of the painting competition is going to be conducted on 27th March at Parishad Bhavan Kannur. The books are valued at Rs sixteen thousand already been bought for prizes.



## 14. KASARGOD DISTRICT

EEP Kerala under DIMC Kasargod organised Quiz and painting competition for UP, High School and Higher Secondary students of Kasargod district at CKNS GHSS Pilicode 11.01.2025. 175 students participated in the programme.

The programme was inaugurated by Shri Suresh K, Headmaster, CKNS GHSS Pilicode. District Coordinator T.M. Susmitha welcomed the gathering. Smt. Thulasi NGC school coordinator presided over the function. Shri P.V Madhusoodhanan felicitated the function and TV Hariharan gave of thanks.

### List of winners

#### Quiz Competition

LP Section	UP Section	HS Section	HSS Section
1. Visweswara Dev GHS Thachangad	1. Hridya KM, MPS GVHSS Bellikoth	1.K.P.Poojalaekshmi, SATHSS Manjeswar	1. Agrima TV, GHSS Udinur
2. Sreena P Nair, GUPS Pudukkai	2. Ashwin Raj K, Rajas HSS Nileswaram	2. Theertha Prakash, CKNS GHSS Pilicode	2. Krishnendu T.P, CKNS GHSS Pilicode
3. Suryanarayanan, GLPS Kottenchery	3. Sreelekshmi K, RHSS Nilewaram	3. Sreya Subin, GCS GHSS Elambachi	3. Veda Satheesh, GHSS Udinur

#### Painting Competition

LP Section	UP Section	HS Section	HSS Section
1. Ishana S Pal, GLPS Uduma	1. Diya A, GUPS Pullur	1. Devananda K, GFHSS Bekal	1. Vasudev P, GHSS Udinur
2. Kalidasan T.V , GHSS Chayoth	2. Akshay K.V, GHSS Chayoth	2. Nivedya Ajeesh, CKNS GHSS Pilicode	2. Pranavya M, GHSS Chayoth
3. Anptha Rajan, GUPS Pullur	3. Vaiga V, GHSS Pakkam	3. Sudharsh M.K, GHSS Parappa	3. Vishnu M, CKNS GHSS Pilicode





## STATE LEVEL PAINTING & QUIZ COMPETITION

Kerala Council for Science, Technology and Environment as part of Environmental Education Programme (EEP Kerala) organized the state level quiz and painting competition on 25th January 2025 at Mar Gregarious Renewal Centre, Thiruvananthapuram. The district level competition was organized in 14 districts under the leadership of the EEP District Organizing Committee during the months of December and January and the first-place winners of LP, UP, HS, HSS of 14 districts competed at the state level. A total of 150 participants including 96 students, teachers, district coordinators and officials attended the programme.

Dr. K.P. Sudheer, Executive Vice President, Kerala Council for Science, Technology and Environment presented the prizes to the state level winners. Kerala Council for Science, Technology and Environment Senior Principal Scientists Dr. Anilkumar C, Dr. P, Harinarayanan, University College Retd. Prof. E. Kunhikrishnan Doordarshan Kendra Retired Graphic Designer Shri S. R. Bhadrar, EEP Project Officer Dr. Anuja M.M. and others spoke on the occasion

### Winners Quiz:

#### UP section

1<sup>st</sup> prize: Krishnaveni S Prasanth, Kayaralam AUP School, Kannur

2<sup>nd</sup> prize: Sreehari P.N, HS Anthikkad, Thrissur

3<sup>rd</sup> prize: Dilnath J, GHSS Valad, Wayanad

#### HS section

1<sup>st</sup> prize: Abhinav Jubin E, SNGHSS Karamuck, Thrissur

2<sup>nd</sup> prize: K.P.Poojalekshmi, SATHS Manjeswar, Kasargod

3<sup>rd</sup> prize: Devadarsh SGHSS Kakkazham, Alappuzha

#### HSS section

1<sup>st</sup> prize: Asiya Ajeeb, GHSS Thrikkodithanam, Kottayam

2<sup>nd</sup> prize: Devkishan C, RGMHSS Mokeri, Kannur

3<sup>rd</sup> prize: Vedalekshmi. S, GMHSS Ambalappuzha, Alappuzha

## **Winners Painting**

### **LP section**

1<sup>st</sup> prize: Jennah Fathima C, Guidance Public School, Malappuram

2<sup>nd</sup> prize: Devyan KG, Vijayabarathy LPS Kaipamangalam, Thrissur

3<sup>rd</sup> prize: Vedh Theerth Binesh, Sanjos Metropolitan School, Kannur

### **UP section**

1<sup>st</sup> prize: Navaneeth Krishna S, Christ Central School Thiruvalla, Pathanamthitta

2<sup>nd</sup> prize: Sreehari P R, Kadachira HSS, Kannur

3<sup>rd</sup> prize: Muhammed Adhil P.P, St. Joseph's Boy's Higher Secondary School, Kozhikode

### **HS section**

1<sup>st</sup> prize: Mithravinda P.R, St. Donbosco Girls High school Kodakara, Thrissur

2<sup>nd</sup> prize: Sreelakshmi Jayaram, SHGHS, Bharananganam, Kottayam

3<sup>rd</sup> prize: Afra Zehna, GHSS Karuvarakundu, Malappuram

### **HSS section**

1<sup>st</sup> prize: Sandra. S, PMGHSS, Palakkad, Palakkad

2<sup>nd</sup> prize: Vasudev P, GHSS Udinur, Kasaragod

3<sup>rd</sup> prize: Alita Reji, St. Augustines GHSS Muvattupuzha, Ernakulam



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## REPORT THEMATIC CAMPAIGNS

**LiFE Theme: Water Conservation:** Water Resources are essential for every development activity, not only in terms of available quantity but also in terms of quality. Population growth and urbanization are increasing, the number of users and uses of water, making water resources scarcer and more polluted. Changes in rainfall patterns threaten to worsen these effects in many areas. Water scarcity, due to physical lack or pollution, has become one of the most pressing issues globally, a matter of human, and economic and environmental insecurity. Wastewater, whose value had not been appreciated until recently, is increasingly recognized as a potential 'new' source of clean water for potable Water bodies, such as lakes, rivers, and oceans, are essential for the survival of all living beings on Earth.

However, due to increasing human activities, these water bodies are under threat, which has led to the need for conservation. Water conservation involves the protection, management, and restoration of water resources to ensure their sustainability for future generations.

As part of Environment Education Program “Thematic Campaign 2024” runs by Kerala State Council for Science Technology and Environment, Govt. of Kerala Ministry of Environment Forest And Climate Change, Govt. of India cleanup activates organised by National Green Corps of various districts at different coastal areas, rivers and ponds during the month of January-March 2025.

District Implementation and Monitoring Committees of various districts selected the major River banks, Beaches and Public ponds and were cleaned as part of this cleaning drive. About a thousand students from various NGC schools participated in this cleaning up drive and the drive witnessed voluntary participation of students, public representatives, officials, civil society organizations, clubs, etc.

The all team was equipped with all the necessary cleaning tools like gloves, rakes and sacks. The plastic wastes, water weeds and other non bio degradable solid wastes accumulated in the water bodies were collected and handed over to different waste management agencies. This program has also resulted in imparting to the students the very important message of serving and protecting the society and nature beyond the text book studies.

In addition, for promoting values of cleanliness, discipline and respect to our nature, we also organized awareness programme through public meeting, rallies and awareness classes to students. Through this we give awareness about importance of maintaining the water bodies clean.



## Details of Thematic Campaign Organised in Districts

### 1. Trivandrum District

Sl No	Educational District	Venue	Date	Activity
1.	Attingal	Government High School Avanavancherry DEIED students from Rose Dale	12.02.2025	A wetland cleaning drive was also carried out to actively contribute to the preservation of local wetland areas. A total of 82 students participated in these activities followed by a seminar, rally
2.	Kilimannoor	DarsanaVvattom UPS, Kilimanoor	19.02.2025	The event kicked off with a rally followed by a seminar was held at Darsanavattom UPS. Students also cleaned a local pond near the school.
3.	Nedumangad	GGHSS Nedumangad Town UPS Nedumangad	2.02.2025	A rally was organised for spreading awareness about environmental conservation. Following the rally, a cleaning programme was organized at the Kulavikkonam Pond, a key natural resource in the area. The programme saw the involvement of 80 students.
4.	Palode	SKVHSS Govt. UPS Paluvaly	27.02.2025	The activities included a rally, cleaning program, and seminar on wetland conservation. The students and teachers took part in cleaning the Vamanapuram riverside
5.	Varkala	GMHSS Varkala	20.02.2025	A seminar was organized with students from SPC, NCC, and the Eco Club. Followed by a rally, and beach cleaning program was carried out at Varkala Beach. Both students and teachers actively participated in collecting plastic waste from the beach
6.	Balaramapuram	Model HSS Venganoor, Nellivila LPS HS for Girls Balaramapuram	21.02.2025 22.02.2025	Seminar on the conservation of wetlands was organized. A rally and beach cleaning programmes were organized at Kovalam Beach
7.	Kattakada	Ayyankali smarka GUPS	24.02.2025	Cleaning Activities at Ooruttambalm Market, Seminar at Ayyankalismarka GUPS, Cleaning of Madavilakom pond.
8.	Neyyattinkara	Govt V&HSS Poovar Thunchath Ezhuthachan TTI Marayamuttom Govt TTI Ooruttukala	20.02.2025	A beach cleaning drive was organized, involving local communities, students, and several environmental organizations.followed by public place cleaning and rally.
9.	Parassala	GMUPS Kulathoor	25.02.2025	Beach cleaning programme was organized at Pozhikkara, where the Neyyar River meets the Arabian SeaA total of 60 students participated in the

				cleaning programme and other activities.
10.	Thiruvananthapuram North	Government Fort UP School Valiyathura UP School, GUPS Ambalathara	20.02.2025	Seminar, Beach cleaning and rally at Shankumugham Beach, Thiruvananthapuram
11.	Thiruvananthapuram South	SPTPM GUPS Kuravankonam GUPS Virakupurakkylla, St.Goretty's HS Nalanchira Sarvodaya Vidyalaya Nalanchira.	20.02.2025	Seminar, Beach cleaning and rally at Shankumugham Beach, Thiruvananthapuram
12.	Kaniyapuram	GHSS Kaniyapuram	27.02.2025	A rally was organized to raise awareness about environmental conservation, followed by a cleaning drive at a local wetland. A total of 98 students, along with 5 teachers, actively participated in the event.

## 2. Kollam District

Sl No	Educational District	Venue	Date	Activity
13.	Karunagappally	GVHSS Cheriazheekal	08.02.2025	GVHSS Cheriazheekal – Premises of Kasi Viswanath Temple & Road
14.	Chadayamangalam	MSUPS Manjappara	11.02.2025	MSUPS Manjappara – Cleaning the road side and junction
15.	Kollam	Govt SNDP UPS Pattathanam	13.02.2025	Govt SNDP UPS Pattathanam – Wet land protection & cleaning
16.	Punalur	Edamon UPS	13.02.2025	Edamon UPS – Cleaning the Weighting Shed and Premises
17.	Sasthamkotta	Holy Trinity AIS Thevalakkara	19.02.2025	Holy Trinity AIS Thevalakkara – Cleaning Perumpillil Junction
18.	Chathanloor	Mayyanad HSS	20.02.2025	Mayyanad HSS – Cleaning Mayyanad Town
19.	Kundara	KKUPS Muttakkavu	27.02.2025	KKUPS Muttakkavu – Cleaning near the pond and premises
20.	Kulakkada	GUPS Maloor	03.03.2025	GUPS Maloor – Cleaning the surroundings of hospital
21.	Anchal	GUPS Kulathupuzha	05.03.2025	GUPS Kulathupuzha – Cleaning the Police Station & premises
22.	Chavara	GUPS Kizhakkekara	05.03.2025	GUPS Kizhakkekara – Cleaning the Kizhakkekara Town
23.	Kottarakkara	MNUPS Nedumpaikulam	06.03.2025	MNUPS Nedumpaikulam – Cleaning Hospital & premises
24.	Veliyam	LPGS Veliyam	18.03.2025	LPGS Veliyam – Cleaning the market & surroundings

## 3. Pathanamthitta District

Sl No	Educational District	Venue	Date	Activity
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1.	Thiruvalla	SNVSHS Thirumoolapuram	27-03-2025	An awareness class on the significance of clean and green environment was conducted. Children enthusiastically attended the class and interacted very much. They have realized the importance of cleanliness. As part of the activity they have cleaned the school premise and planted seedlings. Before they wind up they took oath on to support and encourage activities related with cleanliness and creating greenery.
2.	Pandalam	G. U. P.S. Mangaram	27-02-2025	Campaign for a clean green environment. Awareness class on waste management was conducted sharing the experiences they have in waste management. As part of the activity a dry leaf composter was made in the school campus. Children declared that they will not burn dry leaves and garbage instead they will use the composter to convert it to compost. They also planted seedlings in the school compound.
3.	Mallappally	N. S. S. H. S. S Kunnamthanam	27-03-2025	Campaign for a clean green environment. Awareness class on role of students in keeping the surroundings clean and green. As part of the activity they have nurtured the plants and trees in the school campus. They have weeded out the organic vegetable garden and the flower garden. The students have segregated the waste before they dispose it
4.	Adoor	E. V. H. S. S. Elamannoor	28-02-2025	Pond rejuvenation. Awareness class on the importance of water conservation was conducted. The children realized the importance of rain water harvesting. They also learned the different methods of rain water harvesting.
5.	Pathanamthitta	N. S.S.H.S.S Thattayil	25-03-2025	Campaign for a clean green environment - sub-topic:-Organic vegetable garden. Awareness class on importance of organic farming and compost manure. Children have planted different types of vegetable seedlings in grow bags filled with compost manure. They have learned how to plant and nurture vegetable seedlings. They also have learned how to make compost manure from organic waste.
6.	Pullad	National H.S. Vallamkulam	26-03-2025	Campaign for a clean green environment. Awareness class on the importance of human intervention in waste management. Children shared their experiences and understood their role in keeping the surroundings clean and green. Along with cleaning the



				surroundings they have planted seedlings also. They discussed the importance of trees and in balancing the micro climate
7.	Ranni	Govt. U. P. S. Ranni Vaikkam	07-03-2025	Waste management-Dry leaf composter. Awareness class on appropriate management of garbage. As part of the activity the children have made a dry leaf composter and learned how to manage it properly. They have enjoyed the activity very much as it was a hands on activity. They also have discussed the importance of hygiene in health.
8.	Vennikkulam	N.S. S H. S Thadiyoor	26-03-2025	Significance of waste management for a clean green environment. Awareness class conducted on classification segregation and proper disposal of waste. An activity on cleaning and disposal of waste was done. Children realized the importance of segregation of waste before disposing. They also planted seedlings as part of enhancing greenery
9.	Konni	National U. P. S Vazhamuttom East	07-03-2025	Recycling and upcycling of old used clothes. Awareness class on the importance of recycling in sustainable life style. As part of the activity children have practically converted old clothes into usable items. They repurposed the old items which were otherwise thrown out as waste. It was a very exciting activity for the children as they have designed cut and stitched themselves. They also have learned how to use a sewing machine.
10.	Kozhencherry	G. U. P. S. Kozhencherry	03-03-2025	Clean green environment. Awareness class on how to keep the school surroundings litter free. It was almost like a practical workshop. They have collected the litters and segregated them into degradable and non-degradable before disposal. They also made dry leaf composter in the school compound.
11.	Aranmula	N. M. U. P. S Edayaranmula	06-03-2025	Campaign for a clean and green environment. Awareness class on how to keep your surroundings clean and green. The children made play cards demanding the responsibility of people – to keep the surroundings clean and to manage the waste judiciously. They prepared slogans and read it out. As part of the activity they have collected garbage from the surroundings and disposed it in the waste bin accordingly.

## 12. Alappuzha District

Sl	Educational	Venue	Date	Activity
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No	District			
1.	Thuravoor	Govt. UPS Kadakkarapally	28/2/25	Ottamassery Beach cleaning Awareness Rally Public meeting etc. Fifty (15) eco club students participated
2.	Cherthala	Govt. Girls HSS Cherthala	20/2/25	Public place cleaning and awareness campaigns including rally's & class Vegetable cultivation Waste management programmes etc. Forty six (46) eco club students participated.
3.	Thalavady	St. Alosious HSS Edathuva	11/3/25	Public place and Riverside cleaning Awareness campaigns including rally's & Workshop. Fifty (50) eco club students participated
4.	Mancompu	St Mary's HSS Champakulam	20/2/25	Beat Platic- Public place cleaning (Bus Stand) River side cleaning and awareness campaigns including rally's & workshop Rice field Visit etc. One Hundred and Eighteen (118) eco club students participated.
5.	Veliyanad	SNDP UPS Cherukara	27/3/25	Public place cleaning and awareness campaigns including rally's & class Thirty (30) eco club students participated
6.	Kayamkulam	Govt. UPS Madampil	14/3/25	Pond & public place cleaning Vegetable Plantation and maintainance Rally & Awareness class. Twenty Five (25) eco club students participated
7.	Mavelikara	Govt. UPS Anjilipra	07/3/25	Public road and wetland cleaning Maintenance of Vegetable garden and Rice field Awareness campaigns including rally's & class . Twenty (20) eco club students participated
8.	Chenganoor	Govt. UPS Chenganoor	11/3/25	Public place cleaning Rally Awareness class etc. Forty Seven (47) eco club students participated
9.	Haripad	Govt. UPS Vellamkulangara	07/3/25 to 14/3/25	Wetland cleaning and awareness campaigns including rally's & class Sacrad groove cleaning Green park preparation Plantation etc. Twenty (20) eco club students participated
10.	Alappuzha	TD HSS Alappuzha	19/2/25 to 21/2/25	Alappuzha Beach cleaning Rally & awareness campaigns Seminar etc. Forty (40) eco club students participated

### 13. Kottayam District

Sl No	Educational District	School	Date	Activity
1.	Karukachal	Subash Memorial. UPS, Champakkara	13.12.2024	Cleaning, Awareness Class & Rally
2.	Erattupetta-Poonjar	Sreebhadra Vidya Nikethan, Vilakkumadam	06.01.2025	Cleaning, Awareness Class & Rally
3.	Kottayam W	Vadakkekara PNNMLP School	07.01.2025	Cleaning, Awareness Class & Rally
4.	Ramapuram	Ponganathanam UPS	10.01.2025	Cleaning, Awareness Class & Rally

5.	Changanassery	CS UPS, Madappally	14.01.2025	Cleaning, Awareness Class & Rally
6.	Ettumanoor	GUPS, Cheeramkulam	16.01.2025	Cleaning, Awareness Class & Rally
7.	Kanjirappally	Sanathanam UPS	28.01.2025	Cleaning, Awareness Class & Rally
8.	Vaikom	Akkarapadam GUPS	05.02.2025	Cleaning, Awareness Class & Rally
9.	Pampady	St. Mary's UPS, Meenadom	10.02.2025	Cleaning, Awareness Class & Rally
10.	Kozhuvanal	NSSUPS, Thrikothamangalam	21.02.2025	Cleaning, Awareness Class & Rally
11.	Kottayam (E)	Vadakkekkara UPS	05.03.2025	Cleaning, Awareness Class & Rally
12.	Pala	B. V. M, Kidangoor	20.03.2025	Cleaning, Awareness Class & Rally
13.	Kuravilangad	GUPS, Kalathoor	20.03.2025	Cleaning, Awareness Class & Rally

#### 14. Idukki District

Sl No	Educational District	Venue	Date	Activity
1.	Kattappana	M M H S Nariyampara	10.02.2025	175 participants including teachers and students of M M H S Nariyampara have sincerely cooperated with our campaign. Environment rally with slogans, Free of plastic township maintenance and pond cleaning activity.
2.	Nedumkandam	G HSS Kallar Pattam colony	12.02.2025	Organised four programs, environment rally, orientation program, town cleaning and Pampadumpara gram panchayath Health Center cleaning and beautification. Hundred plus students and five teachers took part in our thematic campaign.
3.	Peerumedu	Trinity Garden H S Vandiperiyar	13.02.2025	One unique attraction was the pLacard making and demo contest. 100 plus placard demonstrators along with other 100 plus students and nine teachers were there in the wonderful rally. KK Road cleaning was one of the fascinating steps of the campaign.
4.	Adimaly	Panikkamkudi Government H S S	18.02.2025	Town cleaning including waiting shed of the junction. The plastic waste collected by our members handed over to the "Haritha Karma Sena" of the panchayath.
5.	Munnar	LF GH S Munnar		LF GH S Munnar is situated in the most fascinated and wonderful slopes of Eravikulam National Park. The large group of volunteers went to the open stadium managed by Tata Tea company and cleaned that stadium. After this eco club students were directed to collect plastic waste in Nailathannipuzha near the school.
6.	Thodupuzha	Kaliyar SM HSS		Environment awareness activity class



		S N H S S Vannapuram		conducted by Mr. M. R Nasar - Chairman of Kerala Forest And Tourism Development Council (KFTDC) . There was a beautiful and energetic Rally led by Principal , H M , teachers and about 300 students. After the rally all members went to the junction carrying wastebins and collected all the plastic waste from Thodupuzha – kaLiya r main road.
7.	Arakkulam	S G H S S Vazhathoppu		Eco club and other students were got a clear cut idea of global warming and climatic changes. There were environment rally also. A big pond was their half a kilometer away from the school premises has been cleaned by the eco cLub students under the guidance of teachers.

#### 8. Ernakulam District

Sl No	Educational District	Venue	Date	Topic
1	Aluva	MRS Aluva	24/03/2025	Cleaning campaigns and awareness classes on environmental pollution rallies public place cleaning sessions etc. were conducted. The students enthusiastically participated in all of the sessions organized.
2.	Ernakulam	VHSS Vadavukod	28/03/2025	Cleaning campaigns and awareness classes on environmental pollution rallies public place cleaning sessions etc. were conducted. The students enthusiastically participated in all of the sessions organized.
3.	Tripunithura	VHSS Irumpanam	11/02/2025	Cleaning campaigns and awareness classes on environmental pollution rallies public place cleaning sessions etc. were conducted. The students enthusiastically participated in all of the sessions organized.
4.	Aluva	Govt. LPS. Kadunagalloor	27/03/2025	Cleaning campaigns and awareness classes on environmental pollution rallies public place cleaning sessions etc. were conducted. The students enthusiastically participated in all of the sessions organized.
5.	Ernakulam	VHSS Panangad	27/2/2025	Cleaning campaigns and awareness classes on environmental pollution rallies public place cleaning sessions etc. were conducted. The students enthusiastically participated in all of the sessions organized.

#### 9. Palakkad District

Sl No	Educational District	Venue	Date	Topic
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1	Palakkad	Mankara, Bharathapuzha	01.02.2025	River Study Mankara Bharathapuzha 44 Participants. The study and awareness rally conducted in river Bharathapuzha where sandmining, pollution and riverbank erosion is more
2.	Mannarkkad and Ottappalam	LRS compound Thiruvzhamkunnu	07.02.2025	Bird Watching LRS Thiruvzhamkunnu 87 Participants
3.	Palakkad	Nelliyampathi	08.02.2025	Brushwood Checkdam construction , Plastic & Forest Fire Awareness Rally Plastic Removal Nelliyampathi Forest-65 Participants
4.	Palakkad	Samarpitham trust hall	08.02.2025	Seminar on Forest and Wildlife Conservation Samarpitham trust hall 65 Participants
5.	Palakkad	Bharathappuzha in Kava, Malampuzha	17.03.2025	One day River Walk in first order river of River Bharathappuzha in Kava, Malampuzha in association with social forestry division, Palakkad, 46 students and teachers from Palakkad educational district participated
6.	Palakkad	Dhoni Ecotourism centre.	22.03.2025	Dhoni Malampuzha 125 Participants

#### 10. Thrissur District

Sl No	Educational District	Venue	Date	Topic
1.	Mala	NILPS Kannikulankara	13-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
2.	Irinjalakuda	St. Sebastian Anglo Indian UP School Padiyoor	13-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
3.	Kodungallur	SN KUPS Vemballur	19-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
4.	Chalakudy	St.George LPS Pariyaram	28-02-2025	Organised Rally, pledges, Cleaning Campaigns in public places
5.	Thrissur East	St. George LPS Makkattukara	05-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
6.	Thrissur West	St.Gemmas UPS Manakkody	07-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
7.	Cherp	St. Therasas LPS Kanimangalam	19-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
8.	Chavakkad	MRRM HSS Chavakkad	21-02-2025	Organised Rally, pledges, Cleaning Campaigns in public places
9.	Mullassery	CKC LPS Pavaratty	24-02-2025	Organised Rally, pledges, Cleaning Campaigns in public places
10.	Wadakkanchery	G HSS Boys Wadakkanchery	01-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places
11.	Kunnamkulam	HCCGUPS Chiralayam	19-03-2025	Organised Rally, pledges, Cleaning Campaigns in public places

11. Malappuram District				
Sl. No	Educational District	Venue	Date of program	Activity
1	Nilampoor	Catholiicate HSS Pothukal	20/2/2025	Rivar cleaning:Chaliyar river. Awareness programme
2	Kizhisseri	GUPS Kadungallur	27/2/2025	Chirappalam thodu cleaning rally awareness class
3	Parappanangadi	AMLPS Pantharangadi	17/2/2025	Kadalundi river side cleaning Rally Awareness class
4	Parappanangadi	PMSALPS Kachadi	19/2/2025	Kadalundi river side cleaning Rally Awareness class
5	Tirur	MDPSUP school Ezhur	24/2/2025	Beach cleaning awareness class rally leaflet distribution
6	Wandoor	AHSS Parel Mampattumoola	20/2/2025	Panampoyil Pond Cleaning Awareness Rally
7	Malappuram	GUPS Pulloor	18/2/2025	Pulloor town -Public place cleaning rally and awareness class
8	Wandoor	K M M AUP School. Cherucode	26/2/2025	Aalicode paara kullam Pond cleaning Awareness Class Raali
9	Vengara	KHMHSS Valakkulam	22/2/2025	Water conservation awareness class
10	Kondoty	AUPS Azhinhilam	19/2/2025	Rally Awareness program Chaliyar River side Cleaning
11	Edappal	A. L. P. S. Athalur	17/3/2025	Bharathapuzha riverside cleaning awareness rally awareness class
13	Malappuram	PKMICHS Pookkottur	18/2/2025	Mini ooty- Public place cleaning and nature awareness
14	Manjeri	GUPS Veemboor	24/2/2025	Cheriyathod cleaning public awareness rally public awareness class
15	Kondotty	AMUP school Puthur pallikkal	15/2/2025	Kadalundi Azhimugam Beach cleaning
16	Tirur	K A U P S Padiyam vettam	28/2/2025	Ponnani river cleaning awareness class awareness rally
17	Melattur	PTMUPS Mannarmala	18/3/2025	Awareness Rally awareness class Vazhiyilethode cleaning programme
18	Parappanangadi	GMLPS Parappanangadi	28/2/2025	Chappappadi Beach cleaning & awareness programs
19	Parappanangadi	AUPS Chiramangalam	18/2/2025	Kettungal thoovalteeram beach - Awareness program cycle rally beach cleaning
20	Malappuram	MUAUP school Panakkad	25/2/2025	Rally Kadalundi river cleaning awareness class
12. Wayanad District				
Sl No	Educational Sub District	Venue	Date	Activity
1.	Vaithiri	GHSS Achoor	27.02.2025	Achoor Pond Cleaning campaign, awareness classes and rally organised. 66 students and teachers participated.
2.	Mananthavady	RCUP Pallikkunu	04.02.2025	Organised awareness class on thematic campaign cleaning and awareness and also organised environment rally and



				children visited the historic Pallikkunnu mosque and cleaned the surroundings
3.	Sulthan Bathery	Mar Baselius AUPS Koliyadi	04.03.2025	Organised awareness rally, Cleaning and collection of plastic waste at Kolayadi Pond and Childrens Park

### 13. Kozhikode District

Sl No	Educational Sub District	Venue	Date	Activity
1	Mukkam	AUP School South Kodyathur	04-02-2025	Paddy Field - Wetland Cleaning
2	Koyilandy	AUPS Manipuram	04-02-2025	Manipuram River Cleaning
3	Melady	BTMHSS Thurayur	05-02-2025	Akalapuzha Cleaning
4	Kozhikode Rural	CIRHSS Mathara	04-02-2025	Pokkunnu Canal Cleaning
5	Feroke	Farook Higher Secondary School	11-02-2025	Beypore Beach Cleaning
6	Mukkam	GHSS Cheruvadi	03-02-2025	Chaliyar River Cleaning
7	Balusseri	GHSS Kakkallur	14-02-2025	Manjappuzha River Cleaning
8	Thamarassery	GMUPS Kaithapoyil	04-02-2025	School Eco Park Cleaning
9	Kozhikode Rural	GMUPS Mavoor	05-02-2025	Palliyol Pond Cleaning
10	Feroke	GUPS Naduvattam	06-12-2025	Gotheeswaram Beach Cleaning
11	Chevayur	GUPS Padinhattumuri	10-02-2025	Pond GUPS Padinhattumuri School Cleaning
12	Kozhikode City	GUPS Panniyankara	05-02-2025	Kothi Beach Cleaning
13	Kozhikode City	GVHSS For Girls Nadakkavu	04-02-2025	Vellayi Beach Cleaning
14	Mukkam	Infant Jesus EMHS Thiruvampady	08-02-2025	Kozhippara Waterfalls Cleaning
15	Melady	Iringath UP School	09-02-2025	Akalapuzha Cleaning
16	Thodannur	Jawahar Navodaya Vidyalaya Kozhikode	07-02-2025	Payyoli Beach Cleaning
17	Perambra	Koothali VHSS	05-02-2025	Kappad Beach Cleaning
18	Mukkam	MAM LP& Up School Vilakkamthode	07-02-2025	Poyilingapuzha Cleaning
19	Kunnamangalam	Markaz HSS Karanthur	05-02-2025	Kozhikode Beach Cleaning
20	Kozhikode City	Markaz International School	17-02-2025	Sarovaram Bio Park Cleaning
21	Chevayur	Mathrubandu Vidyasala AUP School	05-02-2025	Green Valley Kakkodi Cleaning
22	Koduvally	MES Central School Palangad	05-02-2025	Kurumbair Kund Cleaning
23	Thamarassery	MES Fathima Rahim	04-02-2025	Cherupuzha Cleaning

		Central School Kaithapoyil		
24	Thamarassery	Mores College Of Arts And Science	12-02-2025	Chembra River Side Cleaning
25	Perambra	Olive Public School	07-02-2025	Cleaning Pond Near Paithoth Road Perambra
26	Kozhikode City	PM Shri KV No2 Calicut	22-02-2025	Cleaning VK Krishnamenon Smritivanam Mangopark
27	Koyilandy	Poilkave HSS	04-02-2025	Cleaning of Wetland Near Poilkavu
28	Kozhikode City	Prestige Public School	12-02-2025	Butt Road Beach Cleaning
29	Kozhikode City	Providence Girls HSS	12-02-2025	Kozhikode Beach Cleaning
30	Mukkam	PTMHSS. Kodyathur	05-02-2025	Karakkundu Cleaning
31	Kozhikode City	Ramakrishna Mission HSS	22-03-2025	Thiruvichira Meenchanda Cleaning
32	Kozhikode City	Ramakrishna Mission HSS	23-02-2025	Thiruvichira Meenchanda Cleaning
33	Kozhikode City	Ramakrishna Mission HSS	30-03-2025	Thiruvichira Meenchanda Cleaning
34	Kozhikode City	Ramakrishna Mission HSS	31-02-2025	Thiruvichira Meenchanda Cleaning
35	Kunnummal	Sanskrit HS Vattoli	05-02-2025	Pond Cleaning Drive
36	Feroke	St Francis Higher Secondary School	07-02-2025	Kundayithode Canal And Surroundings Cleaning
37	Kozhikode City	St Joseph's Anglo- Indian Ghss	12-02-2025	Kozhikode Beach Cleaning
38	Kunnamangalam	St Joseph's HS Pullurampara	05-02-2025	Ilavanjippuzha Cleaning
39	Kozhikode City	St Josephs Boys HSS Kozhikode	12-02-2025	Kozhikode Beach Cleaning
40	Thamarassery	St Mary's HS Kallanode	05-02-2025	Cleaning of Canal Near School
41	Perambra	St Thomas UPS Koorachund	03-02-2025	Janakikadu River Cleaning
42	Kozhikode Rural	St Xavier's UPS Peruvayal	06-02-2025	Cleaning of Peruvayal Panchayath Pond
43	Nadapuram	Thanakkottur UP School	05-02-2025	Puzhakkalakandi River Cleaning
44	Thamarassery	Wadirahma English School Kodyathur	18-02-2025	Murinjamadu Chaliyar River Cleaning

#### 14. Kannur District

Sl. No	Educational Sub District	Venue	Date	Activity organised
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1.	Kannur South	Munderikkadavu Kannur	01.02.25	Know our wetlands and Birdwatching. Munderikkadavu Bird Sanctuary". 48 students and 7 teachers from 7 schools registered for this programme
2.	Kannur North	Andalur Kadavu Bridge	02.02.25	Andalur Kadavu Palam is a wetland area with a thick Mangrove forest. 8 different kinds of Mangrove trees are seen in this area. The Anjarakkandy River flows by the side of this area. From the Andalur Bridge can see the Western Ghats.
3.	Pappinassery	Chekkupalam Bridge Pinarayi. Thalassery	03.02.2025	Chekkupalam Bridge is situated in the way of Thalassery Mamabaram Road at Pinarayi Village. The Anjarakkandy River flows under this bridge. It is a wetland and Mangrove forest area. 21 students from 7 nearby schools joined the thematic campaign.
4.	Mattannur	Pookottumkavu Mattannur 2	04.02.2025	Pookottum kavu is a Myristica swamps. During this programme students also had done removal of plastic waste. The municipal ward members and health staff have also joined the programme. The total number of participants in this programme was 58 and split into two groups. Two programmes are done on the same day in different locations.
5.	Irikkur	Pachaththuruthu Kart hikapuram 2	05.02.2025	Karthikapuram Pachathuruthu is a small island in the Kuppam River situated in the highland area of Udayagiri Grama Panchayat in the Kannur district. 45 students from 12 nearby schools joined the thematic campaign
6.	Madayi	Thekkumpad Thaliparamba	25.02.2025	Thekkumpad is a small island in Matool Grama Panchayath at Kannur District. It is a lowland area and wetland. 25 students from 3 nearby schools joined the thematic campaign
7.	Kuthuparamba	Palayathuvayal Kannavam	05.03.2025	GUPS Palayathuvayal organised Thematic Campaign at Kannavam Range. The host school is situated in the forest so this area was selected for the campaign. 49 participants from Three schools from town and others from the forest area attended the campaign.
8.	Payyanur	Pothamkandam Payyannur	08.03.2025	Gups Pothamkandam is situated in the remote Kasaragod border village of Perigome Grama Panchayath. Kakkadavu a small tributary of Thejaswini River started here in a laterite hill. The school is on the bank of the Kakkadavu River and is surrounded by laterite hills. 32 Students and teachers from three schools participated in today's programme.



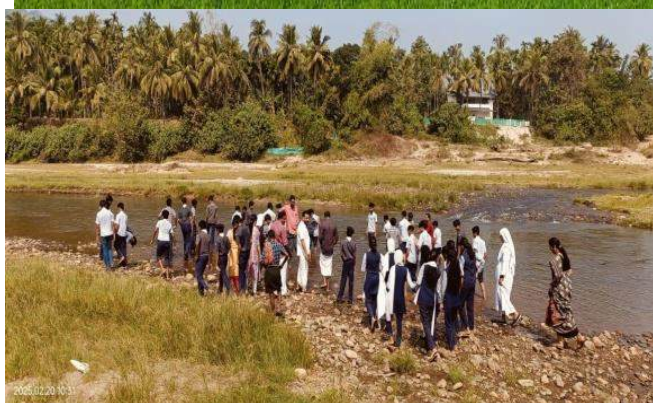
9.	Panoor	Poilur Sacred Grove Panoor Camp 1	09.03.2025	This place is located in the lap of the Western Ghats and Kannavam Reserve forest. The sacred grove is connected with Muthappan Madappura Temple. The paddy field and the coconut estate are around the grove. It is a nice place for bird watching and butterfly watching..
10.	Chokli	Poilur Sacred Grove Panoor Camp 2	12.03.2025	This place is located in the lap of the Western Ghats and Kannavam Reserve forest. The sacred grove is connected with Muthappan Madappura Temple. The paddy field and the coconut estate are around the grove. It is a nice place for bird watching and butterfly watching..
11.	Iritty	Chettiyamparamba Kelakam	12.03.2025	Chettiyamparamba is a remote village and Highland area of Kannur district. Only three schools are in this area and students from these three schools participated in the one-day camp.
12.	Thalassery south	Dharmadam Beach Thalassery	13/3/25	Know our sea and sea shore' Bird watching and beach cleaning. 52 students and 5 teachers from 5 schools attended this campaign. Parents and some local people also joined in the programme. Beach cleaning awareness class and field trip to turtle conservation centre were organised

### 15. Kasargod District

Sl. No	Educational Sub District	Venue	Date	Activity organised
1	Cheruvathur	GLPS Kooleri ALPS Thankayam ALPS Kunnacheri ALPS Koyonkara	02/02/2025 03.02.2025	Quiz, Pledge Rally, awareness class & Field visit to Kuniyan Wetland.
2	Hosdurg	GVHSS Kanhangad GHSS Hosdurg GLPS Padnekkad ACKNSUPS Melangot GHSS Baila East	07.02.2025	Field visit to wetlands, awareness class, Rally, Wetland pledge
3	Bekal	GFHSS Bekai GLPS Uduma BEMPS Bekal	12.02.2025	Beach cleaning at Trikkannad Beach Awareness class on wetland conservation
4	Manjeswar	SDPAUPS Sajankila SPALPS Bayar Avala ALPS bayar	15.02.2025	Awareness class, field visit to wetland and Birding, Photo exhibition & Quiz
5	Kumbla	SMM AUPS Mundithadkka	13.02.2025	Awareness class, wetland visit, visit to surangas, poster exhibition and Quiz
6	Chittarikkal	AUPS Netliyadukkam G HSS Chayoth AUPS Birikkulam GHSS Parappa	27.02.2025, 02.02.2025	Awareness class Rally Wetland pledge & Visit to Kattlppoil pallam.
7	Kasargod	CJHSS Chernnad	06.02.2025	Visit to Chandragiri wetland, awareness class and cleaning of wetland premises.



*Photos of Activities  
Know your Environment*



























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# **ENVIRONMENT EDUCATION PROGRAMME KERALA NATIONAL NATURE CAMPING PROGRAMME**

***Report 2024-25***

***A Programme of***



**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE  
GOVERNMENT OF INDIA**

**Submitted By**



**KERALA STATE COUNCIL FOR SCIENCE,  
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## REPORT OF NATIONAL NATURE CAMPING PROGRAMME

### Introduction:

‘Nurture the nature for our future’ – with this motto, the students are given a chance to visit Wild life sanctuary or National park under the support of Ministry of Environment, Forests and Climate Change. It provides a firsthand experience to the students and it makes them aware of the rising need of preserving nature and conserving natural resources. Eco clubs and Nature Camps being organized by the institutions enable to serve this purpose well.

Residential environmental education camps provide a setting that can result in beneficial changes in participants' self-esteem, interpersonal relationships, and feelings of connection with the natural world, as well as stimulating greater interest in future low-impact recreation experiences in natural areas. When students learn how ecosystems function and about environmental action strategies that contribute to their maintenance, they develop more environmentally responsible behaviours.

### Background:

Ministry of Environment, Forests and Climate change sanctioned the proposal submitted by Kerala State Council for Science, Technology and Environment for organising National Nature Camping Programme 2024 and released an amount of 16 lakhs for the programme.

The “Nature experience” to children and teachers has huge potential to trigger the sensitivity towards nature appreciation and conservation, leading to positive environmental actions at different levels.

The programme aims to conduct Field Visits (Nature Camps) in different protected areas/ Nature parks/Tiger Reserves of the State for 3 days to create awareness amongst school students on environment and nature. The programme aims to provide students an opportunity to learn about natural resources, ecosystem services and the importance of the area by involving them in activities such as:

***Apna Paryavaran Janiye” (Know your Environment) by preparing small checklist of***

- ☐ flora and fauna seen/spotted by them in the nature trail
- ☐ Bird watching
- ☐ Trekking
- ☐ Green Pledges
- ☐ Group Discussion involving record/sharing of experiences
- ☐ Other nature based activities

### Objective

The primary goal of the NNCP is to create awareness about the environment, biodiversity and the importance of conservation by taking students on field visits to protected areas such as National Parks, Wildlife Sanctuaries, and other protected zones. These camps are designed to offer hands-on exposure to nature and foster a deep understanding of environmental issues.

### Target Audience

NGC Students: The programme specifically targets students involved in the National Green Corps (NGC), which is a government initiative aimed at involving school children in environmental conservation activities.

### Duration

The camps are organized for duration of **3 days** providing a balance of structured learning and real-world exposure to the natural environment.

### Formulation & Conduct of the Programme

KSCSTE proposed to conduct the programme in association with District Implementation Committee of NGC and Forest Department. The programme aims to conduct field visits for NGC students in different protected areas/National parks/wildlife sanctuaries for 2-3 days to create awareness among school students on Environment and Nature. A maximum of Rs 1 lakh/camp @ Rs.2000/- each for student which includes coordination by KSCSTE and expenses incurred towards coordinating the programme for 3 days with a ceiling of 50 students/camp along with 5 teachers/coordinators is the sanctioned allocation from Ministry.

KSCSTE organised the programme with NGC District coordinators as Conveners of the programme. Financial assistance released to the District Coordinators for organising the programme in the districts.

KSCSTE released financial assistance for organising 14 Nature Camps in the 14 districts of the State. All the districts organized the Camps before March 2025 and submitted reports, audited SE/UC and other documents.

The details of the Fourteen nature camp programmes organised are as follows

#### A) Summary of the Camps

Sl. No	District	Venue	Date	No of participants
1.	Trivandrum	Neyyar Wild Life Sanctuary	7-9 <sup>th</sup> February 2024	50
2.	Kollam	Schendurney Wild Life Sanctuary	11-13 October 2024	55
3.	Pathanamthitta	Schendurney Wild Life Sanctuary	25-27 October 2024	55
4.	Alappuzha	Schendurney Wild Life Sanctuary	1-3 November 2024	56
5.	Kottayam	Vagamon Hill Station	21-23 February 2025	50
6.	Idukki	Adayalakkallu grass land, Paruthumpara, Bear cave, Chempaka Rock and Udayagiri cross mountain	23-25 August 2024	55
7.	Ernakulam	Thattekkad Bird Sanctuary	27-29 September 2024	55
8.	Thrissur	Turtle Nesting Area, Chavakkad, Chettuva mangroves, Mannalamkunnu beach, Edakkazhiyur beach	15-17 November 2024	56
9.	Palakkad	Silent Valley Mukkali and Thathamangalam Range	14 to 16 January 2025	75
10.	Malappuram	Karimpuzha Wild Life Sanctuary	6 to 8 December 2024	59
11.	Wayanad	Muthanga, Wayanad Wild life sanctuary	January 31 to 2 February 2024	55
12.	Kozhikode	Vanaparvam Biodiversity Centre, Kakkavayal, Kadalundi Community Reserve, Janakikkad Kuttiyadi Range	3, 4 & 9 January 2025	127
13.	Kannur	Vanavidyalayam Kottancheri	29 November to 1 December 2024	62
14.	Kasaragod	Vanavidyalayam Kottancheri	22 -24 November 2024	65
<b>Total Number of Camps- 14</b>				
<b>Total Number of Participants- 934</b>				



## 1. NNCP TRIVANDRUM

**Campsite:** Neyyar Wildlife Sanctuary

**Date:** 07/02/2025 - 09/02/2025

The National Nature Camping Programme (NNCP) is an initiative supported by the Ministry of Environment, Forest and Climate Change (MoEF &CC) under the Environment Education Programme (EEP). It aims to engage school students, particularly those from the National Green Corps (NGC), in nature and environmental awareness through immersive experiences.

### **Objective:**

The primary goal of the NNCP is to create awareness about the environment, biodiversity, and the importance of conservation by taking students on field visits to protected areas such as National Parks, Wildlife Sanctuaries, and other protected zones. These camps are designed to offer hands-on exposure to nature and foster a deep understanding of environmental issues.

### **Target Audience:**

**NGC Students:** The programme specifically targets students involved in the National Green Corps (NGC), which is a government initiative aimed at involving school children in environmental conservation activities. Students from schools across the Thiruvananthapuram district, participate in these field visits at Neyyar Wild Life sanctuary. A total of 50 students registered for the Nature study camp. A total of 43 students from 22 schools and 5 teachers were attended the programme.

### **Duration:**

The camps are organized for a duration of 2 to 3 days, (Feb 7 to 9, 2025) providing a balance of structured learning and real-world exposure to the natural environment.

### **Activities:**

- **Nature Walks & Treks:** Students will engage in guided walks and treks within the protected areas, learning about local flora and fauna, ecosystems, and conservation practices.
- **Wildlife Observation:** Participants will have opportunities to observe wildlife in its natural habitat, increasing their understanding of biodiversity and the importance of preserving habitats.
- **Workshops and Talks:** Experts and environmentalists often lead sessions to educate students about the challenges of wildlife conservation, ecological balance, and sustainable practices.
- **Interactive Activities:** Fun and engaging activities like quizzes, and painting competition.





## 2. NNCP KOLLAM

*Campsite: Shendureney wild life sanctuary, Thenmala*

*Date: 01/11/2024 - 03/11/2024*

Under the leadership of the National Green Corps, Kollam District, a three-day Nature Study Camp was held at Shendurany Wild life Sanctuary, Thenmala from October 11 to 13. As per the instructions given to Eco Clubs, 50 children from 27 schools, along with 4 teachers and the district coordinator, participated. Students from nearest schools are involved in this programme.

On 11th October 2024, the bus arrived at 3:30 PM. The District Coordinator, Shri. Rejinald, along with the Forest Section Officer, Shri. Shyam Kumar presided over the meeting. The event was also attended by Shri K. K. Viresh, the Wildlife Assistant, Shri Vinoj, the Beat Forest Officer, Smt. API Sajeew, Mrs. Knowma, and Mrs. Basp. Following the event, Mrs. Latasha led a session on birdwatching. Additionally, Ramesh conducted classes on forest management and conservation.

On the second day, the Beat Forest Officers led the children on a trekking trip through the forest. The children learned about forest resources and various types of trees. In the afternoon, they went on a jungle safari to visit a lake in the forest. The children were delighted by the beautiful sights. In the evening, Smt. Latasha conducted a session on the night environment and waste disposal. Later, an imagination class and a group discussion were held. The second day concluded with an art activity by the children.

On the third day, the Forest Wildlife Assistant Shri. Shiju led the children. They were able to list 26 species of birds. Afterwards, they visited the Deer Park, where the children got a chance to observe deer and other animals. At 11:00 AM, they visited the Kallada Irrigation Project, the 66 KV power plant, and the Parapar Dam. In the afternoon, a closing meeting was held, where they summarized the experiences of the three-day camp. Students from various schools shared their different visions and experiences.









### 3. NNCP PATHANAMTHITTA

*Campsite: Shendureney wild life sanctuary, Thenmala*

*Date: 25/10/2025 - 27/10/2025*

- To encourage children to observe the surroundings with all their senses.
- To focus their attention and take in the details of things around them.
- To increase their motor skills like climbing balancing etc.
- To understand their relationship between Man and Nature
- To improve their learning and research skills.

#### **Day1: October 25 Friday**

We started off to **Thenmala Shendureney Wildlife Sanctuary from Thiruvalla town** at 10 am with 55 children and 5 teachers covering a distance of 94 kilometers. All the 55 children were insured in United India Insurance Company Ltd under coverage C with a sum insured for an amount of Rs 29,00,000- (Twenty Nine Lakhs ) for total of 55 students. The children belong to 17 schools in Pathanamthitta Dist



We reached Shendureney by 3 pm. After reaching, the children took rest in their dormitory in Shendureney Wild Life Information Center. By 4 pm after tea and snacks we went out to see the check dam in Kallada River and Observation Point. Children Have Learned the significance of Check dam in enhancing the natural flow of river specially in irrigation projects. By 6 pm we were back in Shendurany forest information center and attended a class on Shendureney's history and significance conducted by the EPO of Wildlife information center Smt. Sudha Gowri. It was an interactive session and the children had cleared a lot of the doubts about

Wildlife. The Class was very much interesting. After the class a discussion was held by the children on the topic on which they have learned in the class. By 8pm dinner was served and by 9pm they all went to bed.



## Day2: October 26 Saturday

All the children have woke up by 6am and had morning tea by 6:30am. They all got ready by 7:30 and had breakfast. By 8:30 they all set off for the forest walking to Lake View — Kulamkunnu forest area. Our guide was Sri. Subramanyan — A Professional trekking guide. It was a program being in Nature connecting through our senses of sight, hearing, touching and smelling. The forest walking bridges the gap between the children and the natural world. It was a wonderful experience for the children mainly for those who have never been to a forest. They have learnt how trees can help you find health and happiness and the program have enhanced their love towards trees. By this walk they have also understood the different species of trees and plant sand they were very lucky to see the tree Shendureny from which the name of the forest has evolved.

It was a four and a half hour journey and after that, they have sat down to prepare an album on different types of fungi, that they have collected from decaying and rotten trees from the forest. They have also learned how to differentiate edible and non edible Fungi. (Mushroom ). Though the forest walk was tiresome the children have benefited a lot. Their queries and anxieties were quenched by our guide Sri. Subramanyan. After lunch the children took rest for two hours. By 4pm after tea and snack, the children had visited the dam site and have learned the production of hydroelectricity and the impact of Dams on vegetation, Wild life and Soil . By 6:30pm we have another session of class by Sri. Shiju. B-Wild life Assistant of Shendurney Wild life



Sanctuary. More than a lecture class it was a discussion in which all the children were involved. It was mostly about the biodiversity in the forest and very particularly about birds in the wild. By 8 they had their dinner and they have attended another interesting class on man and wildlife conflict by Mrs. Aswathy Raj, Wild life Warden.

All the classes and discussions were supported by audio video aids. After the class the children has come up with a variety entertainment session in which they were able to show up their artistic talents. By 10 pm they all went to bed.

Children set off for bird watching by 6.30 am to the lake view forest area. They slowly and very carefully walked through the forest listening to the sweet, tweet and chirp of birds. Some of the voice the children were able to identify. They have come across mainly the birds like Parrots, Mynas, King Fishers, Woodpeckers and a pair of Great Hornbill. They were thrilled to see these birds in the wild. Some of the animals like Wild Squirrels, Mongoose, Monkeys and Rats also they come across on their way.

By 9.30 am they reached back to their dormitory and had breakfast. By 10.30 am they have participated in dry leaf compost practical workshop by Sri Biju Mathw K C.( Resource Person Energy Conservation Society , Kerala ).It served as a great initiative in making the people in Shndureney Eco Tourist Centre , the importance of cleanliness and proper waste management. On their way back they have visited the Deer Rehabilitation Centre also, and realized the importance and reasons for rehabilitation of wildlife. By 1.30 children had lunch and by 2pm they had valedictory function which was addressed by Sri. Santhosh Kumar-Deputy Range Forest Officer. The children had shared their experience of the program in the session. By 3 pm the children bid farewell to Shendureney Wild Life Sanctuary and boarded the bus to back home.

Follow up programs were held through their respective schools and we have come to know that National Nature Program was very much informative, educative and interesting. They were satisfied with the facilities extended by the coordinators.

The Nature camp has provided authentic learning opportunities. Children learned so many concepts related to the nature and natural processes. Their conception of the nature would help the children in their learning and research. More focused observation was also made and also discussed their observations with their friends and teachers. A questionnaire was applied at the beginning and end of the camp. The results showed that the nature camp program was effective in extending children's conceptions of the Nature and its Biological aspects. They also understood the relationship between Man and Nature.







#### 4. NNCPALAPPUZHA

*Campsite: Shendurenay wild life sanctuary, Thenmala*

*Date: 01/11/2024 – 03/11/2024*

Alappuzha District successfully completed National Nature Camping Programme at Shendurany Wildlife Sanctuary, Thenmala, Kollam District from 01/11/2024 to 03/11/2024 (3 Days) with the support of KSCSTE and Forest department 32 male and 18 female students and given participation to students from all four educational districts of Alappuzha Revenue District. Total 56 persons including 50 students, 2 lady escorts, 3 faculties' and 1 NGC official (DistrictCoordinator) participated.

The team departed from Kayamkulam KSRTC Stand through specially chartered Tourist Bus flagged off by U Prathibha, MLA and arrived at 4.30pm at Thenmala Forest Information Centre. Then the students had tea and assembled at Forest Information Centre Hall. At 6pm, Sri.Heeralal,WildLife Warden & Divisional Forest Officer, Shendurany Wildlife Sanctuaryall inaugurated the Camp followed by self-introduction. Sri. AswathyRaj, Range Officer, Shendurany Wildlife Sanctuary gave a class on the history of Shendurney WildlifeSanctuary and ITS Biodiversity. The Asst. Wild Life Warden gave a class on the history of Shendurney Wildlife Sanctuary. After that Sri.RajuV & Sasidharan Manekkara coordinated the Grouping of students and gave Instructions on Field diary followed by Special Recreation & Art programmes of students



The 2<sup>nd</sup> day started with a ‘Nature walk” followed by Ecotourism Park Visit. Then after breakfast ,at 9 am the camp members started the Forest trucking with nature study classes, field observations, flora & fauna analysis along with the forest officials and Guards. After lunch Smt. Nisha Thalassery gave a class on the importance of butterfly’s and its diversity. After Tea at 4.15 pm, the students attended a session on the Biodiversity of Birds by Sri.Sasidharan Manekkara followed Cultural programmes of students

On Day 3, at 5.30 am the students were taken for Bird Watching & site observations with forest officials & guards followed by a small trekking with nature study classes with forest officials. The students also were taken to Deer Park, Kalamkunnu LakeView ,Thenmala / Parappar Dam under Kallada Irrigation Project.

After lunch there were Camp evaluation & experience sharing, Camp diary evaluation, Prize distribution to best project diary etc. The prizes were distributed to the winners by Sri.AswathyRaj, Range Officer & Sri Sasidharan. The team departs from Thenmala through specially chartered Bus and reached Kayamkulam at 5.30 pm.





## 5. NNCP KOTTAYAM

*Campsite: Vagamon Hill Station*

*Date: 21/02/2025 - 23/02/2025*

As per the directions given from KSCSTE, we have conducted a camp of 3 days duration from 21<sup>st</sup> February to 23<sup>rd</sup> Feb. 2025 at the Famous Hilly Place named Vagamon in Kottayam District. 48 Students from various NGC Schools participated in the camp. (The list of students participated is attached with this report)

On 21 Feb. at 1 pm the students and escorting teachers assembled St. Mary's HS, Manarcad and the journey started by a special bus. At 3 pm we reached at MITRANIKETHAN, Vagamon. After Evening Tea The Students Went For Sight Seeing. The Beautiful Scenery Of Hills And Forest Were Attracted By Them. They Prepared A Check List of 'FLORA AND FAUNA' and recorded it in their note books given by us.

After dinner at 8'o clock they assembled at Mithra Nikethan for 'Ice Breaking' Programme. In this program they introduced themselves and became good friends. Sri. Hari Palazhy introduced various methods of group formation. The programme concluded at 9'o clock.

On 22<sup>nd</sup> Feb. 6 am, the students and teachers went to Murugan Mala for trekking. They enjoyed the beauty of the hills. After that they engaged in Bird Watching. At 10 am Sri. Abhijith. S conducted an ECO Quiz. In the afternoon at 2'o clock they reassembled at Mithranikethan. Mr. T. R. Rajan Rtd. HM took class on environment conservation. In the evening at 5 pm Sri. Hari



Palazhy taught them the Origami techniques and paper carry bag making. In the evening they conducted a Camp Fire. They presented various cultural programmes. They took Green Pledges.

On 23<sup>rd</sup> Feb. at 6 am the students along with teachers visited Mottakkunnu. They watched the beauty of the Hills. At 10'o clock they visited Orchidarium and the place where the Meenachil river originated. After that they visited the Pine Forest, at 4 pm they returned to Kottayam.



STUDETS AT 'MOTTAKKUNNU'



2.2025 NATURE BASED ACTIVITY  
PAPER BAG MAKING



## 6. NNCP IDUKKI

*Campsite: Classic Eco Study Centre Chempakappara*

*Date: 23/08/24 - 25/08/24*

Idukki district level Nature Education camp was convened at Classic Eco-study center Chempakapara on 23<sup>rd</sup>, 24<sup>th</sup> and 25<sup>th</sup> August 2024. It was one of the outstanding activities of National Environment Program (EEP). This camp of Idukki put forward certain vital and extra ordinary thoughts and outlook to the entire participants of the camp. After the three days camp Students were made clear the vital picture of environment, climate change global warming Nature protection, pollution environment preservation, Group dynamics, green gas emissions, teamwork, different ecosystems sightseeing experiences and so on.

Eco-club students and teachers started to come at 2o'clock on the first day. the participants were greeted and welcomed by Classic Eco- study members and "Belmount" school inmates and PTA members. The three day camp was started at 4o'clock after tea and snacks and inaugurated by Mr. Jayakumar Dy. Commissioner excise Idukki. Very nice environment message was delivered by Mr. Sabu Joseph Trainer and excise nodal officer vimukthi Idukki.

After the inaugural ceremony there was a wonderful ice breaking program managed by Babu Sebastian. It was conducted inside the bamboo park consisting of seven varieties of bamboos. Dinner was arranged at 8o'clock every day. There was a general session At 8:45 PM enlarging vision and attitude of campers all environmental scenario. 9:30 PM was the bed time and 6:00 AM was the raising time. Morning Session started with yoga and meditation at 7:45 our students and teachers got an ever memorable moments of birds watching. The campus could identify different species of birds.

Campers were given a golden chance for trucking. They could see, touch, and experience 100 species of wild trees, fruit trees and plants. At 11o'clock There was an interactive session with Mr. Joseph Mathew principle of SMHSS Murikkasheri and the Award winner of best teacher of Kerala with an inspiring insight students were led to see medicinal plants and medicinal harbour. They could identify more than 70 varieties of birds herbs and plants.

After lunch all the campers went to the campus of DePaul International school Pushpagiri. There they could experience different ecosystem and biodiversity. There were some grassland hills covering entire area with greenery. From the top of the hill they could see the Elephant hill near Eravikulam National Park. Which is the highest mountain in South India apart from the Himalayas. The campers could experience the feel of 19 degree Celsius and Frost and derzlin.

The second day of the camp was teem with variety of programs like trucking, karate practice, yoga meditation, environmental discussion and debate , interaction with the eminence, group dynamics . There was an interaction with the poet and environmentalist Mr. Mathew Sunny an eye opening moments for the campers. He unveiled the hidden histories of Idukki district.



**Hands On Training:** The fifty students of the camp was divided in two two groups and where given practical approach of electrical awareness. Two skilled resources persons where there to educate the primary convection on electrical power. The were Mr. Baiju Varghese Electrical Engineer and Mr.Radhakrishnan Electrical Technician. They could clear so many doubts of our campers inconnection with high power, power shortage, power amplification, electrical shocks, resqueoperation etc.

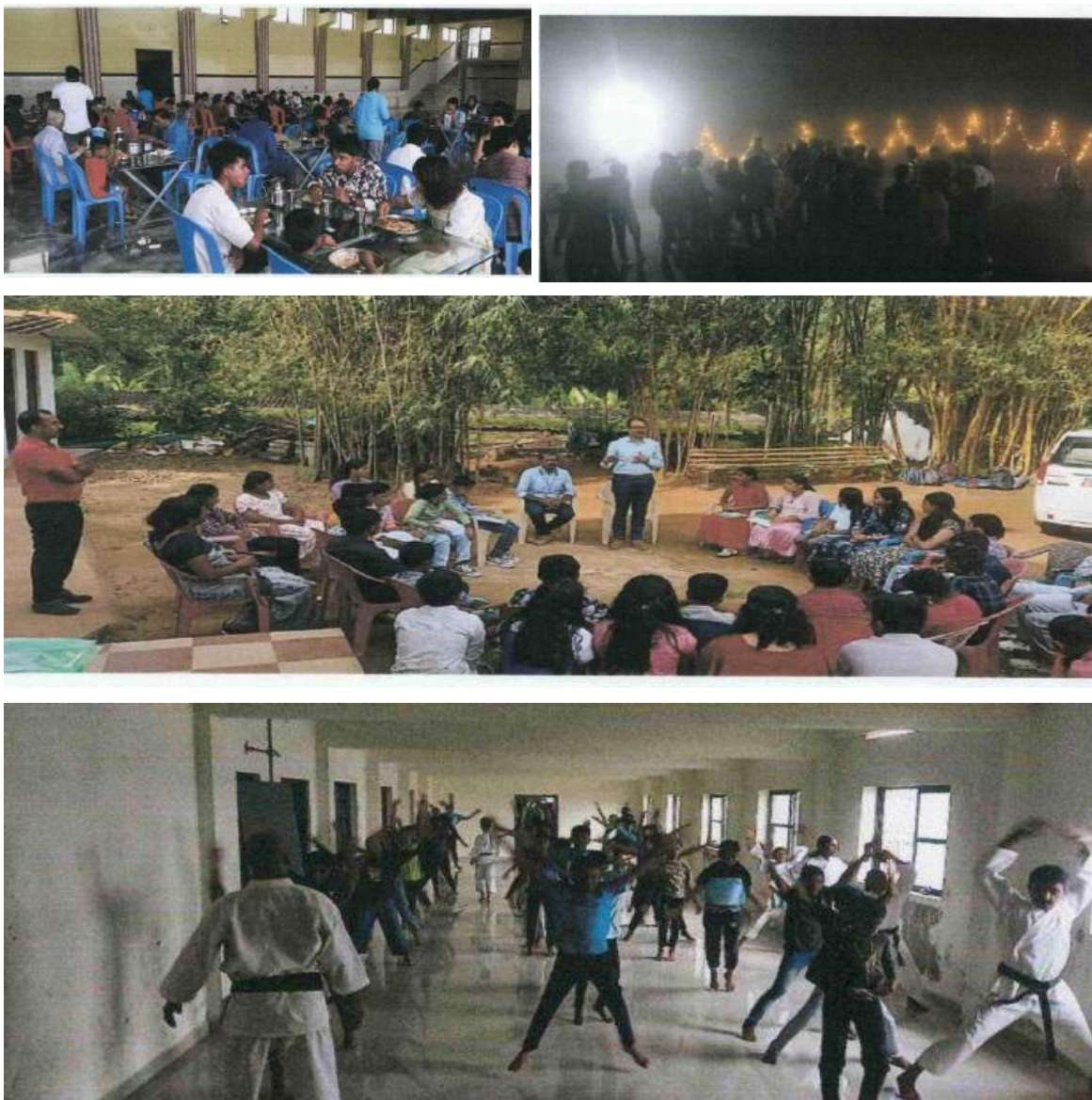
Karatte master and karate refery of Kerala Mr. Mathew Joseph -7<sup>th</sup> Dan performed a good demo with his 7 disables. He told them some 'murma' points also. There was one discussion and debate program Mr. V K Saji- Principal DE Paul International School who was the moderator of that session. The group discussion was animated by our two excote teachers SRM. Deepa. S G GUPS Elappara and Mr.Jiss Joseph FM GHSS Koombampara. After dinner there was variety entertainment and cultural programme conducted by the campers. At the end of the section there was a campfire each and every one of the camper the teachers and even the VIPs had actively taken part the campfire. It was an unforgettable and amazing experience in most of the campers.

The third day was started with yoga meditation and karattepractice. After breakfast we had a good trip on foot, like trucking covering grass land forest to a famustea factory run by Co-operative bank Thankamany. It was a fully mechanized tea factory. A factor outlet was also be there. Some members had bought fresh tea from there with reduction price. The factory manager Mr. Ramesh divided our team in to three groups and explained elaborately the entire running system of the factory. He introduced highly skilled technicians and labours before our students. There was an assembly infront of the factory for giving thanks to the factory management. The management gave a vivied picture of the present issues of tea production, problems of tea farmers, price fluctuations etc to the campers. His factory was situated on the top of the grass mountain in the sahya mountains.

After the session we return to our camp site for the camp evaluation. Re. Fr. Dr. Jose Ayikkara was the chair of the program. The students remarked that the three days camp created on explicit situation and attitude on environment and eco-system. They were studying through experiences The campers were given away certificates prizes, and T. A. To best campers were also selected and given away prizes by the chair. The camp was ended at 2:30pm after the delicious food. EEP NGC team of Idukki heartfully congratulate state co-ordinator and the team members of KSCSTE Trivandrum.







## 7. NNCPERNAKULAM

*Campsite : Thattekad bird sanctuary Kothamangalam*

*Dates of the programme: 27/09/2024 to 29/09/2024*

At 11.30 AM on 27 September 2024, the exploring trip began with a folk of young minds and a bunch of teachers from Aluva via Iringolkavu Ecotourism Perumbavoor, we reached Thattekad Bird Sanctuary by 4.30 PM. Next morning at 5.45 AM to 6.45 AM we had a Yoga section and it was finished by "Pranayama and Surya Namaskaram". After a short rest the group, along with guide, went for a short bird watching. After the delicious breakfast we went trekking till the afternoon there after a delicious lunch at 1 PM. At 3 PM a session on the protection of nature was held by the resource person Mr. Sudhin. At 4 PM we had a tea break session and went for the butterfly garden visit, Salim Ali, birds emporium, there the students' were boosted with various feeding habits and flight adaptations of different species of birds. The day ended with a short session wherein the students shared their experiences along with a cultural night. The last



day began with a short morning Yoga session and bird watching at the Salim Ali Bird Trail. After lunch at 2:00 PM a session for experience sharing and certificate distribution by the Forest Range Warden was held. The camp ended at 4:00 PM.







## 8. NNCP THRISSUR

*Venue: Chavakkad green Habitate Turtle beach*

*Date: 15/11/2024 – 17/11/ 2024*

National Green Corps (NGC) Thrissur organised NNCP programme at Chavakkad beach area (turtle conservation area, mangroves, Edakkazhiyur beach, Anakkotta etc) on 15-17 November 2024. The total number of participants is 56 nos include 50 students and 6 teachers of 30 schools of the district . Former Registrar of Calicut University Dr. Joshi C.L inaugurated the event. Chavakkad AEO Jayashree presided over the event. 50 children from various schools participated. They stayed overnight at the Shikshak Sadan on the beach. Experts in various subjects led the classes. The class was lively with programs such as natural dyes from the sea, waste management, a trip to the beach, a green pledge, and seabird observation and sea turtle class discussions. The class, which started on November 15, 2024, continued until the 17th. Camp members and teachers actively participated in the class.

ഗ്രീൻഹാബിറ്റാറ്റ് സർട്ടിൽ ബീച്ച് ചാവക്കാട്







## 9. NNCPPALAKKAD

*Venue: Silent Valley National Park, Mukkali Nature Education centre*

*Date: 14/01/2025 - 16/01/2025, 02/03/2025 - 03/03/2025*

National Green Corps Palakkad organized two Nature camps this year with the support of Silent Valley National Park authorities. A total of 66 Selected NGC Students and teachers participated and gained first hand information about forest, wildlife and various ecosystems.



The participants were selected at priority basis on a condition of those who participated in district level programs such as lifestyle workshop, painting & environmental quiz programs, and the school coordinators.

Wildlife awareness, Bird watching, nature walk, group study and report making about the biodiversity richness of various ecosystems they went through quiz competition, environmental skit making and presentation, yoga sessions were incorporated in the camps.

First camp conducted at Thathengalam Nature Education Centre on 2025 January 14,15 &16. It was a wonderful campsite with very minimum infrastructure facilities like electricity, water and accommodation, presentation hall etc. But the field visits were exciting as the participants could cover over 5 different type of ecosystems such as Evergreen, semi evergreen, plantation deciduous and riverine types.

The program inaugurated by Sri RB Ratheeshmon, State president of GRAF (Green Rescue Action Force) and the staff of Silent Valley National Park. The indepth knowledge of various wildlife and their charecters were presented by him and detailed discussion on the subject among the participants presided by Sri. S.Guruvayurappan,

*Inagural group photo of the camp with Sri. Ratheeshmon (GRAF) and the coordinators of NGC Palakkad*





The second camp conducted at Mukkali Nature Education Centre on 2025 March 2<sup>nd</sup> and 3<sup>rd</sup> as the number the participants were less in the first camp. 25 participants was there in this camp. The camp was very much successful as though it was conducted in between ongoing school examinations. More number of Upper Primary school students participated in this camp. Most of the students were first time to exposure to visit a forest or a Protected Area.



Trekking, Bird watching and River walk, identification of flora and fauna was the main activities of the camp. Participants could see a lot of deers, Monkeys and Macaques snakes, Hornbill and other birds, butterflies, beetles and more. A variety of plant species found and their importance in the wild explained. Indirect evidences of Tiger, Leopard, Elephant, Sloth Bear etc. Meditation for experiencing the relation with forest wildlife and human beings done in the deep forest by Sri, S.Guruvayurappan



*Prize distribution to participants and honoring forest staff*



Forest officials on duty supported the camp a lot. Special thanks to Kerala Forest Department especially Sri Jakob, Sri Ganesh, Range forest officer, Bavani range Smt.A Deepa BFO and Sri KOJamaludheen,Ecodevelopment committee members for arranging food travel and other support for giving the opportunity, co-operation and co-ordination.



## 10. NNCP MALAPPURAM

*Venue: Karimpuzha Wildlife Sanctuary*

*Date: 06/12/ 2024- 08/12/2024*

The National Nature Camping Programme 2024 commenced with an engaging inauguration session, setting the stage for three days of immersive learning and environmental awareness. Shri. VR Vinod IAS, District Collector of Malappuram and Chairman of NGC Malappuram, presided over the session, underscoring the importance of nurturing a sense of environmental responsibility among the younger generation. Apurva Tripathi IAS, Sub Collector Malappuram, delivered the keynote address, further emphasizing the program's goals. Adding to the significance of the event, Anvar Sadath P, Deputy Collector of Malappuram, delivered a message, reinforcing the commitment of the district administration to environmental education and conservation efforts. The "Nature experience" for children and teachers has huge potential to trigger their sensitivity towards nature appreciation and conservation, leading to positive environmental actions at different levels.



Dhanik Lal, Wildlife Warden of Karimpuzha Wildlife Sanctuary, began by distributing camp T-shirts to the participants. Following the distribution, he led an informative session on the diverse network of Wildlife Sanctuaries in Kerala.



*Distribution of Camp T-Shirts by Dhanik Lal, Wildlife Warden of Karimpuzha Wildlife Sanctuary*

Riyad BFO Nedumkayam provided an insightful overview of the Karimpuzha Wildlife Sanctuary, located in the Malappuram district of Kerala. His session highlighted the sanctuary's unique ecological significance as the only forest area in Kerala boasting seven distinct forest types.



Fayis T Geo provided a comprehensive overview of the forests in Kerala, which cover approximately 28.90% of the state's total land area. Participants gained insights into the distribution, characteristics, and ecological importance of these diverse forest types.

Hamidali Vazhakkad explored the biogeography of the Western Ghats, world's biodiversity hotspots. The session highlighted the unique climate, diverse topography, and high levels of endemism that contribute to the region's rich biodiversity.



N. Ragesh, Deputy Range Forest Officer at Karimpuzha Wildlife Sanctuary, explored the vital relationship between the rivers and forests within the sanctuary. The session highlighted how the forests act as a watershed for the Chaliyar River and its tributaries.

Muhammed Thasleem led an engaging field session combining the disciplines of Yoga and Mass Drilling.





Satheesh Pullippadam led an informative biodiversity walk, guiding participants in observing and identifying various species within a selected transect route in their natural habitat



### *Session on Green Journalism by Baheej*

In this engaging session, Baheej from Safi Media School Vazhayur delved into the principles and practices of green journalism, emphasizing its critical role in promoting environmental awareness and advocacy.

Abdurahman A from TAC Nilambur led a session focused on actionable steps individuals can take to adopt a more sustainable lifestyle. The session likely covered a range of topics, including reducing waste, conserving energy, choosing sustainable transportation, and supporting local and plant-based food options.

Sabir P, Resource Person from EMC, transformed energy conservation from an abstract concept into a tangible experience with an engaging hands-on workshop where students crafted illuminated stars using LED lights.



In this engaging session, Shihab, Section Forest Officer (SFO) from Karulayi, explored the rich tapestry of ethnic tribal communities.

Yadhu Prasad from the eBird Community Kerala led an engaging field session focused on birdwatching in Kerala. Participants explored a local habitat and observed a variety of bird species.

The closing ceremony of the National Nature Camping Programme 2024 marked the culmination of an enriching and educational experience. Participants shared valuable feedback on the program, followed by the distribution of certificates recognizing their active participation and commitment to environmental stewardship. The session provided an opportunity to reflect on the key learnings, experiences, and friendships forged during the



camp. Heartfelt farewells were exchanged, inspiring participants to continue their journey as advocates for nature and conservation.



## 11. NNCP KOZHIKODE

**Campsite:** *Vanaparvam Biodiversity Centre, Kakkavayal, Wayanad district, Kadalundi Community Reserve, Kozhikode, Janakikkad, Kuttiyadi Range*

**Dates of the programme:** *03/01/2025 - 04/12/2025, 09/01/2025*

03/01/2025 - First campaign- Vanaparvam Biodiversity Centre, Kakkavayal, Wayanad district: All attendees were requested to report near the Srikandeswara Temple, Mofussil Busstand, Kozhikode by 6.30 am on 03/01/2025. A preliminary awareness session was given to the students and teachers by Mr. P. Ramesh Babu, Member, DIMC, Kozhikode. The flag-off was done by P. Sidharthan, District Co-ordinator, NGC Kozhikode at 7.30 am.

The total attendees were 39 students, 9 teachers and 2 coordinators/organisers.

The team was given the camping kit and T-shirt at the beginning of the journey. By 9.30 am the attendees were reached at Vanaparvam Biodiversity Centre, Kakkavayal, Wayanad and was welcomed by Bijesh N, Section Forest Officer, Social Forestry, Kozhikode Range. After a tea-break an official inauguration of the camp was conducted at the site and Prabhakaran P., Retd. Range Forest Officer was inaugurated the event. Ramesh Babu P, Member, DIMC, Kozhikode was presided the function. Nature camp instructions was given by P. Sidharthan, District Co-ordinator, NGC & EEP. After the session team was guided to the forest by forest officers. Another session was conducted by Prabhakaran P., Retd. Range Forest Officer. In between the lunch was taken. A quiz was conducted after the lunch and prizes were distributed. Before leaving the site, the students and teachers were given the participation certificate were distributed. The camp was ended by singing National Anthem and the team started return journey at 4.30 pm.

**04/01/2025 - Second campaign- Kadalundi Community Reserve, Kozhikode:** All attendees were requested to report near the Srikandeswara Temple, Mofussil Busstand, Kozhikode by 8.30 am on 04/01/2025. A preliminary awareness session was given to the students and teachers by Mr. P. Ramesh Babu, Member, DIMC, Kozhikode. The flag-off was done by P. Sidharthan, District Co-ordinator, NGC Kozhikode at 9.00 am.

The total attendees were 22 students, 7 teachers and 2 coordinators/organisers. The team was given the camping kit and T-shirt at the beginning of the journey. By 9.30 am the attendees were reached at Kadalundi Community Reserva, Kozhikode and was welcomed by Vijayakumar M.C., Section Forest Officer, Social Forestry, Kozhikode Range. After a tea-break an official inauguration of the camp was conducted at the site and K.N. Divya, Range Forest Officer, Social Forestry, Kozhikode was inaugurated the event. R. Keerthi IFS, Conservator of Forests, Norther Region was the chief guest. A. Sathyaprabha, ACF, Social Forestry, Kozhikode, P. Sivadasan, Chairman, KVCR and MS. Prasooda, Beat Forest Officer conducted differenet awareness sessions for the team. Ramesh Babu P, Member, DIMC, Kozhikode was presided the function. Nature camp instructions was given by P. Sidharthan, District Co-ordinator, NGC & EEP. After the session team was guided for a boating through the Kadalundi river. The students and teachers were astonished to see the beauty of mangroves and bird-diversity. In between the lunch was taken. A quiz was conducted after the lunch and prizes were distributed. Before leaving the site, the students and teachers were given the participation certificate were distributed. The camp was ended by singing National Anthem and the team started return journey at 4.30 pm.

**09/01/2025 - Third campaign- Janakikkad, Kuttiyadi Range:** All attendess were requested to report near the Srikandeswara Temple, Mofussil Busstand, Kozhikode by 6.30 am on 09/01/2025. A preliminary awareness session was given to the students and teachers by Mr. P. Ramesh Babu, Member, DIMC, Kozhikode. The flagg-off was done by P. Sidharthan, District Co-ordinator, NGC Kozhikode at 7.30 am.

The total attendees were 34 students, 8 teachers and 4 coordinators/organisers. The team was given the camping kit and T-shirt at the beginning of the journey. By 10.00 am the attendees were reached at Kadalundi Community Reserva, Kozhikode and was welcomed by Deepesh, Section Forest Officer, Social Forestry, Janakikkad. After a tea-break an official inauguration of the camp was conducted at the site and Sajeev M.P., Range Forest Officer, Social Forestry, Kuttiady Range was inaugurated the event. K. Beerankutty, Range Forest Officer, Anoop Kumar C., Section Forest Officer, Social Forestry, Janakikkad and Jalis P., Section Forest Officer, Social Forestry, Janakikkad conducted differenet awareness sessions for the team. Ramesh Babu P, Member, DIMC, Kozhikode was presided the function. Nature camp instructions was given by P. Sidharthan, District Co-ordinator, NGC & EEP. After the session team was guided to forest by forest officials. In between the lunch was taken. A quiz was conducted after the lunch and prizes were distributed. Before leaving the site, the students and teachers were given the participation certificate were distributed. The camp was ended by singing National Anthem and the team started return journey at 4.30 pm.





## 12. NNCP WAYANAD

*Venue: Wayanad Wildlife sanctuary*

*Date: January 31, 1-2 February 2025*



A nature study camp was organized at Muthanga, Wayanad Wildlife Sanctuary, on January 31, February 1 and 2, 2025, as part of the National Nature Camping Program, under the auspices of the Union Ministry of Environment, Forest and Climate Change, Kerala State Council for Science, Technology and Environment, and Wayanad District National Green Army. Fifty children and five escorting teachers from various schools participated in the camp. Beat Forest Officer P. Mohanan managed the camp. Mr. Babu K. gave a lecture about the forests of Wayanad and the necessity of preserving nature. As part of the camp, a trekking trip to the Muthanga forest was organized.

Introduced the children to every tree and animal footprint in the forest. Deputy Forester K. Sundaran, Watcher Prakashan, and Guides Aneesh and Keshavan B.F.O accompanied the children. As part of the camp, there were video presentations, awareness classes, and quizzes organized by the Ministry of Forest, Environment, and Climate Change



### 13. NNCP KANNUR

*Camp site: Vanavidhyalayam, Kottanchery(SEEK)*

*Date: 29/11/2024-01/12/2024*

29<sup>th</sup> November at 3pm all the participants reached the campsite. Within 30 minutes all the members registered and were ready for the inauguration programme camping kit was distributed during the registration. The inauguration function started at 4 pm. After the district coordinator's welcome speech and introduction of the camp, Master Aarush Arith inaugurated the three-day national nature camping programme by giving a sapling to Naja Fathima. Sri T.P Padmanabhan did the

presidential speech. He also clearly described the geographical details of the campsite. In his speech, he mentioned the importance and need for environmental education among children. Sri. Lakshmanan gave the safety instructions and rules at the campsite. After the evening tea icebreaker activity started within 30 minutes all of them became friends.

The first class was Introduction and Identification of Butterflies. At 7 pm started the class with slide show presentation. The second class was the Wonder World of Birds. During these two classes, all the participants got an idea about butterflies and birds around us. After dinner, the evaluation and diary writing continued. 10 pm started the cultural programme and the first-day programme ended at 11 pm.

Sharp 6.30 all the students were ready for morning exercise. After the morning coffee started to identify the birds by their songs. The campsite is situated by the side of a wooden brook and different types of birds started singing from the early morning. So, identifying birds through their songs was interesting. The Malabar whistling thrush, Red-whiskered bulbul, puff-throated babbler, Magpie robin, Orange minivet and so many forest birds were identified. Students were grouped into three and at 7 am started the field trip. During the field trip, students have practical identification knowledge of birds and butterflies.

After breakfast at 8.30 am started Forest Walk. The starting point of the forest was 3 km away from the campsite so arranged a jeep to reach the starting point of Reserve Forest Kottanchery. The nature walk-through the forest was guided by Sri. T.P Padmanabhan. He started the speech with the ecological service of western ghats. During this walk, students got direct experience with different types of forests like evergreen, semi-evergreen, grassland and shola forests. They got a clear idea about the forest ecosystem. Also recognised some trees and their importance. 2.30 pm returned to the camp shed and enjoyed their lunch.

The next programme was the calculation of biodiversity. The students were grouped into 10 and each group consisted of 5 members. Instruction was given to all how to calculate biodiversity in a particular area. During this work, all of them got practical knowledge of our biodiversity. After this, each group presented their findings. It was a challenging job and they learned how to calculate biodiversity in a prescribed area. Then the evaluation of today's work and diary writing. After dinner, showed the environment documentary "Our Planet, Frozen World. Then the cultural programme and diary writing ended the second day's programme.

After morning coffee 6am engaged some works in Vanavidhyalayam. Sharp 6.30 started the fieldtrip for bird and butterfly watching. Three groups walked in different directions and came back at 8 am. After breakfast, all students gathered near the forest stream to calculate the flowing water. It was interesting and beneficial for students. Sri. T P Padmanabhan demonstrates the method of calculating the flowing water through the stream. 11 am started the evaluation session. All the students explained their experiences and attitudinal changes. They shared their emotional memories in different ways. After the distribution of the certificate, three days of camp ended.





#### **14. NNCP KASARAGOD**

***Camp site: Vanavidyalayam, Kottancheri***

***Date: 22/11/2024 – 24/11/2024***

Camp began at 4.30 and the inauguration was blessed by the presence of Kanhangad RFO Sri Rahul.K and Deputy RFO social forestry Sri NV Sathyan. Sri.TP Padmanabhan master (Director, SEEK) handled the first session on the introduction of nature education followed by an ice breaking session by Sri Vijayakumar, Anand Pekkadam and V Padmanabhan. After dinner they had a session on experiencing night where all lights were switched off and students listened to the sounds of nocturnal creatures and observed the night sky which was a wonderful experience for them. Then they presented cultural programme and went to bed at 11.00 PM.

Second day after the morning routine they had BP exercises led by Sri C. Rajan and Lakshmanan from 6.00 to 6.30. Then they started for bird watching led by Sri.Raju Kidoor and K.VAnandan . They had breakfast at 8.30 and then they went for trekking in the Kottancheri forest , an evergreen forest of western ghats with several endemic species of Flora and fauna. It was a wonderful experience and forest officials accompanied us . Classes were taken by TP Padmanabhan master, Anand Pekkadam and Prabhakaran Vannadil. It was a wonderful experience for children. Had lunch at 2.30 and after a brief recess the session on understanding the food chain was conducted by Lakshmanan and Vijayan Master. After evening tea they went for bath in the stream in front of the Vanavidyalayam. In the evening they had sessions on



introduction of environmental books by Sri C.Rajan, (Environmentalist), Introduction of butterflies by our enthusiastic participant master Aswaghosh, Biodiversity conservation and threats by invasive plants by Smt.Susmitha.TM and energy conservation by Padmanabhan.V. After dinner they had cultural programme and children had a wonderful day of vivid experience. On the third day after the morning routine they had exercises from 6.00 to 6.30. Then they cleaned the courtyard and planted saplings in the premises of Vanavidyalayam. After breakfast they went for stream study (Picco watershed mapping, locating the springs and stream flow measurement) led by Sri Muhammad Ran and TP Padmanabhan. After that they completed their diary and presented their experiences in the evaluation session blessed by Smt Lakshmi Devi who donated land for Vanavidyalayam. Certificates were distributed to students and the camp came to an end at 2.00 pm after lunch.

Then they returned home with lots of new experiences, knowledge and attitude after the camp





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