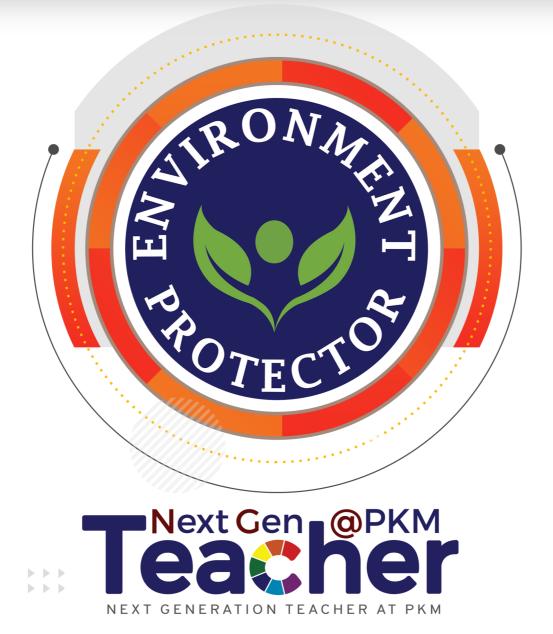
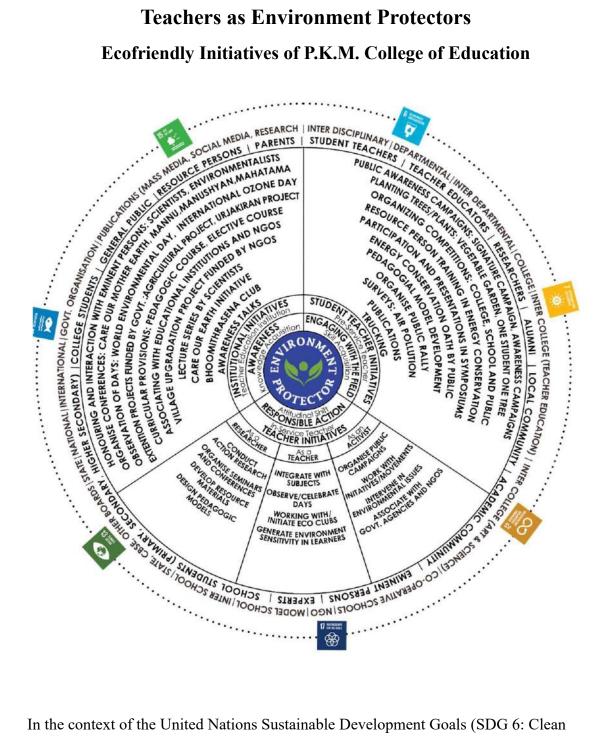
# TEACHERS AS ENVIRONMENT PROTECTORS



# PROGRAMME OF ACTION 2019-2024





In the context of the United Nations Sustainable Development Goals (SDG 6: Clean Water and Sanitation;SDG 7: Affordable and Clean Energy; SDG 12: Responsible Consumption and Protection; SDG 13: Climate Action; SDG 14: Life Below Water; SDG 15: Life on Land) The Next Generation Teacher Education at PKM aims to develop Teachers as Environmental protectors.

#### 'Care Our Earth' Initiative



'CARE OUR EARTH' is an initiative of PKM College of Education for the protection of mother earth in the context of United Nations Sustainable Development Goals (UN SDGs). The initiative intends to develop sensitivity towards nature in the student teachers of P.K.M. thereby transforming them to environmental protectors. It focuses on different dimensions of environmental sustainability such as conservation of resources, sustainable agriculture, climate action and waste management. The initiatives of PKM College in organizing seminars on environmental issues, public awareness campaigns, symposiums, national conferences, energy conservation awareness campaigns, state level experiential learning workshops on environment have contributed to develop environmental sensitivity, a caring

disposition and responsible attitude in the stakeholders in protecting the environment and in realizing United Nations Sustainable Development Goals. In fact, this initiative might be viewed as a model for other teacher education institutions. 'CARE OUR EARTH' focuses on different dimensions of environmental sustainability such as conservation of resources, sustainable agriculture, climate action and waste management. This model initiative of P K M was commenced in the Silver Jubilee Year – 2019- of the college for the protection of our mother earth.

#### **Portfolio Curricular Transaction Process**

#### Conferences/ Webinars/

#### Symposium/Seminars

Symposium on the challenges in survival of Western Ghat on 20<sup>th</sup> Augest 2019. In the context of the flood and its calamities in Kerala Orienting the student teachers

on the need to protect nature and practice sustainable living styles to avoid disasters in the future

Conducted seminar on the theme 'Beat Air Pollution' as part of World Environment day 2019

National Conference on Care Our Mother Earth, in the context of the National Science day Celebration 2020

National Level Webinar on 'Future of STI ( Science & Technology and innovations: Impacts on Education 2021

National Level Webinar on Science for Sustainable future 2022 World Environment day Observance-2019 One day seminar. Survey on air pollution. Public awareness campaign One student one tree. programme

Observance of Days

Observance of Vigilance Awareness week- 2019 1. Conducted rally on Swatcha HI Seva. 2.Plastic collection &cleaning 3. one tree one student programme

Ozone day Observance-2019

Ozone day Observance-2019

World Wildlife Day Observance 2020

World Habitat Day observance 2020

World Environment Day 2020

Kalappa- 2021 as part of Farmers' day Expression of the concept of Padyam Thodiyilek

World Wildlife Day Observance 2021 Extensions & Collaborations

Organic vegetable development project 2019-2020. Implemented with support from Sreekandapuram Krishi Bhavan Materialistic products from the gardens; eco- friendly approach and sensitive attitude towards nature

#### Manu Manushyan Mahathmavu

In association with Malabar Social Society Major themes Vithum Kaikottum and Nattariuu

Urjakiran 2019-20, 2021 Technical support by EMC and funded by CED, Govt. of Kerala in collaboration with Sathyan Smaraka Vayanashala Seminar, rally, signature campaigns, leaflets

Resource person training

As part of world environment day 2020, PKM College in association with SEEK(Society For Environmental Education In Kerala) conducted webinar on "Time For Nature"

# Ozone day Observance-2019

Competitions

Quiz Competition

World environment Day observance 2020

 PKM tree challenge
Article competition- on the topic "Role of environment in providing materials required for the sustainable development of different organisms & human beings"
Online environment quiz

World Habitat Day Observance 2020

1 Identify Habitat competition 2 Photography competition- on the theme, Natural habitat- My Home.

3. Paper presentation Competition on the topic"

Housing for all: a better urban future".

World Wildlife Day Observance 2021 Quiz Competition Photographic Competitiontheme " Survival"

International Forest day Observance 2022 Poster Making competition

World Environment day 2022 1. seed & leaf identification competition

Care our Earth at a Glance

#### Symposium on "The Challenges in Survival of Western Ghat"

In the context of the flood and its calamities in Kerala, a Symposium on "The Challenges in Survival of Western Ghat" was organized in the college on 20<sup>th</sup> August 2019 with the aim of orienting the student teachers on the need to protect nature and practice sustainable living styles to avoid disasters in the future. Six student teachers (2019 -21 batch) presented their papers on the topics: 'Geographical Features of Kerala' (Yamuna M.M); 'Western Ghats and Background of Gadgill Report' (Jain James); 'Gadgill Report' (Akhila P.V.); 'Kasthuri Rangan Report'

(Angelin Stephen); '2018 Flood and Effects' (Sayona Jose); '2019 Flood and Effects' (Siona Jose). Dr. Veena Appukuttan, Assistant Professor in Social Science chaired the discussions.

#### National Science Day Celebrations and National Conference

In the context of the National Science Day Celebrations, a National Conference on "Care Our Mother Earth" was organized on 27<sup>th</sup> February 2020 with the financial support (Sanctioned fund:12,000/-) of Kerala State Council for Science, Technology and Environment, Government of Kerala & Department of Science and Technology, Govt. of India. The conference aimed at developing sensitivity towards nature among student teachers and school students.

The conference was inaugurated by Space Scientist Dr. M K Satheesh Kumar (Department of Space Physics, Wollega University, Ethiopia, Africa). The college honoured the chief guest for his global contributions in the field of climate change research. During the inaugural function a video on the importance of Science day celebrations; contributions of Sir C.V. Raman and glimpses of previous year Science day celebrations and Conferences were presented.

In the Technical Session on "Role of Indian Ocean in Controlling The Global Climate", Dr Satheesh Kumar lectured on: How oceans play major role in atmospheric changes and in controlling global climate; Formation of Indian ocean dipoles; Reason behind simultaneous catastrophes due to heavy rain fall and wild fire in African and Australian continents; Scientific process skills of Indians.

In the Technical Session on "Women in Science" by the resource person Dr. Bindu M P (Post Doctorate Fellow, Central University of Kerala, Kasargode), she lectured on: The limitations and restrictions women face in science as part of society; How to Care the Mother Earth through attitudinal change; How important are self-motivated attitudes for responsible actions.

The conference was coordinated by the Department of Physical Science under the guidance of Dr Prasanth athew, Assistant professor in Physical Science. The participants included student teachers of 2018-20 and 2019-21 batches and teacher educators. The details of conference were published in Newspapers and in Social Media.

A virtual paper presentation (videos) competition for high school and higher secondary school students of Kerala were also organized based on the focal theme "Care Our Mother Earth".

#### Urjakiran 2019-2020: Energy Conservation Awareness Campaign

PKM College of Education had been selected as the nodal agency for organising the Government funded project "Urjakiran 2019-2020", an Energy Conservation Awareness Campaign for the public, especially for government employees in the Irikkur Assembly Constituency. The project was an initiative of the Energy Management Centre (EMC), Government of Kerala and Centre for Environment and Development, Government of India. An amount of Rs 12000/- was allocated for organising three awareness campaigns in the constituency at three different government offices. The project was undertaken by the Department of Physical Science under the guidance of Dr Prasanth Mathew (Vice Principal and Assistant Professor, Physical Science). Student teachers got training from the Energy Management Centre through their workshops for the coordinators. The EMC provided resource materials and resource persons for the implementation of the project. The project was a continuation of the Projects from 2015 onwards and the college was the only higher education institution in the constituency selected for the implementation of the project. Each year, selected student teachers receive training in applying, implementation and reporting at their regional workshops. Some student teachers have also received resource person training at the Energy Management Centre, Trivandrum, after which they have been working as the resource person for the district. General public was the focus of the project in the four years commencing from 2015. However, the project of 2019-20 was intended for Government offices and employees. The objective of the programme was to provide awareness among the government employees and equip them for efficient management of all forms of energy efficiently in their government offices and their families.

• Awareness Campaign 1:

At Government Taluk Hospital, Iritty. on 18th January 2020

Dr. Raveendran (Medical superintendent, Government Taluk Hospital, Iritty) inaugurated the campaign by speaking on the need to conserve energy in their workplace. Energy Management Centre's (EMC) State Level Resource Person, Mr Biju Antony explained the various schemes offered by EMC, the ways in which we can avoid the misuse of energy in an office and the need for selecting quality-based equipment (3-star, 5-star etc).

More than 50 employees including doctors, nurses and other hospital staff attended the campaign during their break time at the seminar hall of the hospital. The participants expressed their willingness to change their life style during the feedback session. Student teachers of Physical Science under the guidance of Dr Prasanth Mathew coordinated the campaign.

• Awareness Campaign 2:

At Government Hospital, Irikkur on 19th January 2020

The campaign was inaugurated by Dr Ramitha P.P. (Medical Superintendent in charge) who spoke on the need to conserve energy.

Trained EMC resource person, Mrs Ashlin Raj (Alumni member of PKM College) elaborated on why and how to avoid the misuse of energy in offices /public sectors; the various schemes offered by EMC, and the relevance of using quality-based equipment (3star, 5-star etc) for energy conservation.

In the feedback session that followed the participants reciprocated their willingness to change their lifestyle and make their valuable contribution in energy conservation.

• Awareness Campaign 3:

At Government Taluk Hospital, Taliparamba on 20th January 2020

Dr A Sushil (Medical superintendent in charge, Govt Taluk Hospital Thaliparamba) inaugurated the campaign and talked about the need of conservation of energy in the inaugural address.

During the campaigns, the booklets supplied by EMC and the news letters "Uyiranu Urjam" (Energy is precious) were distributed among the staff and the public. Posters and videos on the need to conserve energy were also exhibited.

The campaigns got wide publicity through newspapers, news channels and other social media.

State Level Experiential Learning Workshop on Environment: "Mannu Manushyan Mahatmavu" State Level Experiential Learning Workshop on Environment "Mannu Manushyan Mahatmavu" was organized on 15<sup>th</sup> & 16<sup>th</sup> October 2019 in association with Malabar Social Service Society on the occasion of the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi.

The purpose of the experiential level workshop was to make the new generation student teachers aware about the environmental issues and indigenous and modern farming techniques; generate in them a love for the nature and cultivate a culture of eco sensitivity. The workshop focused on two major themes:

Vithum Kaikottum-Lessons on Agriculture and

Nattarivu -Lessons on Health and Medicine.

#### Vithum Kaikottum- Lessons on Agriculture and Farming

On the first Day, based on the focal theme Vithum Kaikottum-Lessons on Agriculture, a resource talk session on the theme was delivered by Mr. Biju Joseph (Agricultural Officer, Krishibhavan, Payyavoor). The talk included the challenges faced by today's farming sector and the various schemes and subsidies introduced by government for the benefit of farmers. The participants included Student teachers, Teacher educators, large scale and small-scale farmers of the local community.

Second resource talk by Rev. Fr. Manoj Ottaplackal (Sculptor, Artist) was held in the afternoon focusing on the theme Chithrasamvadam-lesson on soil painting. The talk included elegant thoughts and facts conveyed through his majestic paintings prepared by soils of different colours and textures.

The workshop included honouring of the farmers of the locality and coconut husking competitions for the farmers. Farmers shared their views and experiences in indigenous farming and bio farming. The student teachers got an opportunity to experience farming with farmers by planting more than twenty varieties of seeds and plantlets in the campus vegetable garden.

The programme included exhibits of indigenous farming devices, farm products, indigenous medicines etc. Student teachers published a magazine 'Kathir'-presenting various poems, articles, proverbs and folk songs related to farming and agriculture. The venue was made attractive by arranging Thannerpandal – a place where participants could drink butter milk and buy dry bouquets and naturally available materials.

#### Nattarivu -Lessons on Health and Medicine.

On the second day of the workshop, resource talk was given by Dr Radhika P. (Govt. Ayurvedic Medical Officer, Sreekandapuram) on the theme Nattarivu -Lessons on Health and Medicine and on various treatment options in Ayurveda, including Yoga, Acupuncture, herbal medicine, massage therapy and dietary changes. She also presented various herbal plants used for the ayurvedic treatment. Student teachers presented papers on topics like Krishi lokasahithyangal, Mannine Snehicha Manushyan, Krishi samskaravum Krishi pattum, Krishisamskaram malayalasahithyathil and Tolstoey Farm. Honouring of the Traditional Ayurvedic Physicians of Kannur district were also part of the programme.

#### World Environment Day Observance 2019

World Environment Day was observed on June 7<sup>th</sup> 2019 by Bhoomithrasena Club of PKM College of Education with the funding support of Kerala State Council for Science, Technology & Environment, Government of Kerala, with the aim of protecting nature and creating awareness among student teachers in environmental conservation. The focal theme of the programme was 'air pollution'.

□ One day Seminar (College Level)

A Seminar on "Beat Air Pollution" was organized as part of the day observance. The resource persons of the programme were Mr. K K Ravi (Retired District Coordinator of

Pothuvidhyabhyasa Samrakshanayajnam; Coordinator of S S P) and Mrs. Susmitha T M (HSST Botany, GHSS Mathil, Kannur). The seminar was inaugurated by the resource person Mr. K K Ravi by handing over a plant sapling to the Principal, PKM College of Education after which he elaborated on Air Pollution, its consequences, the current position and status of air pollution in the World and in India. This was followed by a talk by Mrs. Susmitha T M on different ways to withstand air pollution, necessary changes to be made in day-to-day life activities, health issues, precautions etc.

□ Survey on Air Pollution

A Survey on air pollution was conducted by the Student Teachers under the guidance of the faculty Mrs. Jomol Jose, Assistant Professor in Natural Science adopting scientific methodologies.

#### □ Public Awareness Campaign

Leaflets creating awareness on air pollution were prepared and distributed in the locality.

#### World Environment Day Observance -2020

World environment day is celebrated on 5<sup>th</sup> June every year, and is the united nations principal vehicle for encouraging awareness and action for the protection of the environment. The environment that we live in is very important not only for our health but for our survival, so there is a huge need for us to protect it. We would not be able to survive if we not have clean air & water and land to live on. The theme for worl environment day 2020 is "Time for Nature" with a focus on its role in providing the essential infrastructure that supports life on earth and human development.

On 5<sup>th</sup> June 2020 world environment day, P KM College of Education had conducted various activities to transact the theme " Time for Nature" among our students.

#### 1. PK M – TREE CHALLENGE

Conducted a competition of planting saplings at home. many students were participated enthusiastically in the competition and sent their photographs of planting saplings at their homes. This programme conveyed the message conservation of nature among the students.

#### 2. ARTICLE COMPETITION

Conducted an article competition on the topic "role of environment in providing materials required for the sustainable development of different organisms and human beings" in an A4 sheet. This activity stressed and conveyed to the importance of our environment in providing sustainable development. Many students were participated and sent their small articles in different names such as nature and human being, karuthalode , Kaikorkkam Pachappinayi, thulanam, Prakrithi Padanam, Eniyum Ethranal, Jeevadayini etc. in these articles students were stressed the significance of our environment and it role in sustainable development, importance of ecosystem, existing environmental issues, need of conservation of environment, over exploitation of our resources etc.

#### 3. INNOVATIVE AWARENESS ACTIVITY

We had conducted a competition on the organization and execution of an innovative activity for nearby school students to convey the importance of biodiversity to them. Many students were participated and sent their videos of this activity.

#### 4. ONLINE ENVIRONMENT QUIZ

An online quiz was organized by P K M College of education for the B.Ed students. The quiz was conducted by giving a web link for 20 minutes on June 5<sup>th</sup>. The quiz was contained 15 its conservation. Many students were participated in the online quiz and Jain James, Anuhrudya O, Anitha P & Haritha P C are the winners of the competition. So, P K M college of Education conducted different unique activites and competitions on the observance of world environment day 2020 during Covid 19 pandemic situation.



# പരിസ്ഥിതി ദിനാചരണം

പയ്യാവൂർ: പികെഎം കോളജ് ഓ ഫ് എഡ്യുക്കേഷനിൽ പരിസ്ഥി ത്രിദിനാചരണം നടത്തി. ദിനാച രണത്തോടനുബന്ധിച്ച് പരി സ്ഥിതിയുടെയും പരിസ്ഥിതിയി ലെ വിവിധ വിഭവങ്ങളുടെയും പ്രാധാന്യം, അവയെ സംരക്ഷി ക്കേണ്ടതിന്റെ ആവശ്യകത എ ന്നിവ വെളിവാക്കുന്ന പികെഎം ട്രീ ചലഞ്ച്, ആർട്ടിക്കിൾ മത്സ രം, ഇന്നവേറ്റീവ് അവയർനെസ് ആക്ടിവിറ്റി മത്സരം, ഓൺ ലൈൻ പരിസ്ഥിതി ക്വിസ് തുട ങ്ങിയവ സംഘടിപ്പിച്ചു.

# പരിസ്ഥിതി ദിനാചരണം നടത്തി

പയ്യാവൂർ:പി കെ എം കോളേജ് ഓഫ് എഡ്യൂക്കേഷനിൽ പരിസ്ഥിതി ദിനാചരണത്തോടനുബന്ധിച്ച് പരിസ്ഥിതിയുടെയും പരിസ്ഥിതിയി ലെ വിവിധ വി വങ്ങളുടെയും പ്രാധാന്യം അവയെ സംരക്ഷിക്കേ ണ്ടതിന്റെ ആവശ്യകത എന്നിവ വെളിവാക്കുന്ന പി കെ എം ട്രീ ചലഞ്ച്, ആർട്ടി ക്കിൾ കോമ്പറ്റീഷൻ, ഇന്നോവേറ്റിവ് അവയർ നെസ് ആക്ടിവിറ്റി കോമ്പറ്റീഷൻ, ഓൺലൈൻ പരിസ്ഥിതി കിസ് തുടങ്ങിയ മത്സരങ്ങൾ വിദ്യാർത്ഥികൾക്കായി സംഘടിപ്പിച്ചു.

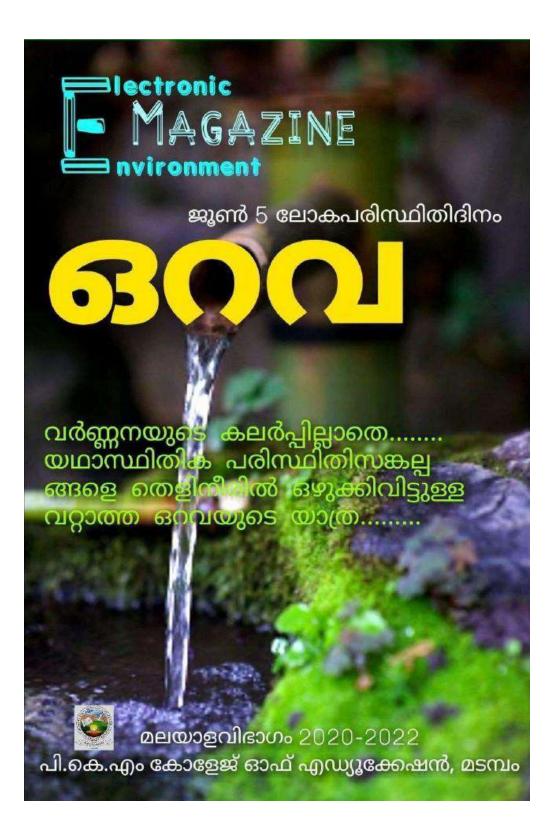
#### World Environment Day Celebration 2021

PKM College of Education, Madampam organized World Environment Day celebration on 5<sup>th</sup> June 2021 at 03:00pm through the virtual platform Zoom. The World Environment day is observed for encouraging worldwide awareness and action to protect our environment. The theme for the year 2021 is Ecosystem Restoration.

The celebration commenced sharply at 3:00pm with the college prayer invoking the blessings of almighty. It was followed by the Welcome Address delivered by Mrs Jomol Jose, the Assistant Professor in Natural Science. The Presidential Address highlighting the theme Ecosystem Restoration and about the relevance of protecting our environment was addressed by Dr. Jessy N.C, the Principal of PKM College. The Inaugural address by Mr. Bittu John, Founder of 7to9 Green Store followed hereafter. He inspired the audience with his elegant speech by elaborating on his experiences and story behind his success in establishing the concept of Green Store. He also emphasized on the importance of ecosystem and about the harmful impact of plastics to the people as well as to the environment. An Interactive session with the chief guest was arranged. The session was very interesting and informative for both the students and faculty. The student teachers raised their queries and made the session lively. Faculties Mrs Jomol Jose, Dr. Sholy Joseph and Dr. Rekha KR also participated actively during the interaction period.

The next session witnessed the release of works prepared by student teachers. Ms. Anusree K C from the Department of Language Education- Malayalam gave a presentation on Environment E- Magazine titled Orava. Thereafter E- Magazine was released by Mr. Bittu John. This was followed by an introduction to the Collection of One line stories titled Abloom by Ms. Litty Sunder from the Department of Language Education- English. Our beloved Principal Dr. Jessy NC did the release of the Collection and appreciated the efforts of the students behind these works. Afterwards the most interesting part of the event was the Video Presentation based on the theme of Ecosystem Restoration named Pazhamayilekoru Thirinjunottam prepared by the students of the Department of Natural Science. School students were given an opportunity to work close with the nature and their happiness were depicted through the video. The event marked its conclusion with the Vote of Thanks delivered by Dr. Rekha KR.





#### **Ozone Day 2021**

PKM College of Education Madampam in association with Kerala Sastra Sahitya Parishad organized Ozone Day Celebration \* Servo 2K21 \*. The event was jointly organized by the Department of Physical Sciences and the bhumithra sena Club on September 20 at 2 pm on the Zoom Platform. College Principal Dr. Jessy NC Presided over the ceremony. Former District Secretary of Shastra Sahitya Parishad Shri TV Narayanan inaugurated the program. He also co-authored a magazine, Hyatt, which featured writings by PKM College students. Dr. Prashant Mathew, Vice-Principal, Head, Department of Physical Sciences, College, and Jomol Jose, Head, Department of Natural Sciences, Head, Department of Natural Sciences, addressed the gathering. Student Coordinator Delna TS welcomed the audience to the event, which began with a display of videos prepared by physical science students. Bhoomithrasena's Executive Member Athira Anand thanked the gathering.



#### Webinar on 'Time for Nature'

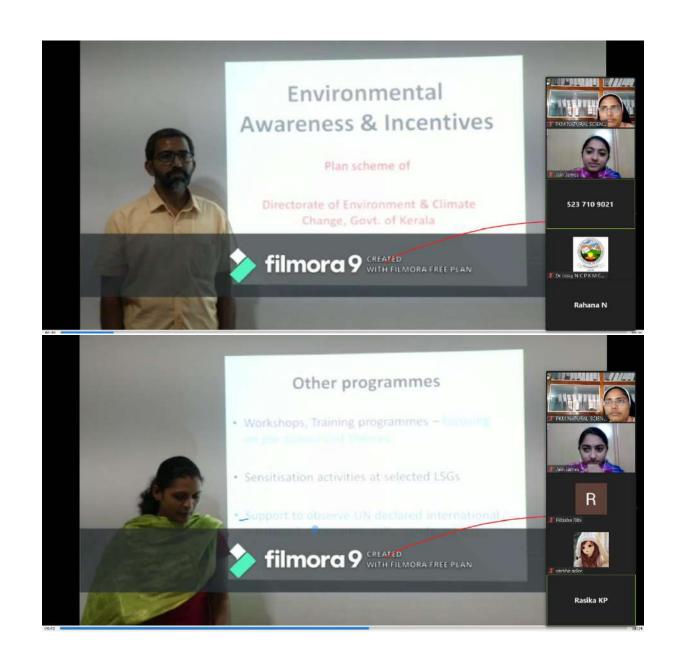
Based on the theme Time for Nature, PKM College of Education IQAC and Natural Science Department Bhumitra Sena organized a webinar in collaboration with Society for Environment Mental Education in Kerala.

College Principal Dr. In the meeting presided over by Jesse NC, Dr. Dr. who is the Environment Program Manager at Directorate of Environment & Climate change department, Thiruvananthapuram. John C. Mathew performed the inauguration. Kannur University Environmental Studies Department Head Dr. Manoj K led the class. Staff Coordinator Jomol Jose and Student Coordinators Bensi Scaria and Jane James spoke.



Link for Registration : https:// forms.gle/wRfcJGWwCHre 5 FHu 5

🕥 🤣 🚳 Recording 💵 🗖	l			Speaker View
Jain James	PKM NATURAL S.	N Bisna N	Haritha P C	Aparna A C
Ø PKM NATURAL S	SANOGJA P P	Ask to Unnute 🤐 Fathima shiru X	anuhridya anu	J 12 John Mathew
1/2 Anitha P	Dr Jessy N.C. P.K.M.C.	Salabha B	Amrutha K	R 1/2
Keerthana	8 Bency scaria	Vishnu Das	a X Alan maria John	Amitha K
Anju A	Megana	Anju Varghese	Galaxy J7 Pro	M Merlin george
🎉 n 📑 n Unmute Stop Video	Security Participa		Pause/Stop Recording Reacti	End
⑦ ♥ ● Recording ■ ■ Speaker View []				
Anju Varghese	Galaxy J7 Pro	Merlin george	Y YAMUNA M M	Christeena Sabu
Sweetymol Shaji	X Anjali Varghese	Ashish	Drisya N	Abin Jose
2/2 AMBILI JOSEPH	Dr Sholy Joseph K	varsha adky	Arsha M	manoj
DIVYA KRISHNA	В Ж ВЫЛАКК	Aysha Rubeen	Ribisha Ribi	Dr.Veena
Ambili K E	Swathi C V	Rahana N	Sneha Mohan K	Athira C K
y n n n n n n n n n n n n n n n n n n n	Security Participa		A Bause/Stop Becording Beach	End



# World Habitat Day Observance 5<sup>th</sup> October, 2020 <u>Paper Presentation: HOUSING FOR ALL: A BETTER URBAN FUTURE.</u>

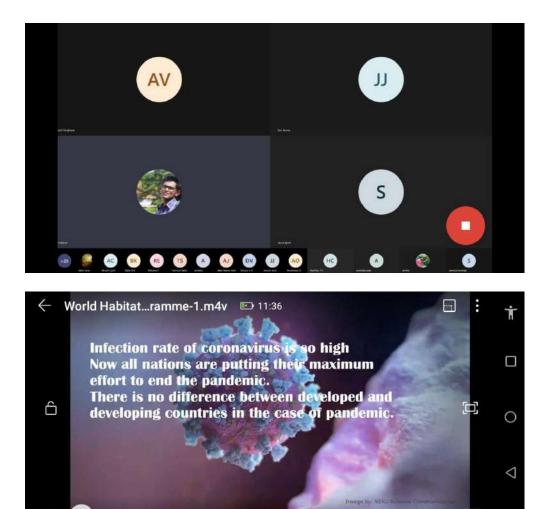
#### **OBJECTIVES**

- To develop Naturalistic intelligence among students.
- To develop scientific temper, sensitivity and creativity.
- To develop observation skills and research attitude
- To develop natural consciousness

On 5 th October 2020 as a part of the celebration of World Habitat Day in association with Social Entrepreneurship, Swachhata & Rural Engagement Cell, Department of Natural science and Bhoomithrasena club of PKM College of Education MADAMPAM has organised a theme paper presentation on the topic " Housing for all : a better urban future" on the microsoft teams platform. The program began at 2 pm. Ms Jain James was anchored the program. The program started with a prayer by Ms. Sweetymol Shaji. The welcome speech was delivered by Ms. Haritha P C. The presidential address was delivered by Dr. Sr. Jessy N C, Principal of PKM College of education Madampam. Through her presidential address, she explained the significance of celebrating such days. She also spoke about the importance of habitat protection. The felicitation to the program was delivered by Mrs. Jomol Jose, Assistant professor Department of Natural Science, and the program coordinator.



Later the paper presentation session was started. The first presentation was done by Ms. Anjali Varghese, department of mathematics on the topic "Housing for all for a better urban future". Through her presentation, she elaborately explained the importance of protecting the habitat. Also explained why we need a sustainable development. The presentation ended with discussion about the topic. The second presentation was done by Mr. Jomal Jose, department of English on the topic "Habitat loss driving up human – elephant conflict in Kerala. He explained the topic habitat destruction in the context of problems in Kerala. He explained the topic with the numbers of destructed habitats of elephants in Kerala. The reasons of habitat destructions were presented and the ways to protect the habitat also explained by him. The presentation ended with discussion.

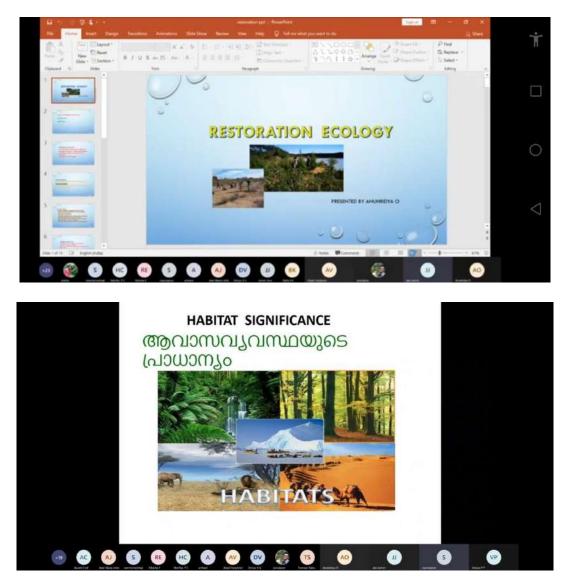


1.0X

0213:14

K

The third presentation topic was "Restoration ecology "which is taken by Ms. Anuhridya O, department of natural science. In her presentation she elaborately explained how to restore an ecosystem or habitat. The elaborated and informative session ended with a discussion. Ms. Sayona Jose, department of Malayalam done by the fourth presentation on the topic "habitat significance". It was a very informative session in which she explained in detail about what is habitat, what is the significance of habitat, the purpose of protecting the habitat. The presentation winded up with a discussion on the topic.



Fr. Abin Jose, department of Physical science done the fifth and last presentation on the topic "habitat changes in the context of Covid 19". The destruction of habitat resulted in loss of habitats of infectious agents, like viruses, bacteria etc. Thus they started to infect humans. He explained that if the natural balance of ecosystem got disturbed, it will leads to infectious diseases. He concluded that, during this pandemic condition we need to think about protecting the habitats. The presentation concluded with discussion.

#### **IDENTIFY HABITAT – COMPETITION**

As part of the day observance we conducted identify habitat competition for the B.Ed. students. In this competition given instructions to identify the habitat of one animal or plant and observe, find out the characteristics and peculiarities of its habitat. Send the findings of the habitat with photo. This competition was conducted to inculcate observation skills and research attitude, natural consciousness etc. Many students were participated in the programme and the first place was won by Anuhridya O. (Natural Science).

#### 1. PHOTOGRAPHY COMPETITION

Conducted a photography competition on the theme Natural Habitat- My Home, for the B.Ed. students. This competition held to promote natural consciousness and to appreciate and value biodiversity and the nature. Many students were participated in the competition and first place was won by Abin Jose (Physical Science).



The World Habitat day programme was a very successful one. The theme was Housing for all for a better urban life. 5 students were presented theme papers on relevant topics and this made a great impact among the student teachers. The paper presentations were highly informative and covered different significant areas in Habitat. Also the identify habitat competition helped to improve observation skills and research attitude among the B.Ed. students. Many students were enthusiastically participated in photography completion and which helped to improve natural consciousness.



P. K. M. COLLEGE OF EDUCATION MADAMPAM KANNUR



Accredited by NAAC with 'A' Grade (Second Cycle -4 Point Scale) RUSA 2.0 Beneficiary, UGC 2(f) 12 (B)

## SOCIAL ENTREPRENEURSHIP, SWACHHTA & RURAL ENGAGEMENT CELL (MGNCRE)

**OBSERVANCE OF WORLD HABITAT DAY** 

5<sup>th</sup> October 2020

# "Housing for all : A better Urban Future"

## **THEME PAPER PRESENTATIONS -**

## Via Microsoft Teams (2 pm)

## **COMPETITIONS :**

Idantity Habitat - നിങ്ങളുടെ വീടിന്റെ പരിസരത്തുള്ള ഒരു ജീവി അല്ലെങ്കിൽ സസ്യത്തിന്റെ Habitat (ആവാസം) നിരീക്ഷിച്ച് കണ്ടെത്തലുകൾ കൃത്യമായി രേഖപ്പെടുത്തി ഫോട്ടോ സഹിതം അയച്ചുതരിക തിരഞ്ഞെടുക്കുന്നവയ്ക്ക് സർട്ടിഫിക്കറ്റ് നൽകുന്നതാണ്.

# Photography Competition -

# Theme- Natural Habitat - My Home

Nb : മത്സരങ്ങളിൽ പങ്കെടുക്കുന്നവർ 06 - 10 - 2020 5 മണിക്ക് മുൻപായി ആവാസം - കണ്ടെത്തലുകൾ, ഫോട്ടോസ് എന്നിവ അയക്കേണ്ടതാണ്



Organised by, Dept. Of Natural Science & Bhoomithrasena Staff Co ordinator Mrs. Jomol Jose, Student Co ordinators Drisya. V. V., Haritha P. C, Vinaya P. P.

#### WWF(World Wild Life) ECHO(Environment Conservation heroes Programme) CAMPAIGN(Association with DoECC) - 15 <sup>th</sup> &16 <sup>th</sup> October 2020

10 am-3 pm via zoom

#### List of students participated

Ms. Yamuna M.M., Ms. Anjusha Kurian, Ms. Sweetymol Shaji, Ms. Bijila K.K.

#### DAY 1-15/10/2020 Thursday

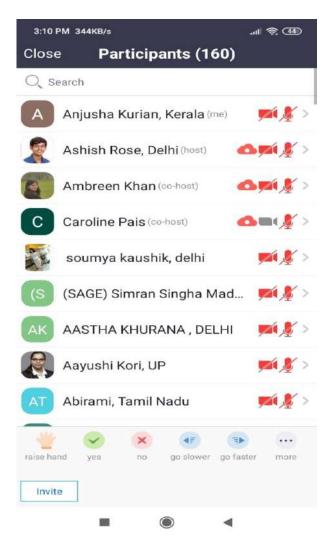
National programme of Echo 2020-21 was held on 15th&16th of October 2020. Almost 327 participants from different States were participated in this programme. First session was an icebreaking session consists of drawing a cartoon of oneself, hobbies and the thing we were inspired from the nature. Participants enjoyed the session very well. Some of the work of patcipants were posted in the facebook page as well as the instagram page of WWF. Then Radhika Suri, the director of environment education dealt with the topic Echo journey: inspection to action.



The first session started about 11 am which understood the sustainable development goals. Mr.Vishaish Uppal, director, governance, law and policy, WWF India dealt with the session. Then a quiz was conducted based on this session by Mr. Asish Rose. The winner of the game was decided based on number of correct answers and the speed of answering. The second session was about food from the lens of sustainability was dealt by Mari Koistinen. Then 2 questions were given for the participants and they gave the response using Google forms according to the state they included. The questions were,

- What is the major concern relating to food consumption in your state?
- What kinds of action can prevent food wastage in your state at individual, community level.

After the discussion some groups presented what they discussed in their groups. After the lunch break the meeting started at 2pm.



Mr. Michel Alexander dealt with the session 3.He showed different campaigns. After that participants were divided into different groups according to the states and suggested some ideas for digital campaign. After that they presented their ideas such as Webinars, awareness class using whatsapp, Facebook, you tube etc. A work was given for the participants as homework.

This workshop ensured active participation of the participants via discussion, games, quiz etc. All the resource persons included interesting videos and attractive powerpoints for making the sessions more fruitful.

#### Day 2-(16/10/2020) - Report

The second day of the Echo- Building Environment Conservation Heroes programme 20-21(Change the way we consume food) Started at sharp 10:00 on Zoom Platform. Recap of the first day and the agenda of day-2 were presented by Ambreen Khan of WWF, India. Ashish Rose, WWF India conducted a poll related to the homework given previous day. It contained 4 questions and the participants had to choose the options as quickly as possible. Analysis on the basis of the answers was also there. The beautiful song by Sumit Pillai, one of the participants energized all.

Caroline Pias of WWF, India lead the discussion on the homework provided in the previous class.

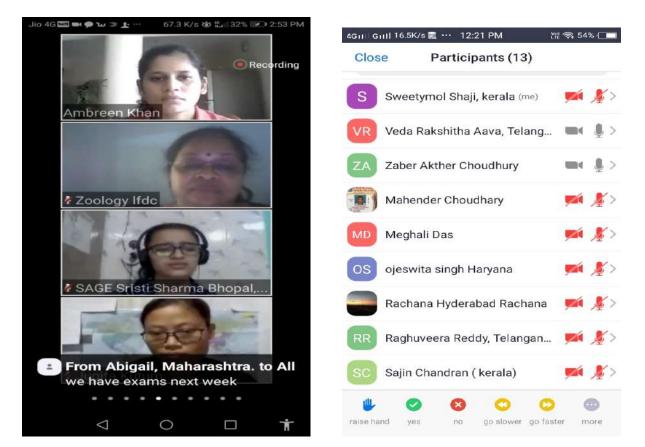
The first session of the second day was handled by Neha Raghav, Senior Manager, Environmental Education on Design Thinking. She talked about what is design thinking and how to solve complex in a user-centric way. She also explained the steps to design thinking. There was an effective interactive session also. After the effective and interesting session by Neha Raghav, Ambreen Khan explained the structure, design and the requirements of Echo 2021. Participants got a clear cut idea on the project they are going to deal with. A group work in breakout room was conducted on project development. The whole members are divided into 17 groups and they had to discuss on groups the different problems faced by the society in terms of food consumption. After discussing 45 minutes on groups the team lead of each group submitted their sample project they are prepared.

The program restarted at 1:55 pm after the lunch break. On the lunch time the program coordinators reviewed the sample projects of each group and after the lunch break they gave feedbacks and suggestions on projects.

Ambreen Khan of WWF, India talked about the next steps and the timeline for the Echo-2021. Participants got opportunity to clarify their doubts.

The participants are provided a feedback form and the program ended at 3:00pm with the beautiful song 'We are the world'.

It was an outstanding program which influence and inspire peers to take leadership role in bridging the gap between environmental awareness and action. Echo forum equipped the participants with knowledge and enhanced the skills to build the projects for Echo 2021.



#### **World Environment Day**

#### Date: 06-06-2022

#### Planning

Bhoomitrasena club and Department of Natural Science decided to observe World Environment day on 6<sup>th</sup> June 2022. Seed identification and leaf identification competition were planned to conduct on this day. An awareness talk on various medicinal plants by natural science optional students was planned to conduct. Different types of leaves and seeds were

collected from surroundings for competition. Various medicinal plants were collected for awareness talk. Njaval (*Syzygiumcumini*) seedling was collected to plant in campus. Badge for the programme was made using Aalila (*Ficus religiosa*).

#### Execution

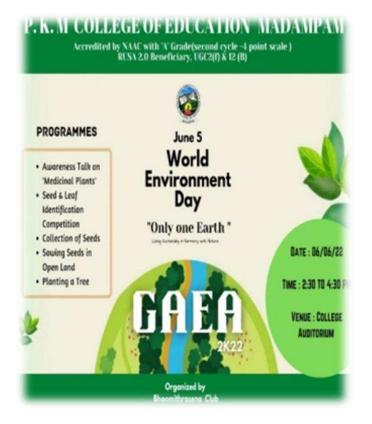
The world environment day - GAEA 2k22 was celebrated on 06-06-2022 at 2.30 pm on college Auditorium. GAEA means Goddess of earth. The department of natural science and Bhoomitrasena club cordially observed this day with planting tree, various competitions and awareness talk.

Bhoomitrasena club convenor Ann Kurian delivered welcome speech. The world environment day GAEA 2k22 was inaugurated by college vice principal Dr. Prasanth Mathew by receiving plant(*Syzygiumcumini*) from Bhoomitrasena club convenor and natural science student. The main theme "only one earth" was reflecting on both inaugural address as well as welcome speech. An awareness talk on various medicinal plants and their uses by student teachers of natural science optional was a main event. The plants were shown during talk.

seed identification and leaf identification competitionwere conducted for student teachers. 2 student teachers from each optional participated in each competition. All student teachers were given a chance to guess the seed aswellas leaves. Student teacher Akshaya A V delivered vote of thanks. The seedling was planted on college campus by Bhoomitrasena club convenor in the presence of everyone. The seeds collected were sown into open land by natural science optional student teachers.

#### Valuation

Natural science Optional teacher Ms.Vismaya appreciated all natural science optional science students aswellas bhoomitrasena club members for observing day nicely.













#### **Energy Conservation Seminar**

#### **Objective**

- To create an awareness on 'energy conservation' among people
- To develop skills of student teachers through organizing outreach programmes

#### Programme

'Urjakiran' is a programme organized in collaboration with Energy Management Centre (EMC) -Government of Kerala and Centre for Environment and Development – Government of India. As part of Urjakiran programme, P.K.M College of Education conducted a Seminar on the topic 'Lifestyle and Energy Efficiency' on 8<sup>th</sup> January 2023 at Parish Hall, St.Alphonsa Church, Mundannur. The programme was inaugurated by Adv.Sajeev Joseph, M.L.A of Irikkur Constituency.Dr.Jessy N.C, Principal of PKM College of Education, delivered the presidential address. Fr. Amal Tomy, Mr. Biju Arakkal, Dr.PrasanthMathe(Vice Principal, PKM College of Education), Ms.Anjana Chandran (Student Coordinator Of the Programme) were present at the event. Classes on the topic were taken by E.M.C Resource persons

Ms. Ann Kurian, Ms. Arya K I and Mr. Anand Ravi. Around 85 people participated in the programme. Distribution of LED Bulbs were also a part of the programme. Programme ended at 6.30 pm.



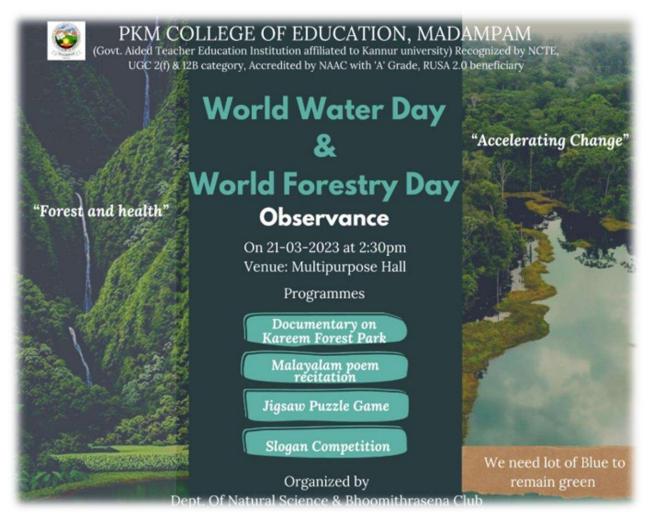
ക്ലാസ്സിൽ പങ്കെടുക്കുന്നവർ ഇലക്ടിസിറ്റി കൺസ്യൂമർ നമ്പർ കൊണ്ട് വരേണ്ടതാണ്





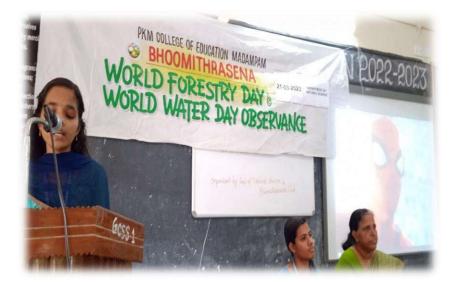


### World Water day & World Forestry Day Observance



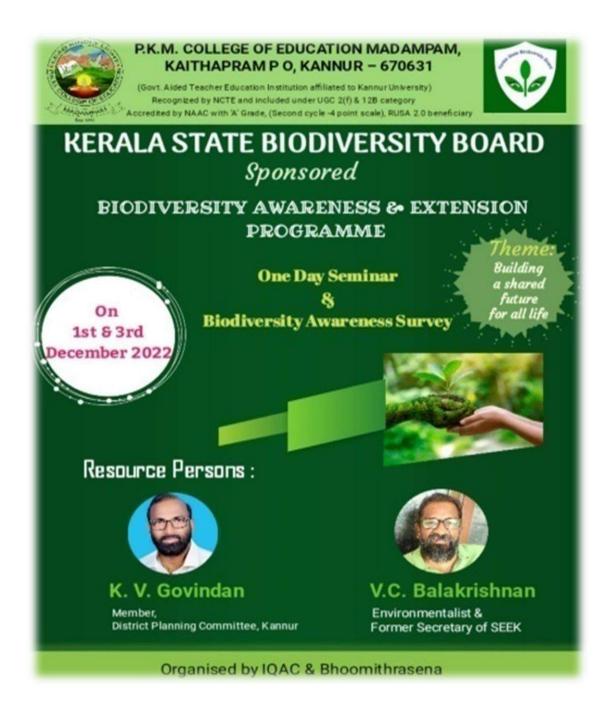
Dept. of Natural science and Bhoomithrasena club of PKM college of education, Madampam jointly organised World water Day and World Forest Day observance on Tuesday, 21<sup>st</sup> March 2023. The programme began at 3.30 pm in the Multipurpose hall. Ms.Jobina Jose, student coordinator of

Bhoomithrasena club welcomed the programme. Principal Dr.Jessy N C delivered the presidential address. Ms.Aiswarya P V, convenor of Bhoomithrasena club, has given the introductory talk on Documentary. The Documentary was on Kerala's largest man made forest, Kareem forest which is situated in Kasargod district. The documentary bears more relevance on the occasion of world forest day. Ms Athira T C of second year Natural science recited a poem on Nature written by her. Followed by this, a Jigsaw puzzle competition and a Slogan writing competition were held. Mr.Hariprasad N and Sreelakshmi V P of First year Natural science provided the instructions. In the puzzle competition, Dept. of Mathematics won first prize, Malayalam department won second and Dept. of Social science won the third prize. Ms.Blessy Joy, student coordinator of Natural science department delivered the vote of thanks. The programme ended at 4.15 pm.





#### BIODIVERSITY AWARENESS & EXTENSION PROGRAMME : 01-12-2022



On Thursday, December 1 2022, P.K.M. College of Education Madampam conducted a oneday seminar under the sponsorship of the Kerala State Biodiversity Board. 'Building a Shared Future for All Time' served as the theme for the seminar. This is the first initiative in Kerala that the Kerala State Biodiversity Board has led and such a conference is desperately needed in this time where earth, plants, and animals are being destroyed. Ms.Sreethu, first-year student teacher begins the ceremony with a prayer song and was officiated by college vice-principal Dr.Prasanth Mathew. The welcome speech was delivered by Mrs.Jomol Jose, co-ordinator of the seminar. K V Govindan, a member of the Kerala State Biodiversity Board, opened the gathering and spoke. Aishwarya P V, co-ordinator of Bhoomithrasena club, gave a vote of gratitude at the conclusion of the meeting.

Around 11:30 a.m., the first technical session of the programme began. It was led by K V Govindan, a member of the Kerala State Biodiversity Board. The topic of the session was "Biodiversity and Life Security." An interactive session was held after the talk of the resource person. Ms.Jobina Jose proposed the vote of thanks and the programme came to an end by 1 pm.

The second session started at 2:00 P M. V C Balakrishnan, a former SEEK organisation secretary and environmental activist was the resource person. "Biodiversity Conservation at Local Level" was the topic. Ms. LinetTreesa Mathew, a student teacher of natural science department, introduced the resource person. The programme ended at 4:00 p.m. with a vote of thanks by Mr. Akhil C K, a student teacher of Malayalam optional.







#### URJA KIRAN: RALLY AND SIGNATURE CAMPAIGNS :15-12-2022



UrjaKiran 2022 – 23, Energy conservation rally and signature campaign of P K M College of Education was held on 15thDecember 2022. It was a programme jointly organised by energy managementcenter, Kerala and P K M College of Education at B C M Club and library, Madampam. It was flagged off by shri Dominic P L – president of B C M Club, Madampam. Student teachers conducted a rally from regulator cum bridge Madampam town at 3 P M with their slogans and pluck cards up. The official program started at 3 .15 P M at Madampam town in the presence of members of B C M Club, student teachers and the general public. Dr. Fr. Sinoj Joseph, Assistant Professor of Physical Education welcomed the gathering with his

profound words about energy conservation and its necessity. The programme was presided over by Sr. Dr.Jessy N C – Principal, P K M College of Education. She reminded the gathering about the crisis we are in it's the question of energy conservation is not answered properly the future generation will have its impacts. The signature campaign was inaugurated by Srimati. MeenaSaji, Councillor of Sreekandapuram Municipality.

She reflected upon various methods we have to adopt in our daily life to preserve and conserve energy resources. She added about the need of change that should be practised in each home. Mr Anand Ravi, resource person of EMC as well as second year B Ed student handled a detailed session on energy conservation and its relevance. The information shared was thought provoking since the statistics of energy usage by Keralites was shocking. In order to overcome this crisis, the alternative systems should be developed at the earliest. And he gave a framework of different government policies and it's benefits to the audience. ShriBinoy, Headmaster of Madampam Maryland High school and Shri Dominic gave their felicitation address. The pledge was provided by AnushaV UrjaKiran Coordinator. Dr.Prasanth Mathew, coordinator – UrjaKiran project proposed the vote of thanks. The students, members of B C M club and the general public marked their initial step for energy conservation through a signature as part of the campaign. The student teachers of P K M circulated a pamphlet detailing the scientific methods for energy conservation.







 < < < <

4 4 4

• • •